20467
Occidental Petroleum_Rockies
Glade East - OH
Colorado
Weld
580

End Of Well Report - 07/08/2025

Innovative Drilling Solutions
Data-Driven Decision

SCOUT DRILLING TECHNOLOGIES

Well Name:	**Glade East**
API Number:	**512352916**
County:	**Weld County, CO**
Scout Job Number:	**20467**

Scout Drilling Technologies
1125 Beach Airport Road, Conroe, Texas 77301
Office: 936-756-3210
www.scoutdrilltech.com

Well Summary

Glade East - OH - Well Summary

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job# / AFE	/024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Rig	580	**Well**	Glade East
County	Weld	**State**	Colorado
Latitude	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Start Date	04/06/2025	**Start Depth(Usft)**	108.00
End Date	07/02/2025	**End Depth(Usft)**	17434.00
Total Days	41	**Total Drilled (Usft)**	17316.00
Cost per day		**Cost per (Usft)**	
Curve Lndg MD / TVD		**Formation**	Basement
Curve Planned DLS	3.27	**Lateral Dip**	4.50

BHA Summary

BHA #	Bit #	Hole Size (in)	Start (Usft)	End (Usft)	Drilled (Usft)	Avg ROP (Usft/hr)	Slide %	Drlg Hrs	Circ Hrs	BRT Hrs	Failed
1	2	17.500	108.00	1276.00	1168.00	365.00	0.00	3.20	2.88	16.25	
2	2	17.500	1276.00	2189.00	913.00	177.86	0.00	5.13	3.67	15.50	
3	3	12.250	2189.00	8026.00	5837.00	206.99	0.00	28.20	3.23	52.00	
4	4	12.250	8026.00	8141.00	115.00	38.98	0.00	2.95	1.23	16.75	
5	5	12.250	8141.00	8551.00	410.00	22.76	7.07	18.02	0.45	30.25	
6	6	12.250	8551.00	9447.00	896.00	32.76	1.79	27.35	0.77	40.25	
7	7	12.250	9447.00	9805.00	358.00	19.55	24.30	18.32	0.93	39.75	
8	8	12.250	9805.00	10179.00	374.00	28.84	4.28	12.97	1.43	28.50	
9	9	12.250	10179.00	10352.00	173.00	35.43	0.00	4.88	1.10	19.50	
10	10	12.250	10352.00	10930.00	578.00	38.19	0.00	15.13	1.05	29.25	
11	11	12.250	10930.00	11150.00	220.00	39.76	0.00	5.53	7.58	31.50	
12	14	8.500	11150.00	11150.00	0.00	0.00	0.00	0.00	1.00	25.50	
13	13	8.500	11160.00	11527.00	367.00	127.28	0.00	2.88	5.22	26.75	
14	13	8.500	11527.00	13284.00	1757.00	99.92	5.81	17.58	4.23	37.50	
15	15	8.500	13284.00	14419.00	1135.00	113.12	7.67	10.03	5.72	35.50	
16	16	8.500	14419.00	16074.00	1655.00	75.51	18.31	21.92	7.48	53.10	
17	17	8.500	16074.00	17314.00	1240.00	79.83	5.89	15.53	21.43	65.25	
18	18	8.500	17314.00	17434.00	120.00	141.18	0.00	0.85	23.42	47.00	
19		8.500	17434.00	17434.00	0.00	0.00	0.00	0.00	8.83	47.00	
20	20	8.500	17434.00	17434.00	0.00	0.00	0.00	5.00	6.02	27.75	

Bit Run Record

Bit #	Make	Model	Size (in)	Grade In	Grade Out	TFA	Drilled	Drlg Hrs	ROP
2	Reed Hycalog	TK69	17.500	New	1-1-NO-A-X-I-NR-DTF	0.902	1168.00	3.20	365.00
2	Reed Hycalog	TK66	17.500	New	1-1-WT-A-X-I-NO-TD	0.906	913.00	5.13	177.86
3	Ulterra	U616S	12.250	New	2-4-CT-A-X-I-PR	1.167	5837.00	28.20	206.99
4	Reed Hycalog	TKF76-T10	12.250	New	3-7-FC-S-X-1/16-BT-PR	1.143	115.00	2.95	38.98
5	Baker Hughes	K6M525	12.250	New	1-1-CT-A-E-I-NO-BHA	1.301	410.00	18.02	22.76
6	Ulterra	SSS100-B5	12.250	New	1-3-CT-S-X-I-WT-PR	0.907	896.00	27.35	32.76
7	Baker Hughes	K5M636	12.250	New	1-2-CT-S-E-I-WT-PR	1.114	358.00	18.32	19.55
8	Ulterra	RPS716	12.250	New	1-8-RR-S-X-1/16-RG-PR	0.928	374.00	12.97	28.84
9	Reed Hycalog	TKF76-T10	12.250	New	2-8-NR-G-X-1/16-RG-PR	1.143	173.00	4.88	35.43
10	Ulterra	RPS716	12.250	New	2-2-WT-S-X-I-CT-PR	0.907	578.00	15.13	38.19
11	Ulterra	U813S	12.250	New	1-3-CT-A-X-I-NO-TD	0.941	220.00	5.53	39.76
14	Halliburton	QHC1R	8.500	New		0.920	0.00	0.00	0.00
13	Ulterra	SCR713	8.500	New	1-2-CT-A-X-I-NO-DTF	1.052	367.00	2.88	127.28
13	Ulterra	SCR713	8.500	New	8-8-CT-A-X-I-RO-PR	0.990	1757.00	17.58	99.92
15	Ulterra	SCR613	8.500	New	3-8-RO-N-X-I-BT-PR	1.035	1135.00	10.03	113.12
16	Smith	BTZ713	8.500	New	8-8-RO-S-X-I-CR-PR	1.032	1655.00	21.92	75.51
17	Smith	BTZ713	8.500	New	2-8-CT-A-X-I-RO-BHA	1.052	1240.00	15.53	79.83
18	Ulterra	SCR813	8.500	New	2-8-CT-S-X-I-RO-HP	1.062	120.00	0.85	141.18
			8.500			0.000	0.00	0.00	0.00
20	Ulterra	SCR813	8.500	New		1.062	0.00	5.00	0.00

Motor Summary									
BHA #	Make	Model	Lobes	Stages	OD (in)	Bend	Bit to Bend	Drilled (Usft)	ROP (Usft/hr)
1			5/6	4.0	9.660	0.00	0.00	1168.00	365.00
2			5/6	4.0	9.660	0.00	0.00	913.00	177.86
3		SSS100	7/8	4.8	9.650	0.00	0.00	5837.00	206.99
4			7/8	4.8	9.500	0.00	0.00	115.00	38.98
5	BICO	9.63 SSS100-B5	7/8	4.8	9.540	1.15	7.98	410.00	22.76
6	BICO	9.63 SSS100-B5	7/8	4.8	9.540	1.15	7.98	896.00	32.76
7	BICO		7/8	4.8	9.640	1.15	7.98	358.00	19.55
8			7/8	4.8	9.640	1.15	8.87	374.00	28.84
9			7/8	4.8	9.680	1.15	8.87	173.00	35.43
10			7/8	4.8	9.680	1.15	8.87	578.00	38.19
11			7/8	4.8	9.680	1.15	8.87	220.00	39.76
13	Scout	7885	7/8	8.5	6.940	1.00	4.30	367.00	127.28
14	Scout	7885	7/8	8.5	6.940	1.00	4.30	1757.00	99.92
15		CAM	7/8	8.5	6.940	0.50	4.80	1135.00	113.12
16	Scout	CAM	7/8	8.5	6.940	0.50	4.80	1655.00	75.51
17		Cam	7/8	8.5	6.940	1.00	5.50	1240.00	79.83
18		Cam	7/8	8.5	7.010	1.00	5.40	120.00	141.18
20		Cam	7/8	8.5	6.940	0.50	4.80	0.00	0.00

Personnel Summary						
Day DD	Night DD	Day MWD	Night MWD	Day Co Man	Night CO Man	Drilling Eng
Julian Parras	Julian Parras	Garhett Sikes	Ben Young	Brett Curtis	Brett Curtis	
Kenneth Looper	Kenneth Looper	John Hughes	Chad Mtchell	Jake Hopper	Jake Hopper	
Kolton Tobin	Kolton Tobin	Patrick Rhode	Mark Thompson	Jon Rohman	Jon Rohman	
Will Drake	Will Drake					

Phase Summary						
Phase	Days	Drilled (Usft)	Avg ROP (Usft/hr)	NPT (Rig/Dir)	# BHA's	Drlg Hrs
STBY: STANDBY	2.79					
SURFACE: SURFACE	3.63	2448.00	213.18		3	11.48
INT: INTERMEDIATE 1	32.60	14868.00	74.61	18.73 / 0.58	19	199.27
Total	39.02	17316.00	82.16	18.73 / 0.58	20	210.75

Phase Summary - Per BHA											
Phase / BHA	From (Usft)	To(Usft)	Rot ROP	Rot Dist	Slide ROP	Slide Dist	Slide %	Tot Drill	Avg ROP	Tot Hrs	Slide Hrs
SURFACE: SURFACE-17.5 Surface	108.00	1276.00	365.00	1168.00	0.00	0.00	0.00	1168.00	365.00	3.20	0.00
SURFACE: SURFACE-17.5 Surface	1276.00	2189.00	177.86	913.00	0.00	0.00	0.00	913.00	177.86	5.13	0.00
SURFACE: SURFACE-8.5 Production BHA- Halliburton	11160.00	11527.00	127.28	367.00	0.00	0.00	0.00	367.00	127.28	2.88	0.00
INT: INTERMEDIATE 1-12.25 Orbit Intermediate	2189.00	8026.00	206.99	5837.00	0.00	0.00	0.00	5837.00	206.99	28.20	0.00
INT: INTERMEDIATE 1-12.25 Orbit Intermediate #2	8026.00	8141.00	38.98	115.00	0.00	0.00	0.00	115.00	38.98	2.95	0.00
INT: INTERMEDIATE 1-12.25 Intermediate	8141.00	8551.00	22.93	381.00	20.71	29.00	7.07	410.00	22.76	18.02	1.40
INT: INTERMEDIATE 1-12.25 Intermediate	8551.00	9447.00	36.07	880.00	5.42	16.00	1.79	896.00	32.76	27.35	2.95
INT: INTERMEDIATE 1-12.25 Intermediate	9447.00	9805.00	25.85	271.00	11.11	87.00	24.30	358.00	19.55	18.32	7.83
INT: INTERMEDIATE 1-12.25 Intermediate	9805.00	10179.00	30.25	358.00	14.12	16.00	4.28	374.00	28.84	12.97	1.13
INT: INTERMEDIATE 1-12.25 Intermediate	10179.00	10352.00	35.43	173.00	0.00	0.00	0.00	173.00	35.43	4.88	0.00
INT: INTERMEDIATE 1-12.25 Intermediate	10352.00	10930.00	38.19	578.00	0.00	0.00	0.00	578.00	38.19	15.13	0.00
INT: INTERMEDIATE 1-12.25 Intermediate	10930.00	11150.00	39.76	220.00	0.00	0.00	0.00	220.00	39.76	5.53	0.00
INT: INTERMEDIATE 1-DV Drill Out	11150.00	11150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INT: INTERMEDIATE 1-8.5 Production BHA- Halliburton	11527.00	11527.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INT: INTERMEDIATE 1-8.5 Production BHA- Quantum	11527.00	13284.00	106.20	1655.00	51.00	102.00	5.81	1757.00	99.92	17.58	2.00
INT: INTERMEDIATE 1-8.5 Production BHA- Quantum	13284.00	14419.00	130.46	1048.00	43.50	87.00	7.67	1135.00	113.12	10.03	2.00
INT: INTERMEDIATE 1-8.5 Production BHA- Quantum	14419.00	16074.00	87.13	1352.00	47.34	303.00	18.31	1655.00	75.51	21.92	6.40
INT: INTERMEDIATE 1-8.5 Production BHA- Halliburton	16074.00	17314.00	84.98	1167.00	40.56	73.00	5.89	1240.00	79.83	15.53	1.80
INT: INTERMEDIATE 1-8.5 Production BHA- Halliburton	17314.00	17434.00	141.18	120.00	0.00	0.00	0.00	120.00	141.18	0.85	0.00
INT: INTERMEDIATE 1-	17434.00	17434.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INT: INTERMEDIATE 1-Oxy Rock Bit run	17434.00	17434.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INT: INTERMEDIATE 1-8.5 Production BHA- Quantum	17434.00	17434.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Innovative Drilling Solutions
Data-Driven Decision

SCOUT DRILLING TECHNOLOGIES

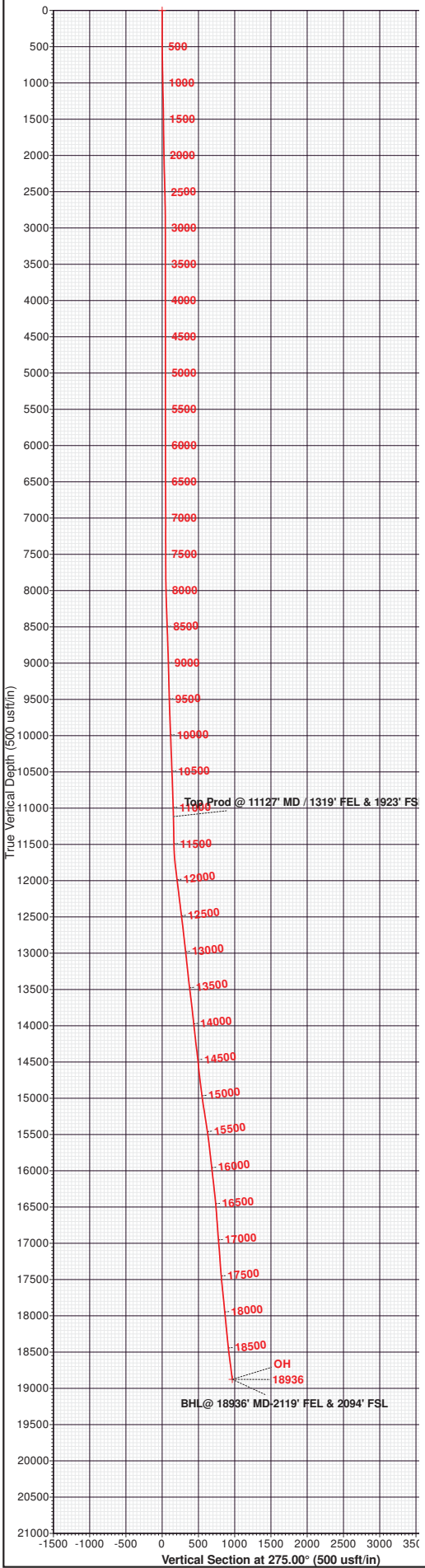
PROPOSED VS. ACTUAL PLOT

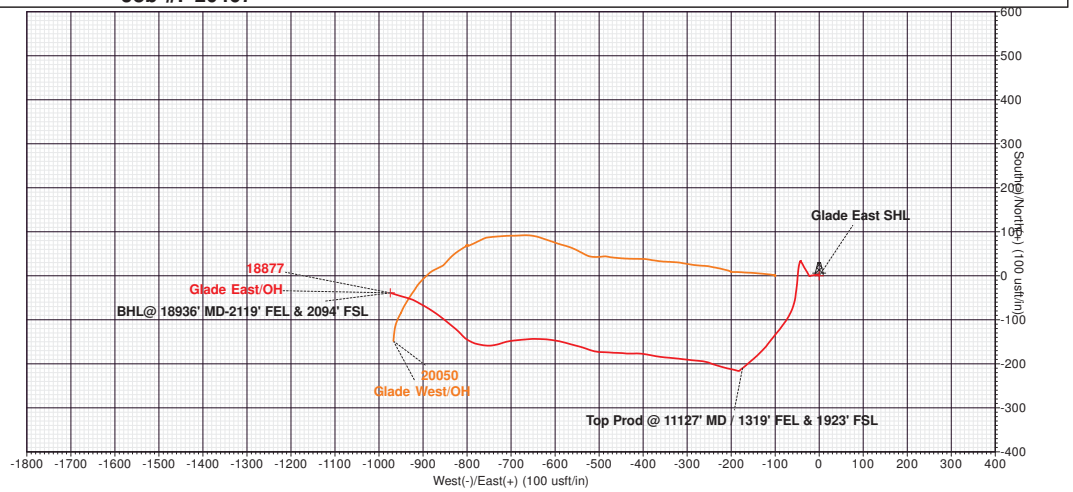
FINAL SURVEY REPORT

Scout Drilling Technologies
1125 Beach Airport Road, Conroe, Texas 77301
Office: 936-756-3210
www.scoutdrilltech.com

County: WELD-NAD83-UTMFT13N
Site: Glade 3N-66W-02 Pad
Well: Glade East
Depth Reference: 4900+28 @ 4928.00usft (Precision 580)
Rig: Precision 580
Plan: OH
Job #: 20467

SCOUT DRILLING TECHNOLOGIES





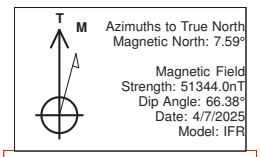
SHL: 2132.71' FSL & 1144.38' FEL - Sec 2, T3N, R66W
Top Prod: 1922.96' FSL & 1318.84' FEL - Sec 2, T3N, R66W
BHL: 2093.69' FSL & 2118.84' FEL - Sec 2, T3N, R66W

ANNOTATIONS

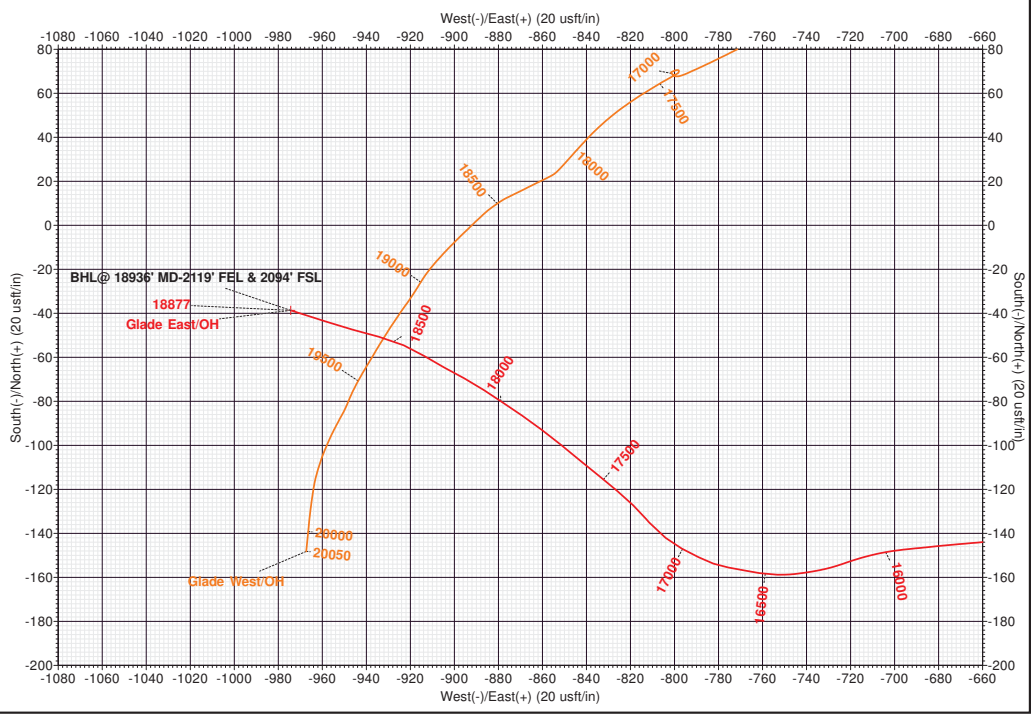
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
11127.70	1.88	232.50	11117.50	-209.77	-174.03	155.09	356.77	Top Prod @ 11127' MD / 1319' FEL & 1923' FSL
18936.00	7.36	287.64	18876.83	-38.65	-974.37	967.30	1205.38	BHL@ 18936' MD-2119' FEL & 2094' FSL

DESIGN TARGETS DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Glade East SHL	0.00	0.00	0.00	14618806.85	1713249.34	40.252551	-104.738967
Glade East BHL	18876.83	-38.65	-974.37	14618765.33	1712275.08	40.252445	-104.742459



TOTAL CORRECTION: 7.59°



Occidental Petroleum_Rockies

WELD-NAD83-UTMFT13N
Glade 3N-66W-02 Pad
Glade East

OH

Design: OH

Standard Survey Report

19 August, 2025

SDT

Survey Report

Company:	Occidental Petroleum_Rockies	**Local Co-ordinate Reference:**	Well Glade East
Project:	WELD-NAD83-UTMFT13N	**TVD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Site:	Glade 3N-66W-02 Pad	**MD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Well:	Glade East	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000 Multi User Db

Project WELD-NAD83-UTMFT13N

Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		

Site Glade 3N-66W-02 Pad

Site Position:		**Northing:**	14,618,806.85 usft	**Latitude:**	40.252551
From:	Map	**Easting:**	1,713,249.34 usft	**Longitude:**	-104.738967
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Glade East

Well Position	**+N/-S**	0.00 usft	**Northing:**	14,618,806.84 usft	**Latitude:**	40.252551
	+E/-W	0.00 usft	**Easting:**	1,713,249.34 usft	**Longitude:**	-104.738967
Position Uncertainty		3.28 usft	**Wellhead Elevation:**	usft	**Ground Level:**	4,900.00 usft
Grid Convergence:		0.17 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	4/7/2025	7.59	66.38	51,344.00000000

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	275.00

Survey Program **Date** 8/19/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
153.00	11,089.00	Survey #1 (OH)	A008Mc_MWD+IFR1+MS_R	MWD+IFR1+MSA
11,267.90	11,457.60	Survey #2 (OH)	A008Mc_MWD+IFR1+MS_R	MWD+IFR1+MSA
11,482.00	15,938.00	Survey #3 (OH)	A008Mc_MWD+IFR1+MS_R	MWD+IFR1+MSA
16,008.00	17,147.00	Survey #4 (OH)	A008Mc_MWD+IFR1+MS_R	MWD+IFR1+MSA
17,261.00	18,802.00	Survey #5 (OH)	A008Mc_MWD+IFR1+MS_R	MWD+IFR1+MSA
18,936.00	18,936.00	Survey #6 (OH)	A026Ua_BLIND	OWSG BLIND

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.00	0.56	26.27	153.00	0.67	0.33	-0.27	0.37	0.37	0.00
247.00	0.39	282.48	247.00	1.15	0.22	-0.12	0.80	-0.18	-110.41
346.00	0.26	86.98	345.99	1.24	0.12	-0.01	0.65	-0.13	166.16
441.00	0.43	316.43	440.99	1.51	0.09	0.04	0.66	0.18	-137.42

SDT

Survey Report

Company:	Occidental Petroleum_Rockies	**Local Co-ordinate Reference:**	Well Glade East
Project:	WELD-NAD83-UTMFT13N	**TVD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Site:	Glade 3N-66W-02 Pad	**MD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Well:	Glade East	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
536.00	0.35	236.66	535.99	1.60	-0.40	0.54	0.53	-0.08	-83.97
630.00	1.49	301.34	629.98	2.08	-1.69	1.86	1.47	1.21	68.81
725.00	0.92	260.86	724.96	2.60	-3.49	3.71	1.04	-0.60	-42.61
820.00	1.14	272.86	819.95	2.53	-5.19	5.39	0.32	0.23	12.63
915.00	1.04	257.89	914.93	2.40	-6.98	7.16	0.32	-0.11	-15.76
1,010.00	0.91	252.04	1,009.91	1.98	-8.54	8.68	0.17	-0.14	-6.16
1,105.00	1.15	271.02	1,104.90	1.77	-10.21	10.32	0.44	0.25	19.98
1,200.00	1.64	258.95	1,199.87	1.52	-12.50	12.58	0.60	0.52	-12.71
1,289.00	1.35	247.17	1,288.84	0.87	-14.71	14.73	0.47	-0.33	-13.24
1,379.00	0.92	293.42	1,378.82	0.75	-16.35	16.35	1.08	-0.48	51.39
1,469.00	0.83	245.98	1,468.82	0.77	-17.61	17.61	0.79	-0.10	-52.71
1,558.00	0.48	240.12	1,557.81	0.32	-18.52	18.48	0.40	-0.39	-6.58
1,648.00	0.83	255.49	1,647.80	-0.03	-19.48	19.40	0.43	0.39	17.08
1,738.00	1.35	240.86	1,737.79	-0.71	-21.04	20.90	0.65	0.58	-16.26
1,827.00	1.18	320.52	1,826.77	-0.51	-22.54	22.41	1.83	-0.19	89.51
1,917.00	1.31	334.49	1,916.75	1.13	-23.57	23.58	0.37	0.14	15.52
2,006.00	1.73	331.62	2,005.72	3.23	-24.64	24.83	0.48	0.47	-3.22
2,096.00	2.05	332.90	2,095.67	5.86	-26.02	26.44	0.36	0.36	1.42
2,260.00	2.83	326.61	2,259.52	11.85	-29.59	30.51	0.50	0.48	-3.84
2,350.00	2.70	329.77	2,349.42	15.54	-31.88	33.11	0.22	-0.14	3.51
2,440.00	2.58	330.51	2,439.32	19.13	-33.94	35.48	0.14	-0.13	0.82
2,530.00	2.32	332.37	2,529.24	22.51	-35.78	37.61	0.30	-0.29	2.07
2,619.00	2.15	333.64	2,618.17	25.60	-37.36	39.45	0.20	-0.19	1.43
2,709.00	1.82	327.91	2,708.12	28.33	-38.87	41.19	0.43	-0.37	-6.37
2,799.00	1.31	323.81	2,798.08	30.37	-40.24	42.73	0.58	-0.57	-4.56
2,888.00	0.23	354.16	2,887.07	31.37	-40.86	43.43	1.26	-1.21	34.10
2,978.00	0.09	340.18	2,977.07	31.61	-40.90	43.50	0.16	-0.16	-15.53
3,067.00	0.08	287.09	3,066.07	31.70	-40.98	43.59	0.09	-0.01	-59.65
3,157.00	0.05	184.19	3,156.07	31.68	-41.04	43.65	0.11	-0.03	-114.33
3,247.00	0.07	340.39	3,246.07	31.69	-41.07	43.67	0.13	0.02	173.56
3,336.00	0.06	354.58	3,335.07	31.79	-41.09	43.70	0.02	-0.01	15.94
3,426.00	0.07	344.99	3,425.07	31.89	-41.11	43.73	0.02	0.01	-10.66
3,516.00	0.03	11.24	3,515.07	31.96	-41.12	43.75	0.05	-0.04	29.17
3,605.00	0.16	266.65	3,604.07	31.98	-41.24	43.87	0.19	0.15	-117.52
3,695.00	0.31	322.07	3,694.07	32.16	-41.51	44.16	0.28	0.17	61.58
3,785.00	0.17	26.33	3,784.07	32.47	-41.60	44.27	0.31	-0.16	71.40
3,875.00	0.17	65.14	3,874.07	32.65	-41.42	44.11	0.13	0.00	43.12
3,965.00	0.03	228.55	3,964.07	32.69	-41.32	44.01	0.22	-0.16	181.57
4,054.00	0.08	226.12	4,053.07	32.63	-41.38	44.07	0.06	0.06	-2.73
4,144.00	0.14	300.13	4,143.07	32.64	-41.52	44.21	0.16	0.07	82.23
4,234.00	0.24	306.58	4,233.07	32.81	-41.77	44.47	0.11	0.11	7.17
4,324.00	0.28	329.02	4,323.07	33.11	-42.03	44.76	0.12	0.04	24.93
4,413.00	0.08	298.17	4,412.07	33.33	-42.20	44.94	0.24	-0.22	-34.66
4,503.00	0.04	172.49	4,502.07	33.33	-42.25	44.99	0.12	-0.04	-139.64

SDT

Survey Report

Company:	Occidental Petroleum_Rockies	**Local Co-ordinate Reference:**	Well Glade East
Project:	WELD-NAD83-UTMFT13N	**TVD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Site:	Glade 3N-66W-02 Pad	**MD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Well:	Glade East	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,593.00	0.08	277.89	4,592.07	33.30	-42.31	45.05	0.11	0.04	117.11
4,682.00	0.03	36.65	4,681.07	33.33	-42.36	45.10	0.11	-0.06	133.44
4,772.00	0.07	167.95	4,771.07	33.30	-42.33	45.07	0.10	0.04	145.89
4,862.00	0.07	311.05	4,861.07	33.28	-42.36	45.10	0.15	0.00	159.00
4,952.00	0.11	16.81	4,951.07	33.40	-42.38	45.13	0.11	0.04	73.07
5,041.00	0.05	166.18	5,040.07	33.44	-42.34	45.10	0.17	-0.07	167.83
5,131.00	0.04	252.00	5,130.07	33.39	-42.36	45.11	0.07	-0.01	95.36
5,221.00	0.07	295.19	5,220.07	33.41	-42.44	45.19	0.05	0.03	47.99
5,310.00	0.04	149.49	5,309.07	33.40	-42.48	45.23	0.12	-0.03	-163.71
5,400.00	0.03	37.51	5,399.07	33.39	-42.45	45.19	0.06	-0.01	-124.42
5,489.00	0.08	273.12	5,488.07	33.42	-42.49	45.24	0.11	0.06	-139.76
5,579.00	0.08	325.39	5,578.07	33.47	-42.59	45.35	0.08	0.00	58.08
5,669.00	0.07	187.52	5,668.07	33.47	-42.63	45.39	0.16	-0.01	-153.19
5,758.00	0.14	251.08	5,757.07	33.38	-42.74	45.49	0.14	0.08	71.42
5,848.00	0.03	139.00	5,847.07	33.33	-42.83	45.57	0.17	-0.12	-124.53
5,938.00	0.02	125.24	5,937.07	33.30	-42.80	45.54	0.01	-0.01	-15.29
6,028.00	0.09	229.05	6,027.07	33.24	-42.85	45.58	0.11	0.08	115.34
6,117.00	0.04	257.45	6,116.07	33.19	-42.93	45.66	0.07	-0.06	31.91
6,207.00	0.12	233.61	6,206.07	33.13	-43.03	45.76	0.09	0.09	-26.49
6,297.00	0.58	201.91	6,296.07	32.65	-43.28	45.96	0.54	0.51	-35.22
6,386.00	0.89	202.76	6,385.06	31.59	-43.72	46.30	0.35	0.35	0.96
6,476.00	1.11	195.59	6,475.04	30.11	-44.22	46.68	0.28	0.24	-7.97
6,566.00	1.58	194.41	6,565.02	28.07	-44.76	47.04	0.52	0.52	-1.31
6,656.00	2.48	193.67	6,654.96	24.98	-45.53	47.54	1.00	1.00	-0.82
6,745.00	3.02	190.28	6,743.86	20.80	-46.41	48.04	0.63	0.61	-3.81
6,835.00	3.29	187.96	6,833.72	15.91	-47.19	48.39	0.33	0.30	-2.58
6,925.00	3.33	185.69	6,923.57	10.75	-47.80	48.56	0.15	0.04	-2.52
7,014.00	3.52	185.70	7,012.41	5.46	-48.33	48.62	0.21	0.21	0.01
7,104.00	3.81	183.66	7,102.23	-0.28	-48.80	48.59	0.35	0.32	-2.27
7,194.00	3.99	184.46	7,192.02	-6.38	-49.23	48.49	0.21	0.20	0.89
7,283.00	4.14	184.71	7,280.80	-12.67	-49.74	48.44	0.17	0.17	0.28
7,373.00	4.38	186.77	7,370.55	-19.32	-50.41	48.53	0.32	0.27	2.29
7,463.00	4.51	186.88	7,460.28	-26.25	-51.24	48.75	0.14	0.14	0.12
7,552.00	4.62	187.64	7,549.00	-33.27	-52.13	49.03	0.14	0.12	0.85
7,642.00	4.54	187.46	7,638.71	-40.40	-53.08	49.35	0.09	-0.09	-0.20
7,732.00	4.51	187.29	7,728.43	-47.44	-53.99	49.65	0.04	-0.03	-0.19
7,822.00	4.87	191.48	7,818.13	-54.69	-55.20	50.22	0.55	0.40	4.66
7,911.00	5.49	196.62	7,906.76	-62.47	-57.17	51.50	0.87	0.70	5.78
8,001.00	5.35	197.01	7,996.36	-70.61	-59.63	53.24	0.16	-0.16	0.43
8,091.00	5.26	203.23	8,085.98	-78.42	-62.48	55.41	0.65	-0.10	6.91
8,181.00	4.83	207.41	8,175.63	-85.57	-65.85	58.14	0.63	-0.48	4.64
8,271.00	4.67	209.01	8,265.32	-92.14	-69.37	61.08	0.23	-0.18	1.78
8,361.00	4.17	211.63	8,355.05	-98.13	-72.87	64.04	0.60	-0.56	2.91

SDT

Survey Report

Company:	Occidental Petroleum_Rockies	**Local Co-ordinate Reference:**	Well Glade East
Project:	WELD-NAD83-UTMFT13N	**TVD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Site:	Glade 3N-66W-02 Pad	**MD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Well:	Glade East	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,450.00	4.00	216.54	8,443.82	-103.38	-76.41	67.11	0.44	-0.19	5.52
8,540.00	4.03	216.17	8,533.60	-108.45	-80.15	70.39	0.04	0.03	-0.41
8,630.00	3.76	215.65	8,623.40	-113.40	-83.73	73.53	0.30	-0.30	-0.58
8,719.00	3.52	215.84	8,712.22	-117.99	-87.03	76.42	0.27	-0.27	0.21
8,809.00	3.16	218.62	8,802.06	-122.17	-90.20	79.21	0.44	-0.40	3.09
8,899.00	3.17	220.63	8,891.93	-125.99	-93.37	82.03	0.12	0.01	2.23
8,988.00	3.02	218.53	8,980.80	-129.70	-96.43	84.76	0.21	-0.17	-2.36
9,078.00	2.76	218.33	9,070.68	-133.25	-99.25	87.26	0.29	-0.29	-0.22
9,168.00	2.63	219.22	9,160.58	-136.55	-101.90	89.61	0.15	-0.14	0.99
9,257.00	2.57	218.49	9,249.49	-139.69	-104.43	91.86	0.08	-0.07	-0.82
9,347.00	2.55	220.11	9,339.40	-142.80	-106.98	94.13	0.08	-0.02	1.80
9,437.00	2.57	216.29	9,429.31	-145.96	-109.46	96.33	0.19	0.02	-4.24
9,526.00	3.36	218.95	9,518.19	-149.60	-112.28	98.82	0.90	0.89	2.99
9,616.00	3.55	217.82	9,608.03	-153.85	-115.65	101.80	0.22	0.21	-1.26
9,705.00	4.09	216.71	9,696.83	-158.57	-119.24	104.96	0.61	0.61	-1.25
9,795.00	3.52	223.30	9,786.63	-163.16	-123.05	108.36	0.80	-0.63	7.32
9,885.00	3.51	223.56	9,876.46	-167.16	-126.84	111.79	0.02	-0.01	0.29
9,974.00	3.34	225.03	9,965.30	-170.97	-130.56	115.16	0.21	-0.19	1.65
10,064.00	3.43	224.49	10,055.15	-174.74	-134.30	118.56	0.11	0.10	-0.60
10,154.00	3.23	225.84	10,144.99	-178.43	-138.00	121.93	0.24	-0.22	1.50
10,244.00	3.20	226.70	10,234.85	-181.92	-141.65	125.26	0.06	-0.03	0.96
10,333.00	3.12	228.82	10,323.72	-185.22	-145.28	128.59	0.16	-0.09	2.38
10,423.00	3.10	228.34	10,413.58	-188.45	-148.94	131.95	0.04	-0.02	-0.53
10,513.00	3.04	230.14	10,503.45	-191.59	-152.59	135.31	0.13	-0.07	2.00
10,603.00	3.02	229.85	10,593.33	-194.65	-156.24	138.68	0.03	-0.02	-0.32
10,692.00	2.82	229.00	10,682.21	-197.60	-159.68	141.85	0.23	-0.22	-0.96
10,782.00	2.86	228.26	10,772.10	-200.55	-163.03	144.93	0.06	0.04	-0.82
10,872.00	2.65	228.64	10,862.00	-203.42	-166.26	147.90	0.23	-0.23	0.42
10,962.00	2.33	231.02	10,951.91	-205.94	-169.25	150.66	0.37	-0.36	2.64
11,052.00	2.16	230.74	11,041.84	-208.17	-171.98	153.19	0.19	-0.19	-0.31
11,089.00	1.92	232.53	11,078.82	-208.99	-173.02	154.14	0.67	-0.65	4.84
11,127.70	1.88	232.50	11,117.50	-209.77	-174.03	155.09	0.11	-0.11	-0.08
Top Prod @ 11127' MD / 1319' FEL & 1923' FSL									
11,267.90	1.73	232.37	11,257.63	-212.46	-177.53	158.34	0.11	-0.11	-0.09
11,362.70	1.24	220.83	11,352.40	-214.11	-179.34	159.99	0.60	-0.52	-12.17
11,457.60	1.45	234.34	11,447.27	-215.58	-180.98	161.51	0.40	0.22	14.24
11,482.00	1.06	233.10	11,471.67	-215.90	-181.42	161.91	1.60	-1.60	-5.08
11,577.00	2.44	278.40	11,566.62	-216.13	-184.12	164.58	1.95	1.45	47.68
11,672.00	4.04	289.61	11,661.47	-214.71	-189.27	169.84	1.80	1.68	11.80
11,767.00	5.82	279.83	11,756.12	-212.77	-197.17	177.88	2.07	1.87	-10.29
11,862.00	7.40	284.14	11,850.48	-210.45	-207.85	188.72	1.74	1.66	4.54
11,956.00	7.07	285.36	11,943.73	-207.44	-219.30	200.38	0.39	-0.35	1.30
12,051.00	7.05	286.80	12,038.01	-204.21	-230.52	211.84	0.19	-0.02	1.52
12,146.00	7.07	288.29	12,132.29	-200.69	-241.65	223.24	0.19	0.02	1.57

Company:	Occidental Petroleum_Rockies	**Local Co-ordinate Reference:**	Well Glade East
Project:	WELD-NAD83-UTMFT13N	**TVD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Site:	Glade 3N-66W-02 Pad	**MD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Well:	Glade East	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,241.00	6.97	291.28	12,226.58	-196.76	-252.57	234.46	0.40	-0.11	3.15
12,336.00	7.27	275.34	12,320.86	-194.11	-263.93	246.01	2.10	0.32	-16.78
12,431.00	7.14	274.65	12,415.11	-193.07	-275.80	257.92	0.16	-0.14	-0.73
12,526.00	6.85	276.13	12,509.40	-191.99	-287.32	269.49	0.36	-0.31	1.56
12,620.00	6.73	276.63	12,602.74	-190.75	-298.36	280.60	0.14	-0.13	0.53
12,715.00	6.61	276.05	12,697.10	-189.53	-309.33	291.63	0.14	-0.13	-0.61
12,810.00	6.54	277.17	12,791.47	-188.28	-320.13	302.50	0.15	-0.07	1.18
12,905.00	6.29	275.16	12,885.88	-187.14	-330.68	313.11	0.35	-0.26	-2.12
12,999.00	6.19	274.57	12,979.32	-186.27	-340.86	323.33	0.13	-0.11	-0.63
13,094.00	6.12	275.35	13,073.77	-185.39	-351.01	333.52	0.11	-0.07	0.82
13,189.00	5.98	277.54	13,168.24	-184.27	-360.96	343.52	0.28	-0.15	2.31
13,284.00	6.34	279.98	13,262.70	-182.71	-371.03	353.69	0.47	0.38	2.57
13,379.00	6.27	283.34	13,357.12	-180.60	-381.24	364.05	0.40	-0.07	3.54
13,474.00	7.14	277.86	13,451.47	-178.60	-392.14	375.08	1.14	0.92	-5.77
13,568.00	6.69	279.05	13,544.79	-176.94	-403.33	386.38	0.50	-0.48	1.27
13,663.00	7.18	267.17	13,639.10	-176.36	-414.73	397.78	1.59	0.52	-12.51
13,758.00	6.87	268.55	13,733.38	-176.80	-426.34	409.31	0.37	-0.33	1.45
13,853.00	6.06	273.70	13,827.78	-176.62	-437.02	419.97	1.05	-0.85	5.42
13,947.00	5.76	276.93	13,921.28	-175.73	-446.66	429.64	0.48	-0.32	3.44
14,042.00	6.76	269.45	14,015.72	-175.21	-456.98	439.97	1.36	1.05	-7.87
14,137.00	6.31	274.16	14,110.10	-174.88	-467.78	450.76	0.74	-0.47	4.96
14,232.00	6.13	276.24	14,204.54	-173.95	-478.03	461.05	0.30	-0.19	2.19
14,327.00	7.20	268.41	14,298.90	-173.57	-489.02	472.03	1.48	1.13	-8.24
14,421.00	6.61	275.00	14,392.22	-173.26	-500.30	483.30	1.05	-0.63	7.01
14,516.00	6.06	284.12	14,486.64	-171.56	-510.61	493.72	1.21	-0.58	9.60
14,611.00	5.93	287.67	14,581.12	-168.85	-520.15	503.45	0.41	-0.14	3.74
14,706.00	6.54	291.45	14,675.56	-165.38	-529.86	513.43	0.77	0.64	3.98
14,800.00	7.00	285.76	14,768.90	-161.87	-540.36	524.19	0.86	0.49	-6.05
14,896.00	7.39	283.60	14,864.15	-158.82	-551.99	536.04	0.49	0.41	-2.25
14,990.00	7.58	285.77	14,957.35	-155.72	-563.83	548.11	0.36	0.20	2.31
15,085.00	8.19	286.42	15,051.45	-152.10	-576.35	560.90	0.65	0.64	0.68
15,180.00	9.20	280.62	15,145.36	-148.79	-590.31	575.09	1.41	1.06	-6.11
15,275.00	8.90	279.60	15,239.17	-146.17	-605.02	589.97	0.36	-0.32	-1.07
15,370.00	8.87	274.72	15,333.04	-144.34	-619.56	604.62	0.79	-0.03	-5.14
15,464.00	8.48	271.07	15,425.96	-143.61	-633.71	618.79	0.72	-0.41	-3.88
15,559.00	8.03	270.21	15,519.98	-143.46	-647.35	632.39	0.49	-0.47	-0.91
15,654.00	6.77	264.85	15,614.18	-143.93	-659.57	644.51	1.51	-1.33	-5.64
15,749.00	6.45	265.34	15,708.55	-144.87	-670.46	655.28	0.34	-0.34	0.52
15,844.00	6.87	263.99	15,802.91	-145.90	-681.43	666.12	0.47	0.44	-1.42
15,938.00	6.37	264.48	15,896.28	-146.99	-692.21	676.77	0.54	-0.53	0.52
16,008.00	6.65	262.11	15,965.83	-147.92	-700.09	684.53	0.55	0.40	-3.39
16,198.00	7.39	250.53	16,154.42	-153.50	-722.51	706.38	0.84	0.39	-6.09
16,293.00	6.34	258.55	16,248.74	-156.58	-733.41	716.97	1.49	-1.11	8.44

SDT

Survey Report

Company:	Occidental Petroleum_Rockies	**Local Co-ordinate Reference:**	Well Glade East
Project:	WELD-NAD83-UTMFT13N	**TVD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Site:	Glade 3N-66W-02 Pad	**MD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Well:	Glade East	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,388.00	6.25	262.85	16,343.16	-158.27	-743.68	727.06	0.51	-0.09	4.53
16,483.00	5.34	271.57	16,437.68	-158.79	-753.23	736.53	1.33	-0.96	9.18
16,578.00	4.57	279.48	16,532.32	-158.04	-761.39	744.71	1.08	-0.81	8.33
16,672.00	4.09	280.31	16,626.06	-156.83	-768.38	751.79	0.51	-0.51	0.88
16,767.00	4.75	280.55	16,720.77	-155.50	-775.58	759.07	0.70	0.69	0.25
16,862.00	3.64	289.72	16,815.52	-153.76	-782.28	765.91	1.36	-1.17	9.65
16,957.00	5.16	296.05	16,910.24	-150.87	-788.96	772.81	1.68	1.60	6.66
17,052.00	5.36	298.23	17,004.84	-146.89	-796.71	780.87	0.30	0.21	2.29
17,147.00	5.31	308.87	17,099.43	-142.04	-804.04	788.60	1.04	-0.05	11.20
17,261.00	5.02	317.93	17,212.97	-135.02	-811.49	796.63	0.76	-0.25	7.95
17,285.00	4.89	319.11	17,236.88	-133.47	-812.86	798.14	0.69	-0.54	4.92
17,379.00	5.60	314.21	17,330.48	-127.24	-818.77	804.57	0.89	0.76	-5.21
17,474.00	6.15	310.22	17,424.98	-120.73	-825.98	812.32	0.72	0.58	-4.20
17,569.00	6.36	308.79	17,519.42	-114.14	-833.97	820.85	0.28	0.22	-1.51
17,664.00	6.74	309.29	17,613.80	-107.32	-842.38	829.83	0.40	0.40	0.53
17,759.00	7.37	309.52	17,708.08	-99.91	-851.40	839.45	0.66	0.66	0.24
17,853.00	6.71	306.48	17,801.37	-92.81	-860.47	849.10	0.81	-0.70	-3.23
17,948.00	6.45	304.99	17,895.74	-86.45	-869.30	858.46	0.33	-0.27	-1.57
18,043.00	6.20	303.03	17,990.17	-80.59	-877.97	867.61	0.35	-0.26	-2.06
18,138.00	6.24	303.95	18,084.61	-74.91	-886.56	876.65	0.11	0.04	0.97
18,233.00	6.38	298.02	18,179.03	-69.55	-895.50	886.03	0.70	0.15	-6.24
18,328.00	6.24	298.75	18,273.46	-64.59	-904.68	895.61	0.17	-0.15	0.77
18,422.00	6.21	301.31	18,366.90	-59.49	-913.51	904.85	0.30	-0.03	2.72
18,517.00	6.83	293.83	18,461.29	-54.53	-923.06	914.80	1.11	0.65	-7.87
18,612.00	7.50	284.62	18,555.55	-50.69	-934.23	926.26	1.40	0.71	-9.69
18,707.00	7.54	285.97	18,649.73	-47.41	-946.22	938.49	0.19	0.04	1.42
18,802.00	7.36	287.64	18,743.93	-43.85	-958.01	950.55	0.30	-0.19	1.76
18,936.00	7.36	287.64	18,876.83	-38.65	-974.37	967.30	0.00	0.00	0.00
BHL@ 18936' MD-2119' FEL & 2094' FSL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Glade East SHL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	14,618,806.85	1,713,249.34	40.252551	-104.738967
Glade East BHL - actual wellpath hits target center - Point	0.00	0.00	18,876.83	-38.65	-974.37	14,618,765.33	1,712,275.08	40.252445	-104.742459

SDT

Survey Report

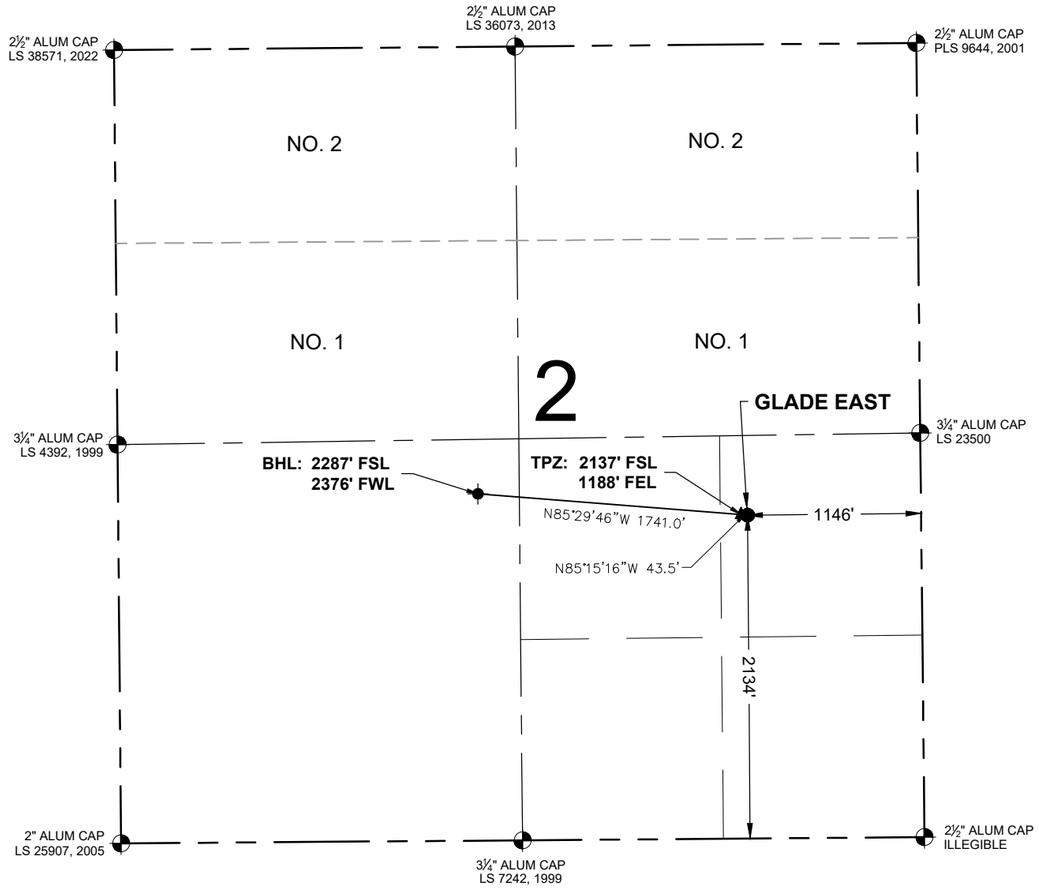
Company:	Occidental Petroleum_Rockies	**Local Co-ordinate Reference:**	Well Glade East
Project:	WELD-NAD83-UTMFT13N	**TVD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Site:	Glade 3N-66W-02 Pad	**MD Reference:**	4900+28 @ 4928.00usft (Precision 580)
Well:	Glade East	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000 Multi User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
11,127.70	11,117.50	-209.77	-174.03	Top Prod @ 11127' MD / 1319' FEL & 1923' FSL
18,936.00	18,876.83	-38.65	-974.37	BHL@ 18936' MD-2119' FEL & 2094' FSL

Checked By: _____ Approved By: _____ Date: _____

GLADE EAST
WELL LOCATION EXHIBIT



WELL **GLADE EAST** TO BE
LOCATED **2134' FSL** & **1146' FEL**

WELL BORE COORDINATES
(NAD83)

SURFACE LOCATION:
GROUND ELEVATION=4901'
LATITUDE:40.252551°N
LONGITUDE:104.738967°W

TOP PRODUCTION ZONE:
LATITUDE:40.252562°N
LONGITUDE:104.739122°W

BOTTOM HOLE:
LATITUDE:40.252978°N
LONGITUDE:104.745336°W

WELL NOTES:
LAND SURFACE USE - DRY LAND CROP
SEE LOCATION DRAWING FOR ADDITIONAL IMPROVEMENTS WITHIN 500'

PDOP=1.3
GPS OPERATOR: JOSHUA MCCRACKEN

N

0 500 1000
SCALE: 1"= 1000'

NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE ECMC, RULE NO. 216.
2. ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM 1983/2011. THE LINEAL DIMENSIONS AS SHOWN HEREIN ARE GRID DISTANCES BASED UPON THE "U.S. SURVEY FOOT." TO DERIVE GROUND DISTANCES MULTIPLY SHOWN DISTANCE BY 1.00027482.
3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 2 YEARS OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

LEGEND

= EXISTING MONUMENT
= PROPOSED WELL
= TOP PRODUCTION ZONE
= BOTTOM HOLE
BHL = BOTTOM HOLE

I, KEVIN J. MARTIN, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO **OCCIDENTAL PETROLEUM** THAT THE WELL LOCATION EXHIBIT SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS EXHIBIT MEETS THE REQUIREMENTS OF A GIS LAND POSITION AS DEFINED BY SECTION 38-51-109.3 C.R.S. AND AS SUCH PER SECTION 38-51-109.3 C.R.S. CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

COLORADO LICENSED
KEVIN J. MARTIN
38580
01-20-2025
PROFESSIONAL LAND SURVEYOR

KEVIN J. MARTIN, PLS 38580
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

ASCENT GEOMATICS SOLUTIONS
8620 Wolff Court
Westminster, CO 80031
(303) 928-7128
www.ascentgeomatics.com

FIELD DATE: 12-03-24	WELL NAME: GLADE EAST
DRAWING DATE: 01-20-25	SURFACE LOCATION: NE1/4 SE1/4 SEC. 2, T3N, R66W, 6TH P.M. WELD COUNTY, COLORADO
BY: NJH / CHECKED: HJL	

PREPARED FOR: OXY

Innovative Drilling Solutions
Data-Driven Decision

SCOUT DRILLING TECHNOLOGIES

DAILY DRILLING REPORTS

Scout Drilling Technologies
1125 Beach Airport Road, Conroe, Texas 77301
Office: 936-756-3210
www.scoutdrilltech.com

Daily Drilling Report 04/06/2025

Job #	20467	Operator	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	1	Well	Glade East
Latitude:	40° 15' 9.185" N	Longitude	104° 44' 20.280" W
Rig:	580	County / State	Weld / Colorado
Date:	04/06/2025	Report Time	00:00-24:00
Daily Cost($)		Well Cost($)	

Drilling Summary	24Hr	Run	Casing Data		Fluids			
Start Depth (Usft)	108.00		Csg Shoe MD(Usft)		600		%Sand	
End Depth (Usft)	108.00	108.00	OD (in)		300		%Solids	
Total Drilled (Usft)			Weight (lb/ft)		200		Weight (ppg)	
Slide Drilled (Usft)			Bit Data		100		Fluid Loss	
Rotary Drilled (Usft)			SN		6		PH	
Drlg/Circ Hrs			Bit #		3		Mud Type	
Slide Drilling Hrs			OD (in)		10s Gel		Oil/Water	
Rotary Drilling Hrs			TFA		Temp(F)		LGS	0.00
ROP Rot/Slide (Usft/hr)			Grade In		PV		Gas %	0.00
BRT Hrs			Grade Out		YP			
%Slide			Make		Viscosity			
%Rotary			Model		Chlorides			

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Julian Parras	Garhett Sikes										
Brett Curtis	Kolton Tobin	Ben Young										

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/06/2025	00:00	01:00	1.00	108.00	108.00	0.00	STBY		1A	Call Out
04/06/2025	01:00	24:00	23.00	108.00	108.00	0.00	STBY		1B	Rig Up

Daily Drilling Report 04/07/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	2	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	04/07/2025	**Report Time**	06:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Rig Up, PU BHA, Drill Surface

24Hr Lookahead

Casing Ops, Rig Skid, P/U

Drilling Summary	24Hr (BHA 1)	Run (BHA 1)	Casing Data		Fluids			
Start Depth (Usft)	108.00	108.00	**Csg Shoe MD(Usft)**		**600**		**%Sand**	
End Depth (Usft)	108.00	108.00	**OD (in)**		**300**		**%Solids**	
Total Drilled (Usft)			**Weight (lb/ft)**		**200**		**Weight (ppg)**	
Slide Drilled (Usft)			**Bit Data**		**100**		**Fluid Loss**	
Rotary Drilled (Usft)		1168	**SN**	A315626	**6**		**PH**	
Drlg/Circ Hrs		3.20 / 2.88	**Bit #**	2	**3**		**Mud Type**	
Slide Drilling Hrs			**OD (in)**	17.500	**10s Gel**		**Oil/Water**	
Rotary Drilling Hrs		3.20	**TFA**	0.902	**Temp(F)**		**LGS**	0.00
ROP Rot/Slide (Usft/hr)		365.00 / 0.00	**Grade In**	New	**PV**		**Gas %**	0.00
BRT Hrs			**Grade Out**	1-1-NO-A-X-I-NR-DTF	**YP**			
%Slide			**Make**	Reed Hycalog	**Viscosity**			
%Rotary			**Model**	TK69	**Chlorides**			

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Julian Parras	Garhett Sikes										
Brett Curtis	Kolton Tobin	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
17.5" REED TK69 - 0.90 (6x14)	17.500				225.00	2.00	2.00
14" Vertical Scout	10.688				360.00	24.30	26.30
9 5/8 Scout 5/6 4.0	9.660				295.30	35.10	61.40
17" 7/16 NM Blade Stabilizer	8.000	3.000				6.64	68.04
8" NMPC	7.990	3.250			149.60	14.15	82.19
8" Gap Sub	8.000	3.750			149.60	8.38	90.57
17" 7/16 NM Blade Stabilizer	7.875	3.000				5.94	96.51
8" NMDC	7.960	3.250			149.60	29.41	125.92
8" Shock Sub	8.060	2.750			101.00	13.40	139.32
8" DC (1 Stand)	8.000	2.875			150.00	89.96	229.28
XO 4 1/2 IF B x 6 5/8 Reg P	6.760	2.875			124.90	2.34	231.62
6.5" DC (1 Stand)	6.500	2.250			108.00	91.62	323.24
XO Delta257 B x 4 1/2 IF P	6.650	2.625			108.00	3.42	326.66
5" HWDP (10 Stands)	5.000				30.00	949.07	1275.73

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-962-MLA01-017			5/6	0.00	0.00	0.11	ADJ	4.0

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/07/2025	06:00	23:00	17.00	108.00	108.00	0.00	STBY		1B	RIG UP
04/07/2025	23:00	24:00	1.00	108.00	108.00	0.00	SURFACE	1: 17.5 Surface	6O	

Daily Drilling Report 04/08/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	3	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	04/08/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

DRILL SURFACE TO 1276 MD, ISSUES WITH VERTISTEER, TOOH, SWAP TOOLS, TIH, wash down, Resume drilling

24Hr Lookahead

DRILL AHEAD IN SURFACE SECTION

Drilling Summary	24Hr (BHA 2/BHA 1)	Run (BHA 2)	Casing Data		Fluids			
Start Depth (Usft)	108.00	1276.00	**Csg Shoe MD(Usft)**		**600**		**%Sand**	
End Depth (Usft)	1365.00	1365.00	**OD (in)**		**300**		**%Solids**	
Total Drilled (Usft)	1257	89	**Weight (lb/ft)**		**200**		**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**		**Fluid Loss**	
Rotary Drilled (Usft)	1257	913	**SN**	A315626	**6**		**PH**	
Drlg/Circ Hrs	3.78 / 3.47	5.13 / 3.67	**Bit #**	2	**3**		**Mud Type**	FRESH WATER
Slide Drilling Hrs			**OD (in)**	17.500	**10s Gel**		**Oil/Water**	
Rotary Drilling Hrs	3.78	5.13	**TFA**	0.902	**Temp(F)**		**LGS**	0.00
ROP Rot/Slide (Usft/hr)	332.25 / 0.00	177.86 / 0.00	**Grade In**	New	**PV**		**Gas %**	0.00
BRT Hrs	17.75	1.50	**Grade Out**	1-1-NO-A-X-I-NR-DTF	**YP**			
%Slide			**Make**	Reed Hycalog	**Viscosity**	28.00		
%Rotary	100.00	1025.84	**Model**	TK69	**Chlorides**			

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Julian Parras	Garhett Sikes									Kenneth Looper	
Brett Curtis	Kolton Tobin	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
17.5" REED TK69 - 0.90 (6x14)	17.500				225.00	2.00	2.00
14" Vertical Scout	10.688				360.00	24.30	26.30
9 5/8 Scout 5/6 4.0	9.660				295.30	35.10	61.40
17" 7/16 NM Blade Stabilizer	8.000	3.000				6.64	68.04
8" NMPC	7.990	3.250			149.60	14.15	82.19
8" Gap Sub	8.000	3.750			149.60	8.38	90.57
17" 7/16 NM Blade Stabilizer	7.875	3.000				5.94	96.51
8" NMDC	7.960	3.250			149.60	29.41	125.92
8" Shock Sub	8.060	2.750			101.00	13.40	139.32
8" DC (1 Stand)	8.000	2.875			150.00	89.96	229.28
XO 4 1/2 IF B x 6 5/8 Reg P	6.760	2.875			124.90	2.34	231.62
6.5" DC (1 Stand)	6.500	2.250			108.00	91.62	323.24
XO Delta257 B x 4 1/2 IF P	6.650	2.625			108.00	3.42	326.66
5" HWDP (10 Stands)	5.000				30.00	949.07	1275.73

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-962-MLA01-017			5/6	0.00	0.00	0.11	ADJ	4.0

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
153.00	0.56	26.27	153.00	0.67	0.33	0.37	26.27	-0.27	0.37	0.00	153.00
247.00	0.39	282.48	247.00	1.15	0.22	0.80	-149.88	-0.12	-0.18	-110.41	94.00
346.00	0.26	86.98	345.99	1.24	0.12	0.65	173.81	-0.01	-0.13	166.16	99.00
441.00	0.43	316.43	440.99	1.51	0.09	0.66	-148.80	0.04	0.18	-137.42	95.00
536.00	0.35	236.66	535.99	1.60	-0.40	0.53	-136.88	0.54	-0.08	-83.97	95.00
630.00	1.49	301.34	629.98	2.08	-1.69	1.47	77.96	1.86	1.21	68.81	94.00
725.00	0.92	260.86	724.96	2.60	-3.49	1.04	-142.92	3.71	-0.60	-42.61	95.00
820.00	1.14	272.86	819.95	2.53	-5.19	0.32	50.54	5.39	0.23	12.63	95.00
915.00	1.04	257.89	914.93	2.40	-6.98	0.32	-116.73	7.16	-0.11	-15.76	95.00
1010.00	0.91	252.04	1009.91	1.98	-8.54	0.17	-145.46	8.68	-0.14	-6.16	95.00
1105.00	1.15	271.02	1104.90	1.77	-10.21	0.44	64.61	10.32	0.25	19.98	95.00
1200.00	1.64	258.95	1199.87	1.52	-12.50	0.60	-37.08	12.58	0.52	-12.71	95.00
1289.00	1.35	247.17	1288.84	0.87	-14.71	0.47	-139.12	14.73	-0.33	-13.24	89.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	365.00	28.46	65.38	158.00	861.54	1823.31	1508.46	202.00	109.00	104.00	99.00	10.92	1.92
Run	365.00	28.46	65.38	158.00	861.54	1823.31	1508.46	202.00	109.00	104.00	99.00	10.92	1.92

MWD Data							
Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics					
Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/08/2025	00:00	04:00	4.00	108.00	108.00	0.00	SURFACE	1: 17.5 Surface	6O	P/U BHA
04/08/2025	04:00	04:17	0.28	108.00	174.00	66.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/108.00 t/174.00, w/WOB 20.00,Flow 700.00, RPM50.00, Press 1015.00, Tq 10.00, ROP 232.94, Diff 345.00
04/08/2025	04:17	04:25	0.13	174.00	174.00	0.00	SURFACE	1: 17.5 Surface	5A	Circulate B/U
04/08/2025	04:25	05:05	0.67	174.00	174.00	0.00	SURFACE	1: 17.5 Surface	20A	Install MWD
04/08/2025	05:05	05:30	0.42	174.00	174.00	0.00	SURFACE	1: 17.5 Surface	24A	P/U 8 Drill Collars
04/08/2025	05:30	05:33	0.05	174.00	174.00	0.00	SURFACE	1: 17.5 Surface	10C	Connection
04/08/2025	05:33	05:45	0.20	174.00	229.00	55.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/174.00 t/229.00, w/WOB 20.00,Flow 850.00, RPM60.00, Press 1304.00, Tq 10.00, ROP 275.00, Diff 204.00
04/08/2025	05:45	07:13	1.47	229.00	229.00	0.00	SURFACE	1: 17.5 Surface	10D	Survey & Connection & Make up HWDP stand and install XOs
04/08/2025	07:13	07:26	0.22	229.00	323.00	94.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/229.00 t/323.00, w/WOB 20.00,Flow 850.00, RPM60.00, Press 1304.00, Tq 10.00, ROP 433.85, Diff 204.00
04/08/2025	07:26	08:20	0.90	323.00	323.00	0.00	SURFACE	1: 17.5 Surface	10D	Survey & Connection& Rack Back HWDP & Install 6.5" stand of collars
04/08/2025	08:20	08:35	0.25	323.00	422.00	99.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/323.00 t/422.00, w/WOB 35.00,Flow 850.00, RPM60.00, Press 1660.00, Tq 10.00, ROP 396.00, Diff 310.00
04/08/2025	08:35	08:49	0.23	422.00	422.00	0.00	SURFACE	1: 17.5 Surface	10D	Survey & Connection
04/08/2025	08:49	09:05	0.27	422.00	517.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/422.00 t/517.00, w/WOB 35.00,Flow 850.00, RPM60.00, Press 1660.00, Tq 10.00, ROP 356.25, Diff 310.00
04/08/2025	09:05	09:21	0.27	517.00	517.00	0.00	SURFACE	1: 17.5 Surface	10D	Survey & Connection
04/08/2025	09:21	09:33	0.20	517.00	612.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/517.00 t/612.00, w/WOB 35.00,Flow 850.00, RPM60.00, Press 1660.00, Tq 10.00, ROP 475.00, Diff 310.00
04/08/2025	09:33	09:42	0.15	612.00	612.00	0.00	SURFACE	1: 17.5 Surface	10D	Survey & Connection
04/08/2025	09:42	09:54	0.20	612.00	706.00	94.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/612.00 t/706.00, w/WOB 35.00,Flow 1000.00, RPM80.00, Press 2500.00, Tq 10.00, ROP 470.00, Diff 350.00
04/08/2025	09:54	10:07	0.22	706.00	706.00	0.00	SURFACE	1: 17.5 Surface	10D	Survey & Connection
04/08/2025	10:07	10:19	0.20	706.00	801.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/706.00 t/801.00, w/WOB 35.00,Flow 950.00, RPM80.00, Press 2450.00, Tq 12.00, ROP 475.00, Diff 200.00
04/08/2025	10:19	10:35	0.27	801.00	801.00	0.00	SURFACE	1: 17.5 Surface	10D	Survey & Connection
04/08/2025	10:35	10:47	0.20	801.00	896.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/801.00 t/896.00, w/WOB 35.00,Flow 900.00, RPM80.00, Press 2350.00, Tq 12.00, ROP 475.00, Diff 300.00
04/08/2025	10:47	13:20	2.55	896.00	896.00	0.00	SURFACE	1: 17.5 Surface	3D	Ream 896 to 517 and then 517 to 896
04/08/2025	13:20	13:25	0.08	896.00	896.00	0.00	SURFACE	1: 17.5 Surface	10C	Connection
04/08/2025	13:25	13:42	0.28	896.00	991.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/896.00 t/991.00, w/WOB 25.00,Flow 850.00, RPM60.00, Press 1950.00, Tq 12.00, ROP 335.29, Diff 390.00
04/08/2025	13:42	13:53	0.18	991.00	991.00	0.00	SURFACE	1: 17.5 Surface	10D	Ream & Survey & Connection
04/08/2025	13:53	14:10	0.28	991.00	1086.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/991.00 t/1086.00, w/WOB 25.00,Flow 850.00, RPM60.00, Press 1950.00, Tq 12.00, ROP 335.29, Diff 390.00
04/08/2025	14:10	14:19	0.15	1086.00	1086.00	0.00	SURFACE	1: 17.5 Surface	10D	Ream & Survey & Connection
04/08/2025	14:19	14:34	0.25	1086.00	1181.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/1086.00 t/1181.00, w/WOB 25.00,Flow 850.00, RPM80.00, Press 1950.00, Tq 12.00, ROP 380.00, Diff 390.00
04/08/2025	14:34	14:45	0.18	1181.00	1181.00	0.00	SURFACE	1: 17.5 Surface	10D	Ream & Survey & Connection
04/08/2025	14:45	15:07	0.37	1181.00	1276.00	95.00	SURFACE	1: 17.5 Surface	2K	Rotary Drill f/1181.00 t/1276.00, w/WOB 25.00,Flow 850.00, RPM60.00, Press 1950.00, Tq 12.00, ROP 259.09, Diff 390.00
04/08/2025	15:07	15:11	0.07	1276.00	1276.00	0.00	SURFACE	1: 17.5 Surface	3D	Ream
04/08/2025	15:11	15:14	0.05	1276.00	1276.00	0.00	SURFACE	1: 17.5 Surface	10A	Survey
04/08/2025	15:14	17:00	1.77	1276.00	1276.00	0.00	SURFACE	1: 17.5 Surface	6B	TOOH
04/08/2025	17:00	20:15	3.25	1276.00	1276.00	0.00	SURFACE	1: 17.5 Surface	6P	LD MWD, VERTISTEER, BIT
04/08/2025	20:15	22:30	2.25	1276.00	1276.00	0.00	SURFACE	2: 17.5 Surface	6O	PU NEW VERTISTTER, BIT, RE RUN MWD
04/08/2025	22:30	22:45	0.25	1276.00	1276.00	0.00	SURFACE	2: 17.5 Surface	5A	CHECKSHOT SURVEY @ 247 MD
04/08/2025	22:45	23:05	0.33	1276.00	1276.00	0.00	SURFACE	2: 17.5 Surface	6A	TIH T/ 1215 MD
04/08/2025	23:05	23:25	0.33	1276.00	1276.00	0.00	SURFACE	2: 17.5 Surface	3D	Wash down F/ 1181 T/ 1276
04/08/2025	23:25	24:00	0.58	1276.00	1365.00	89.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1276.00 t/1365.00, w/WOB 27.00,Flow 700.00, RPM45.00, Press 1650.00, Tq 10.20, ROP 152.57, Diff 410.00

Daily Drilling Report 04/09/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	4	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	04/09/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Surface to TD, TOOH, LD BHA, RU Run Casing, Cement

24Hr Lookahead

Skid rig, Drill Glade west wellbore

Drilling Summary	24Hr (BHA 2)	Run (BHA 2)	Casing Data		Fluids			
Start Depth (Usft)	1365.00	1276.00	**Csg Shoe MD(Usft)**		**600**	3.00	**%Sand**	0.10
End Depth (Usft)	2189.00	2189.00	**OD (in)**		**300**	2.00	**%Solids**	2.00
Total Drilled (Usft)	824	913	**Weight (lb/ft)**		**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	824	913	**SN**	A314349	**6**	1.00	**PH**	8.00
Drlg/Circ Hrs	4.55 / 3.08	5.13 / 3.67	**Bit #**	2	**3**	1.00	**Mud Type**	FRESH WATER
Slide Drilling Hrs			**OD (in)**	17.500	**10s Gel**		**Oil/Water**	0/100
Rotary Drilling Hrs	4.55	5.13	**TFA**	0.906	**Temp(F)**		**LGS**	0.00
ROP Rot/Slide (Usft/hr)	181.10 / 0.00	177.86 / 0.00	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	14.00	15.50	**Grade Out**	1-1-WT-A-X-I-NO-TD	**YP**	1.00		
%Slide			**Make**	Reed Hycalog	**Viscosity**	28.00		
%Rotary	100.00	100.00	**Model**	TK66	**Chlorides**	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Kenneth Looper	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
17.5" REED TK66 (5x11,4x12 0.906 TFA - 0.91 (5x11, 4x12)	17.500				225.00	2.00	2.00
14" Vertical Scout	13.560				360.00	25.37	27.37
9 5/8 Scout 5/6 4.0	9.660				295.30	35.10	62.47
17" 7/16 NM Blade Stabilizer	8.000	3.000				6.64	69.11
8" NMPC	7.990	3.250			149.60	14.15	83.26
8" Gap Sub	8.000	3.750			149.60	8.38	91.64
17" 7/16 NM Blade Stabilizer	7.875	3.000				5.94	97.58
8" NMDC	7.960	3.250			149.60	29.41	126.99
8" Shock Sub	8.060	2.750			101.00	13.40	140.39
8" DC (1 Stand)	8.000	2.875			150.00	89.96	230.35
XO 4 1/2 IF B x 6 5/8 Reg P	6.760	2.875			124.90	2.34	232.69
6.5" DC (1 Stand)	6.500	2.250			108.00	91.62	324.31
XO Delta257 B x 4 1/2 IF P	6.650	2.625			108.00	3.42	327.73
5" HWDP (10 Stands)	5.000				30.00	949.07	1276.80

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-962-MLA01-017			5/6	0.00	0.00	0.11	ADJ	4.0

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
1289.00	1.35	247.17	1288.84	0.87	-14.71	0.47	-139.12	14.73	-0.33	-13.24	89.00
1379.00	0.92	293.42	1378.82	0.75	-16.35	1.08	137.04	16.35	-0.48	51.39	90.00
1469.00	0.83	245.98	1468.82	0.77	-17.61	0.79	-120.39	17.61	-0.10	-52.71	90.00
1558.00	0.48	240.12	1557.81	0.32	-18.52	0.40	-172.09	18.48	-0.39	-6.58	89.00
1648.00	0.83	255.49	1647.80	-0.03	-19.48	0.43	34.48	19.40	0.39	17.08	90.00
1738.00	1.35	240.86	1737.79	-0.71	-21.04	0.65	-35.60	20.90	0.58	-16.26	90.00
1827.00	1.18	320.52	1826.77	-0.51	-22.54	1.83	134.43	22.41	-0.19	89.51	89.00
1917.00	1.31	334.49	1916.75	1.13	-23.57	0.37	73.90	23.58	0.14	15.52	90.00
2006.00	1.73	331.62	2005.72	3.23	-24.64	0.48	-11.71	24.83	0.47	-3.22	89.00
2096.00	2.05	332.90	2095.67	5.86	-26.02	0.36	8.16	26.44	0.36	1.42	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	181.10	26.23	51.15	134.00	769.23	1996.15	1591.54	202.00	145.00	140.60	138.00	12.95	2.73
Run	177.86	26.29	50.71	133.00	764.29	1971.43	1566.43	202.00	145.00	140.60	138.00	12.76	2.63

MWD Data							
Tool	**SN**	**Type**	**Version**	**MWD Details**		**Battery Details**	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics					
Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	**From**	**To**	**Hrs**	**Start (Usft)**	**End (Usft)**	**CL**	**Phase**	**BHA**	**Code**	**Description**
04/09/2025	00:00	00:36	0.60	1365.00	1456.00	91.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1365.00 t/1456.00, w/WOB 27.00,Flow 750.00, RPM55.00, Press 1750.00, Tq 10.20, ROP 151.67, Diff 300.00
04/09/2025	00:36	00:40	0.07	1456.00	1456.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	00:40	01:07	0.45	1456.00	1546.00	90.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1456.00 t/1546.00, w/WOB 29.00,Flow 750.00, RPM55.00, Press 1750.00, Tq 10.90, ROP 200.00, Diff 300.00
04/09/2025	01:07	01:16	0.15	1546.00	1546.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	01:16	01:40	0.40	1546.00	1635.00	89.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1546.00 t/1635.00, w/WOB 30.00,Flow 800.00, RPM55.00, Press 2150.00, Tq 11.90, ROP 222.50, Diff 500.00
04/09/2025	01:40	01:45	0.08	1635.00	1635.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	01:45	02:07	0.37	1635.00	1725.00	90.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1635.00 t/1725.00, w/WOB 31.00,Flow 800.00, RPM55.00, Press 2200.00, Tq 14.50, ROP 245.45, Diff 550.00
04/09/2025	02:07	02:15	0.13	1725.00	1725.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	02:15	02:35	0.33	1725.00	1815.00	90.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1725.00 t/1815.00, w/WOB 31.00,Flow 800.00, RPM55.00, Press 2200.00, Tq 15.00, ROP 270.00, Diff 550.00
04/09/2025	02:35	02:40	0.08	1815.00	1815.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	02:40	03:12	0.53	1815.00	1904.00	89.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1815.00 t/1904.00, w/WOB 28.00,Flow 750.00, RPM50.00, Press 2050.00, Tq 13.50, ROP 166.88, Diff 500.00
04/09/2025	03:12	03:17	0.08	1904.00	1904.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	03:17	03:42	0.42	1904.00	1994.00	90.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1904.00 t/1994.00, w/WOB 25.00,Flow 750.00, RPM50.00, Press 2050.00, Tq 13.20, ROP 216.00, Diff 525.00
04/09/2025	03:42	03:48	0.10	1994.00	1994.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	03:48	03:56	0.13	1994.00	2016.00	22.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/1994.00 t/2016.00, w/WOB 25.00,Flow 750.00, RPM50.00, Press 2050.00, Tq 13.20, ROP 165.00, Diff 525.00
04/09/2025	03:56	04:05	0.15	2016.00	2016.00	0.00	SURFACE	2: 17.5 Surface	3D	Work Pipe
04/09/2025	04:05	04:14	0.15	2016.00	2038.00	22.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/2016.00 t/2038.00, w/WOB 25.00,Flow 750.00, RPM50.00, Press 2050.00, Tq 13.20, ROP 146.67, Diff 470.00
04/09/2025	04:14	04:30	0.27	2038.00	2038.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	04:30	04:41	0.18	2038.00	2083.00	45.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/2038.00 t/2083.00, w/WOB 25.00,Flow 850.00, RPM40.00, Press 2050.00, Tq 13.20, ROP 245.45, Diff 170.00
04/09/2025	04:41	04:51	0.17	2083.00	2083.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	04:51	05:06	0.25	2083.00	2128.00	45.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/2083.00 t/2128.00, w/WOB 25.00,Flow 750.00, RPM50.00, Press 2050.00, Tq 13.20, ROP 180.00, Diff 470.00
04/09/2025	05:06	05:10	0.07	2128.00	2128.00	0.00	SURFACE	2: 17.5 Surface	10D	Ream & Survey & Connection
04/09/2025	05:10	05:45	0.58	2128.00	2173.00	45.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/2128.00 t/2173.00, w/WOB 20.00,Flow 700.00, RPM45.00, Press 1650.00, Tq 13.20, ROP 81.82, Diff 200.00
04/09/2025	05:45	08:00	2.25	2173.00	2173.00	0.00	SURFACE	2: 17.5 Surface	3D	Ream and work pipe, WOO
04/09/2025	08:00	08:40	0.67	2173.00	2173.00	0.00	SURFACE	2: 17.5 Surface	6B	POOH
04/09/2025	08:40	09:00	0.33	2173.00	2173.00	0.00	SURFACE	2: 17.5 Surface	6A	RIH
04/09/2025	09:00	09:11	0.18	2173.00	2173.00	0.00	SURFACE	2: 17.5 Surface	5A	Fill Pipe
04/09/2025	09:11	09:20	0.15	2173.00	2189.00	16.00	SURFACE	2: 17.5 Surface	2K	Rotary Drill f/2173.00 t/2189.00, w/WOB 20.00,Flow 700.00, RPM45.00, Press 1650.00, Tq 13.20, ROP 106.67, Diff 200.00
04/09/2025	09:20	09:50	0.50	2189.00	2189.00	0.00	SURFACE	2: 17.5 Surface	5A	Circulate
04/09/2025	09:50	11:30	1.67	2189.00	2189.00	0.00	SURFACE	2: 17.5 Surface	6B	POOH
04/09/2025	11:30	14:00	2.50	2189.00	2189.00	0.00	SURFACE	2: 17.5 Surface	6P	L/D BHA
04/09/2025	14:00	19:15	5.25	2189.00	2189.00	0.00	STBY		12B	Run Casing
04/09/2025	19:15	20:45	1.50	2189.00	2189.00	0.00	STBY		5A	Circulate, rig up cementing equipment
04/09/2025	20:45	24:00	3.25	2189.00	2189.00	0.00	STBY		12E	Cement wellbore, Test Casing

Daily Drilling Report 04/30/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	5	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	04/30/2025	**Report Time**	13:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Skid to Glade East, Rig up, Nipple up, Test B.O.P

24Hr Lookahead

Test B.O.P, PU BHA, TIH, Drill INT

Drilling Summary	24Hr	Run	Casing Data		Fluids			
Start Depth (Usft)	2189.00		**Csg Shoe MD(Usft)**		**600**	29.00	**%Sand**	
End Depth (Usft)	2189.00	2189.00	**OD (in)**		**300**	17.00	**%Solids**	9.00
Total Drilled (Usft)			**Weight (lb/ft)**		**200**	11.00	**Weight (ppg)**	9.10
Slide Drilled (Usft)			**Bit Data**		**100**	7.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**		**6**	3.00	**PH**	
Drlg/Circ Hrs			**Bit #**		**3**	2.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**		**10s Gel**	3.00	**Oil/Water**	72.5 / 27.5
Rotary Drilling Hrs			**TFA**		**Temp(F)**	71.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)			**Grade In**		**PV**	12.00	**Gas %**	0.00
BRT Hrs			**Grade Out**		**YP**	5.00		
%Slide			**Make**		**Viscosity**	42.00		
%Rotary			**Model**		**Chlorides**	39000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Kenneth Looper	Ben Young										

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	26.23	51.15	51.00	769.23	1996.15	1591.54	202.00	145.00	140.60	138.00	12.95	2.73
Run	0.00	26.29	50.71	51.00	764.29	1971.43	1566.43	202.00	145.00	140.60	138.00	12.76	2.63

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/30/2025	13:00	16:00	3.00	2189.00	2189.00	0.00	STBY		1C	Skid to Glade East
04/30/2025	16:00	18:00	2.00	2189.00	2189.00	0.00	STBY		14A	Nipple Up
04/30/2025	18:00	24:00	6.00	2189.00	2189.00	0.00	STBY		15A	Test B.O.P

Daily Drilling Report 05/01/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	6	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/01/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Test B.O.P, PU BHA, TIH, Drill INT

24Hr Lookahead

Drill Intermediate

Drilling Summary	24Hr (BHA 3)	Run (BHA 3)	Casing Data		Fluids			
Start Depth (Usft)	2189.00	2189.00	**Csg Shoe MD(Usft)**		**600**	36.00	**%Sand**	
End Depth (Usft)	4052.00	4052.00	**OD (in)**		**300**	22.00	**%Solids**	7.50
Total Drilled (Usft)	1863	1863	**Weight (lb/ft)**		**200**	13.00	**Weight (ppg)**	9.00
Slide Drilled (Usft)			**Bit Data**		**100**	9.00	**Fluid Loss**	
Rotary Drilled (Usft)	1863	5630	**SN**	77790	**6**	4.00	**PH**	
Drlg/Circ Hrs	9.03 / 1.33	24.90 / 1.33	**Bit #**	3	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	5.00	**Oil/Water**	71.4 / 28.6
Rotary Drilling Hrs	9.03	24.90	**TFA**	1.167	**Temp(F)**	99.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	206.24 / 0.00	226.10 / 0.00	**Grade In**	New	**PV**	14.00	**Gas %**	0.00
BRT Hrs	14.50	14.50	**Grade Out**	2-4-CT-A-X-I-PR	**YP**	8.00		
%Slide			**Make**	Ulterra	**Viscosity**	46.00		
%Rotary	100.00	302.20	**Model**	U616S	**Chlorides**	39000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra U616S - 1.17 (9x13)	12.250				200.00	1.50	1.50
9" Power drive RSS	8.380	5.250			165.00	13.79	15.29
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	22.82
8 Filter Sub	8.000	2.875			142.00	5.63	28.45
9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS	9.650				226.00	42.50	70.95
8 UBHO	8.060	2.875			142.00	4.08	75.03
8 NMDC	7.960	3.750			142.00	28.55	103.58
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	111.95
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	120.00
8" DC (2 Stands)	8.000	2.875			150.00	181.87	301.87
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	304.57
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	761.41
6.5" Filter Sub	6.420	2.812			95.00	5.33	766.74
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	770.25
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1719.32

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0023		SSS100	7/8	0.00	0.00	0.10	FBH	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
2260.00	2.83	326.61	2259.52	11.85	-29.59	0.50	-22.11	30.51	0.48	-3.84	164.00
2350.00	2.70	329.77	2349.42	15.54	-31.88	0.22	132.03	33.11	-0.14	3.51	90.00
2440.00	2.58	330.51	2439.32	19.13	-33.94	0.14	164.51	35.48	-0.13	0.82	90.00
2530.00	2.32	332.37	2529.24	22.51	-35.78	0.30	163.92	37.61	-0.29	2.07	90.00
2619.00	2.15	333.64	2618.17	25.60	-37.36	0.20	164.39	39.45	-0.19	1.43	89.00
2709.00	1.82	327.91	2708.12	28.33	-38.87	0.43	-151.82	41.19	-0.37	-6.37	90.00
2799.00	1.31	323.81	2798.08	30.37	-40.24	0.58	-169.66	42.73	-0.57	-4.56	90.00
2888.00	0.23	354.16	2887.07	31.37	-40.86	1.26	174.03	43.43	-1.21	34.10	89.00
2978.00	0.09	340.18	2977.07	31.61	-40.90	0.16	-171.33	43.50	-0.16	-15.53	90.00
3067.00	0.08	287.09	3066.07	31.70	-40.98	0.09	-123.26	43.59	-0.01	-59.65	89.00
3157.00	0.05	184.19	3156.07	31.68	-41.04	0.11	-151.87	43.65	-0.03	-114.33	90.00
3247.00	0.07	340.39	3246.07	31.69	-41.07	0.13	166.09	43.67	0.02	173.56	90.00
3336.00	0.06	354.58	3335.07	31.79	-41.09	0.02	128.81	43.70	-0.01	15.94	89.00
3426.00	0.07	344.99	3425.07	31.89	-41.11	0.02	-52.27	43.73	0.01	-10.66	90.00
3516.00	0.03	11.24	3515.07	31.96	-41.12	0.05	162.89	43.75	-0.04	29.17	90.00
3605.00	0.16	266.65	3604.07	31.98	-41.24	0.19	-114.42	43.87	0.15	-117.52	89.00
3695.00	0.31	322.07	3694.07	32.16	-41.51	0.28	86.43	44.16	0.17	61.58	90.00
3785.00	0.17	26.33	3784.07	32.47	-41.60	0.31	147.04	44.27	-0.16	71.40	90.00
3875.00	0.17	65.14	3874.07	32.65	-41.42	0.13	90.00	44.11	0.00	43.12	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	206.24	31.52	83.95	166.00	780.43	3981.74	3687.61	202.00	190.00	180.00	180.00	10.22	3.04
Run	206.24	31.52	83.95	166.00	780.43	3981.74	3687.61	202.00	190.00	180.00	180.00	10.22	3.04

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/01/2025	00:00	04:15	4.25	2189.00	2189.00	0.00	STBY		15A	Test B.O.P
05/01/2025	04:15	04:45	0.50	2189.00	2189.00	0.00	STBY		25A	Pre Spud / Drops
05/01/2025	04:45	05:00	0.25	2189.00	2189.00	0.00	STBY		24A	Install Wear Bushing
05/01/2025	05:00	09:30	4.50	2189.00	2189.00	0.00	INT	3: 12.25 Orbit Intermediate	6O	PU BHA/DCs/Filter Sub/X Over
05/01/2025	09:30	10:30	1.00	2189.00	2189.00	0.00	INT	3: 12.25 Orbit Intermediate	6A	RIH
05/01/2025	10:30	11:30	1.00	2189.00	2189.00	0.00	INT	3: 12.25 Orbit Intermediate	24A	Level Rig, Install RCD
05/01/2025	11:30	12:30	1.00	2189.00	2189.00	0.00	INT	3: 12.25 Orbit Intermediate	3D	Drill Float & Shoe
05/01/2025	12:30	12:40	0.17	2189.00	2199.00	10.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2189.00 t/2199.00, w/WOB 25.00,Flow 650.00, RPM0.00, Press 3000.00, Tq 2.00, ROP 60.00, Diff 170.00
05/01/2025	12:40	13:00	0.33	2199.00	2199.00	0.00	INT	3: 12.25 Orbit Intermediate	5A	Circulate
05/01/2025	13:00	13:19	0.32	2199.00	2199.00	0.00	INT	3: 12.25 Orbit Intermediate	15B	F.I.T
05/01/2025	13:19	14:12	0.88	2199.00	2257.00	58.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2199.00 t/2257.00, w/WOB 30.00,Flow 700.00, RPM0.00, Press 3360.00, Tq 3.00, ROP 65.66, Diff 140.00 - DL@2211-180TF@25%
05/01/2025	14:12	14:17	0.08	2257.00	2257.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	14:17	14:58	0.68	2257.00	2302.00	45.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2257.00 t/2302.00, w/WOB 30.00,Flow 700.00, RPM0.00, Press 3360.00, Tq 3.00, ROP 65.85, Diff 140.00 - DL@2273-Decrease SR10%
05/01/2025	14:58	15:03	0.08	2302.00	2302.00	0.00	INT	3: 12.25 Orbit Intermediate	20A	CheckShot @ 2302
05/01/2025	15:03	15:20	0.28	2302.00	2347.00	45.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2302.00 t/2347.00, w/WOB 30.00,Flow 700.00, RPM0.00, Press 3360.00, Tq 3.00, ROP 158.82, Diff 140.00
05/01/2025	15:20	15:27	0.12	2347.00	2347.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	15:27	15:48	0.35	2347.00	2437.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2347.00 t/2437.00, w/WOB 30.00,Flow 800.00, RPM75.00, Press 4200.00, Tq 10.00, ROP 257.14, Diff 325.00
05/01/2025	15:48	15:53	0.08	2437.00	2437.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	15:53	16:53	1.00	2437.00	2527.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2437.00 t/2527.00, w/WOB 30.00,Flow 800.00, RPM75.00, Press 4200.00, Tq 10.00, ROP 90.00, Diff 325.00 - DL@2459-Mag Mode / DL@2473-180TF@25%
05/01/2025	16:53	16:59	0.10	2527.00	2527.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	16:59	17:26	0.45	2527.00	2617.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2527.00 t/2617.00, w/WOB 15.00,Flow 800.00, RPM85.00, Press 4000.00, Tq 8.00, ROP 200.00, Diff 125.00
05/01/2025	17:26	17:33	0.12	2617.00	2617.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	17:33	18:18	0.75	2617.00	2706.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2617.00 t/2706.00, w/WOB 15.00,Flow 800.00, RPM85.00, Press 4000.00, Tq 8.00, ROP 118.67, Diff 125.00 - DL @ 2626&sq;- TF 180 @ SR 50%
05/01/2025	18:18	18:27	0.15	2706.00	2706.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	18:27	18:53	0.43	2706.00	2796.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2706.00 t/2796.00, w/WOB 30.00,Flow 800.00, RPM85.00, Press 4000.00, Tq 8.00, ROP 207.69, Diff 125.00
05/01/2025	18:53	18:56	0.05	2796.00	2796.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	18:56	19:45	0.82	2796.00	2886.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2796.00 t/2886.00, w/WOB 30.00,Flow 800.00, RPM95.00, Press 4000.00, Tq 8.00, ROP 110.20, Diff 125.00 - 2X DL@2829&sq; Power V Unlock/ Engaged
05/01/2025	19:45	19:49	0.07	2886.00	2886.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	19:49	20:06	0.28	2886.00	2975.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2886.00 t/2975.00, w/WOB 30.00,Flow 800.00, RPM75.00, Press 4000.00, Tq 8.00, ROP 314.12, Diff 125.00
05/01/2025	20:06	20:10	0.07	2975.00	2975.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	20:10	20:26	0.27	2975.00	3065.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/2975.00 t/3065.00, w/WOB 30.00,Flow 800.00, RPM85.00, Press 4125.00, Tq 13.00, ROP 337.50, Diff 375.00
05/01/2025	20:26	20:31	0.08	3065.00	3065.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	20:31	20:46	0.25	3065.00	3154.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3065.00 t/3154.00, w/WOB 30.00,Flow 800.00, RPM85.00, Press 4125.00, Tq 13.00, ROP 356.00, Diff 375.00
05/01/2025	20:46	20:51	0.08	3154.00	3154.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection

05/01/2025	20:51	21:07	0.27	3154.00	3244.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3154.00 t/3244.00, w/WOB 35.00,Flow 800.00, RPM 85.00, Press 4125.00, Tq 13.00, ROP 337.50, Diff 375.00
05/01/2025	21:07	21:11	0.07	3244.00	3244.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	21:11	21:26	0.25	3244.00	3334.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3244.00 t/3334.00, w/WOB 35.00,Flow 800.00, RPM 85.00, Press 4125.00, Tq 13.00, ROP 360.00, Diff 375.00
05/01/2025	21:26	21:32	0.10	3334.00	3334.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	21:32	21:46	0.23	3334.00	3423.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3334.00 t/3423.00, w/WOB 35.00,Flow 800.00, RPM 85.00, Press 4125.00, Tq 13.00, ROP 381.43, Diff 375.00
05/01/2025	21:46	21:51	0.08	3423.00	3423.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	21:51	22:04	0.22	3423.00	3513.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3423.00 t/3513.00, w/WOB 35.00,Flow 800.00, RPM 85.00, Press 4125.00, Tq 13.00, ROP 415.38, Diff 375.00
05/01/2025	22:04	22:10	0.10	3513.00	3513.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	22:10	22:25	0.25	3513.00	3603.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3513.00 t/3603.00, w/WOB 35.00,Flow 800.00, RPM 85.00, Press 4125.00, Tq 13.00, ROP 360.00, Diff 375.00
05/01/2025	22:25	22:29	0.07	3603.00	3603.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	22:29	22:44	0.25	3603.00	3692.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3603.00 t/3692.00, w/WOB 35.00,Flow 800.00, RPM 85.00, Press 4125.00, Tq 13.00, ROP 356.00, Diff 375.00
05/01/2025	22:44	22:48	0.07	3692.00	3692.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	22:48	23:03	0.25	3692.00	3782.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3692.00 t/3782.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4275.00, Tq 15.00, ROP 360.00, Diff 475.00
05/01/2025	23:03	23:07	0.07	3782.00	3782.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	23:07	23:19	0.20	3782.00	3872.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3782.00 t/3872.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4275.00, Tq 15.00, ROP 450.00, Diff 475.00
05/01/2025	23:19	23:24	0.08	3872.00	3872.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	23:24	23:39	0.25	3872.00	3962.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3872.00 t/3962.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4275.00, Tq 15.00, ROP 360.00, Diff 475.00
05/01/2025	23:39	23:42	0.05	3962.00	3962.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/01/2025	23:42	23:57	0.25	3962.00	4052.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/3962.00 t/4052.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4275.00, Tq 15.00, ROP 360.00, Diff 475.00
05/01/2025	23:57	24:00	0.05	4052.00	4052.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection

Daily Drilling Report 05/02/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	7	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/02/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary
Drill Intermediate

24Hr Lookahead
Drill Intermediate

Drilling Summary	24Hr (BHA 3)	Run (BHA 3)	Casing Data		Fluids			
Start Depth (Usft)	4052.00	2189.00	**Csg Shoe MD(Usft)**		**600**	34.00	**%Sand**	
End Depth (Usft)	7819.00	7819.00	**OD (in)**		**300**	22.00	**%Solids**	11.50
Total Drilled (Usft)	3767	5630	**Weight (lb/ft)**		**200**	19.00	**Weight (ppg)**	9.50
Slide Drilled (Usft)			**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)	3767	5837	**SN**	77790	**6**	4.00	**PH**	
Drlg/Circ Hrs	15.87 / 0.00	28.20 / 3.23	**Bit #**	3	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	5.00	**Oil/Water**	71.2 / 28.8
Rotary Drilling Hrs	15.87	28.20	**TFA**	1.167	**Temp(F)**	141.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	237.42 / 0.00	206.99 / 0.00	**Grade In**	New	**PV**	12.00	**Gas %**	0.00
BRT Hrs	24.00	38.50	**Grade Out**	2-4-CT-A-X-I-PR	**YP**	10.00		
%Slide			**Make**	Ulterra	**Viscosity**	45.00		
%Rotary	100.00	103.68	**Model**	U616S	**Chlorides**	39000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra U616S - 1.17 (9x13)	12.250				200.00	1.50	1.50
9" Power drive RSS	8.380	5.250			165.00	13.79	15.29
12.125 NMBlade Stabilizer	8.310	3.500			146.00	7.53	22.82
8 Filter Sub	8.000	2.875			142.00	5.63	28.45
9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS	9.650				226.00	42.50	70.95
8 UBHO	8.060	2.875			142.00	4.08	75.03
8 NMDC	7.960	3.750			142.00	28.55	103.58
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	111.95
12.125 NMBlade Stabilizer	8.310	3.500			146.00	8.05	120.00
8" DC (2 Stands)	8.000	2.875			150.00	181.87	301.87
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	304.57
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	761.41
6.5" Filter Sub	6.420	2.812			95.00	5.33	766.74
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	770.25
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1719.32

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0023		SSS100	7/8	0.00	0.00	0.10	FBH	4.8

Surveys											
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
3965.00	0.03	228.55	3964.07	32.69	-41.32	0.22	177.53	44.01	-0.16	181.57	90.00
4054.00	0.08	226.12	4053.07	32.63	-41.38	0.06	-3.89	44.07	0.06	-2.73	89.00
4144.00	0.14	300.13	4143.07	32.64	-41.52	0.16	107.11	44.21	0.07	82.23	90.00
4234.00	0.24	306.58	4233.07	32.81	-41.77	0.11	15.31	44.47	0.11	7.17	90.00
4324.00	0.28	329.02	4323.07	33.11	-42.03	0.12	80.02	44.76	0.04	24.93	90.00
4413.00	0.08	298.17	4412.07	33.33	-42.20	0.24	-169.01	44.94	-0.22	-34.66	89.00
4503.00	0.04	172.49	4502.07	33.33	-42.25	0.12	-162.54	44.99	-0.04	-139.64	90.00
4593.00	0.08	277.89	4592.07	33.30	-42.31	0.11	128.45	45.05	0.04	117.11	90.00
4682.00	0.03	36.65	4681.07	33.33	-42.36	0.11	164.44	45.10	-0.06	133.44	89.00
4772.00	0.07	167.95	4771.07	33.30	-42.33	0.10	145.39	45.07	0.04	145.89	90.00
4862.00	0.07	311.05	4861.07	33.28	-42.36	0.15	90.00	45.10	0.00	159.00	90.00
4952.00	0.11	16.81	4951.07	33.40	-42.38	0.11	103.91	45.13	0.04	73.07	90.00
5041.00	0.05	166.18	5040.07	33.44	-42.34	0.17	170.55	45.10	-0.07	167.83	89.00
5131.00	0.04	252.00	5130.07	33.39	-42.36	0.07	139.73	45.11	-0.01	95.36	90.00
5221.00	0.07	295.19	5220.07	33.41	-42.44	0.05	77.03	45.19	0.03	47.99	90.00
5310.00	0.04	149.49	5309.07	33.40	-42.48	0.12	-167.66	45.23	-0.03	-163.71	89.00
5400.00	0.03	37.51	5399.07	33.39	-42.45	0.06	-151.50	45.19	-0.01	-124.42	90.00
5489.00	0.08	273.12	5488.07	33.42	-42.49	0.11	-138.72	45.24	0.06	-139.76	89.00
5579.00	0.08	325.39	5578.07	33.47	-42.59	0.08	90.00	45.35	0.00	58.08	90.00
5669.00	0.07	187.52	5668.07	33.47	-42.63	0.16	-160.41	45.39	-0.01	-153.19	90.00
5758.00	0.14	251.08	5757.07	33.38	-42.74	0.14	93.50	45.49	0.08	71.42	89.00
5848.00	0.03	139.00	5847.07	33.33	-42.83	0.17	-169.59	45.57	-0.12	-124.53	90.00
5938.00	0.02	125.24	5937.07	33.30	-42.80	0.01	-155.78	45.54	-0.01	-15.29	90.00
6028.00	0.09	229.05	6027.07	33.24	-42.85	0.11	115.39	45.58	0.08	115.34	90.00
6117.00	0.04	257.45	6116.07	33.19	-42.93	0.07	160.86	45.66	-0.06	31.91	89.00
6207.00	0.12	233.61	6206.07	33.13	-43.03	0.09	-34.81	45.76	0.09	-26.49	90.00
6297.00	0.58	201.91	6296.07	32.65	-43.28	0.54	-39.22	45.96	0.51	-35.22	90.00
6386.00	0.89	202.76	6385.06	31.59	-43.72	0.35	2.44	46.30	0.35	0.96	89.00
6476.00	1.11	195.59	6475.04	30.11	-44.22	0.28	-33.25	46.68	0.24	-7.97	90.00
6566.00	1.58	194.41	6565.02	28.07	-44.76	0.52	-3.96	47.04	0.52	-1.31	90.00
6656.00	2.48	193.67	6654.96	24.98	-45.53	1.00	-2.04	47.54	1.00	-0.82	90.00
6745.00	3.02	190.28	6743.86	20.80	-46.41	0.63	-18.46	48.04	0.61	-3.81	89.00
6835.00	3.29	187.96	6833.72	15.91	-47.19	0.33	-26.47	48.39	0.30	-2.58	90.00
6925.00	3.33	185.69	6923.57	10.75	-47.80	0.15	-74.16	48.56	0.04	-2.52	90.00
7014.00	3.52	185.70	7012.41	5.46	-48.33	0.21	0.19	48.62	0.21	0.01	89.00
7104.00	3.81	183.66	7102.23	-0.28	-48.80	0.35	-25.23	48.59	0.32	-2.27	90.00
7194.00	3.99	184.46	7192.02	-6.38	-49.23	0.21	17.22	48.49	0.20	0.89	90.00
7283.00	4.14	184.71	7280.80	-12.67	-49.74	0.17	6.86	48.44	0.17	0.28	89.00
7373.00	4.38	186.77	7370.55	-19.32	-50.41	0.32	33.55	48.53	0.27	2.29	90.00
7463.00	4.51	186.88	7460.28	-26.25	-51.24	0.14	3.81	48.75	0.14	0.12	90.00
7552.00	4.62	187.64	7548.99	-33.27	-52.13	0.14	29.19	49.03	0.12	0.85	89.00
7642.00	4.54	187.46	7638.71	-40.40	-53.08	0.09	-169.90	49.35	-0.09	-0.20	90.00
7732.00	4.51	187.29	7728.43	-47.44	-53.99	0.04	-156.00	49.65	-0.03	-0.19	90.00

Drilling Parameters													
	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	237.42	36.14	88.98	173.00	800.00	4580.45	4058.30	202.00	227.61	222.61	217.16	18.36	7.18
Run	226.10	34.55	87.46	171.00	793.28	4374.93	3931.04	202.00	214.70	207.99	204.40	15.57	5.76

MWD Data							
Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics					
Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/02/2025	00:00	00:06	0.10	4052.00	4052.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	
05/02/2025	00:06	00:20	0.23	4052.00	4141.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4052.00 t/4141.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 381.43, Diff 450.00
05/02/2025	00:20	00:25	0.08	4141.00	4141.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	00:25	00:39	0.23	4141.00	4231.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4141.00 t/4231.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 385.71, Diff 450.00
05/02/2025	00:39	00:44	0.08	4231.00	4231.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection

05/02/2025	00:44	00:58	0.23	4231.00	4321.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4231.00 t/4321.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 385.71, Diff 450.00
05/02/2025	00:58	01:03	0.08	4321.00	4321.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	01:03	01:17	0.23	4321.00	4411.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4321.00 t/4411.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 385.71, Diff 450.00
05/02/2025	01:17	01:22	0.08	4411.00	4411.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	01:22	01:37	0.25	4411.00	4500.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4411.00 t/4500.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 356.00, Diff 450.00
05/02/2025	01:37	01:42	0.08	4500.00	4500.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	01:42	01:56	0.23	4500.00	4590.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4500.00 t/4590.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 385.71, Diff 450.00
05/02/2025	01:56	02:00	0.07	4590.00	4590.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	02:00	02:15	0.25	4590.00	4680.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4590.00 t/4680.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 360.00, Diff 450.00
05/02/2025	02:15	02:18	0.05	4680.00	4680.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	02:18	02:33	0.25	4680.00	4769.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4680.00 t/4769.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4400.00, Tq 16.00, ROP 356.00, Diff 450.00
05/02/2025	02:33	02:37	0.07	4769.00	4769.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	02:37	02:52	0.25	4769.00	4859.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4769.00 t/4859.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 360.00, Diff 575.00
05/02/2025	02:52	02:56	0.07	4859.00	4859.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	02:56	03:10	0.23	4859.00	4949.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4859.00 t/4949.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 385.71, Diff 575.00
05/02/2025	03:10	03:16	0.10	4949.00	4949.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	03:16	03:31	0.25	4949.00	5039.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/4949.00 t/5039.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 360.00, Diff 575.00
05/02/2025	03:31	03:36	0.08	5039.00	5039.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	03:36	03:51	0.25	5039.00	5128.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5039.00 t/5128.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 356.00, Diff 575.00
05/02/2025	03:51	03:55	0.07	5128.00	5128.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	03:55	04:09	0.23	5128.00	5218.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5128.00 t/5218.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 385.71, Diff 575.00
05/02/2025	04:09	04:15	0.10	5218.00	5218.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	04:15	04:29	0.23	5218.00	5308.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5218.00 t/5308.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 385.71, Diff 575.00
05/02/2025	04:29	04:34	0.08	5308.00	5308.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	04:34	04:48	0.23	5308.00	5397.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5308.00 t/5397.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 381.43, Diff 575.00
05/02/2025	04:48	04:53	0.08	5397.00	5397.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	04:53	05:09	0.27	5397.00	5487.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5397.00 t/5487.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 337.50, Diff 575.00
05/02/2025	05:09	05:13	0.07	5487.00	5487.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	05:13	05:29	0.27	5487.00	5576.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5487.00 t/5576.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 333.75, Diff 575.00
05/02/2025	05:29	05:34	0.08	5576.00	5576.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	05:34	05:49	0.25	5576.00	5666.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5576.00 t/5666.00, w/WOB 40.00,Flow 800.00, RPM 85.00, Press 4525.00, Tq 17.50, ROP 360.00, Diff 575.00
05/02/2025	05:49	05:53	0.07	5666.00	5666.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	05:53	06:08	0.25	5666.00	5756.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5666.00 t/5756.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 360.00, Diff 550.00
05/02/2025	06:08	06:17	0.15	5756.00	5756.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	06:17	06:31	0.23	5756.00	5845.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5756.00 t/5845.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 381.43, Diff 550.00
05/02/2025	06:31	06:41	0.17	5845.00	5845.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	06:41	06:56	0.25	5845.00	5935.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5845.00 t/5935.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 360.00, Diff 550.00
05/02/2025	06:56	07:07	0.18	5935.00	5935.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	07:07	07:21	0.23	5935.00	6025.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/5935.00 t/6025.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 385.71, Diff 550.00
05/02/2025	07:21	07:25	0.07	6025.00	6025.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	07:25	07:40	0.25	6025.00	6115.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6025.00 t/6115.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 360.00, Diff 550.00
05/02/2025	07:40	07:45	0.08	6115.00	6115.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	07:45	08:35	0.83	6115.00	6204.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6115.00 t/6204.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 106.80, Diff 550.00 - 2x DL@6180 PowerV Unlock / Set TF216 @ 50%
05/02/2025	08:35	08:44	0.15	6204.00	6204.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	08:44	09:15	0.52	6204.00	6294.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6204.00 t/6294.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 174.19, Diff 550.00 - DL@6273 Decrease TF12deg
05/02/2025	09:15	09:20	0.08	6294.00	6294.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection

05/02/2025	09:20	09:51	0.52	6294.00	6384.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6294.00 t/6384.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 174.19, Diff 550.00
05/02/2025	09:51	09:55	0.07	6384.00	6384.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	09:55	10:12	0.28	6384.00	6429.00	45.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6384.00 t/6429.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 158.82, Diff 550.00
05/02/2025	10:12	10:20	0.13	6429.00	6429.00	0.00	INT	3: 12.25 Orbit Intermediate	20A	Checkshot
05/02/2025	10:20	10:29	0.15	6429.00	6473.00	44.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6429.00 t/6473.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 293.33, Diff 550.00
05/02/2025	10:29	10:40	0.18	6473.00	6473.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	10:40	10:58	0.30	6473.00	6537.00	64.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6473.00 t/6537.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 213.33, Diff 550.00
05/02/2025	10:58	13:45	2.78	6537.00	6537.00	0.00	INT	3: 12.25 Orbit Intermediate	27A	
05/02/2025	13:45	13:53	0.13	6537.00	6563.00	26.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6537.00 t/6563.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 195.00, Diff 550.00
05/02/2025	13:53	14:01	0.13	6563.00	6563.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	14:01	14:45	0.73	6563.00	6653.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6563.00 t/6653.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 122.73, Diff 550.00 - DL@6607 Increase SR by 10%
05/02/2025	14:45	14:56	0.18	6653.00	6653.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	14:56	15:24	0.47	6653.00	6743.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6653.00 t/6743.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 192.86, Diff 550.00
05/02/2025	15:24	15:32	0.13	6743.00	6743.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	15:32	16:02	0.50	6743.00	6832.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6743.00 t/6832.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 178.00, Diff 550.00 - DL@6787 Decrease SR byy 10%
05/02/2025	16:02	16:08	0.10	6832.00	6832.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	16:08	16:27	0.32	6832.00	6922.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6832.00 t/6922.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 284.21, Diff 550.00
05/02/2025	16:27	16:33	0.10	6922.00	6922.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	16:33	17:04	0.52	6922.00	7012.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/6922.00 t/7012.00, w/WOB 25.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 174.19, Diff 550.00 - DL@6964 Increase TF12deg
05/02/2025	17:04	17:13	0.15	7012.00	7012.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	17:13	17:40	0.45	7012.00	7101.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7012.00 t/7101.00, w/WOB 15.00,Flow 800.00, RPM 95.00, Press 4660.00, Tq 13.00, ROP 197.78, Diff 180.00
05/02/2025	17:40	17:50	0.17	7101.00	7101.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	17:50	18:28	0.63	7101.00	7191.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7101.00 t/7191.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 142.11, Diff 550.00 - DL@7133 TF216deg SF50%
05/02/2025	18:28	18:39	0.18	7191.00	7191.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	18:39	19:06	0.45	7191.00	7281.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7191.00 t/7281.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 200.00, Diff 550.00
05/02/2025	19:06	19:51	0.75	7281.00	7281.00	0.00	INT	3: 12.25 Orbit Intermediate	8P	Rig Service
05/02/2025	19:51	19:58	0.12	7281.00	7281.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	19:58	20:37	0.65	7281.00	7370.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7281.00 t/7370.00, w/WOB 45.00,Flow 800.00, RPM 95.00, Press 4750.00, Tq 20.00, ROP 136.92, Diff 400.00 - DL @ 7319 Increase SR by 10%
05/02/2025	20:37	20:43	0.10	7370.00	7370.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	20:43	21:05	0.37	7370.00	7460.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7370.00 t/7460.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 245.45, Diff 550.00
05/02/2025	21:05	21:11	0.10	7460.00	7460.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	21:11	21:57	0.77	7460.00	7550.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7460.00 t/7550.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 117.39, Diff 550.00 - DL @ 7491 TF=225 SR-25% and SR +10%
05/02/2025	21:57	22:02	0.08	7550.00	7550.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	22:02	22:24	0.37	7550.00	7639.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7550.00 t/7639.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 242.73, Diff 550.00
05/02/2025	22:24	22:29	0.08	7639.00	7639.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	22:29	22:52	0.38	7639.00	7729.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7639.00 t/7729.00, w/WOB 40.00,Flow 800.00, RPM 95.00, Press 4650.00, Tq 20.00, ROP 234.78, Diff 550.00
05/02/2025	22:52	22:58	0.10	7729.00	7729.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/02/2025	22:58	23:54	0.93	7729.00	7819.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7729.00 t/7819.00, w/WOB 30.00,Flow 800.00, RPM 10.00, Press 4730.00, Tq 12.00, ROP 96.43, Diff 395.00
05/02/2025	23:54	24:00	0.10	7819.00	7819.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection

Daily Drilling Report 05/03/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	8	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/03/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Intermediate, TOOH, LD BHA, PU BHA, TIH

24Hr Lookahead

Drill Intermediate

Drilling Summary	24Hr (BHA 4/BHA 3)	Run (BHA 4)	Casing Data		Fluids			
Start Depth (Usft)	7819.00	8026.00	**Csg Shoe MD(Usft)**		**600**	34.00	**%Sand**	
End Depth (Usft)	8026.00	8026.00	**OD (in)**		**300**	21.00	**%Solids**	11.50
Total Drilled (Usft)	207		**Weight (lb/ft)**		**200**	17.00	**Weight (ppg)**	9.50
Slide Drilled (Usft)			**Bit Data**		**100**	12.00	**Fluid Loss**	
Rotary Drilled (Usft)	207	115	**SN**	77790	**6**	4.00	**PH**	
Drlg/Circ Hrs	3.30 / 1.90	2.95 / 1.23	**Bit #**	3	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	5.00	**Oil/Water**	70.6 / 29.4
Rotary Drilling Hrs	3.30	2.95	**TFA**	1.167	**Temp(F)**	96.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	62.73 / 0.00	38.98 / 0.00	**Grade In**	New	**PV**	13.00	**Gas %**	0.00
BRT Hrs	19.50	6.00	**Grade Out**	2-4-CT-A-X-I-PR	**YP**	8.00		
%Slide			**Make**	Ulterra	**Viscosity**	47.00		
%Rotary	100.00		**Model**	U616S	**Chlorides**	41000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra U616S - 1.17 (9x13)	12.250				200.00	1.50	1.50
9" Power drive RSS	8.380	5.250			165.00	13.79	15.29
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	22.82
8 Filter Sub	8.000	2.875			142.00	5.63	28.45
9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS	9.650				226.00	42.50	70.95
8 UBHO	8.060	2.875			142.00	4.08	75.03
8 NMDC	7.960	3.750			142.00	28.55	103.58
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	111.95
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	120.00
8" DC (2 Stands)	8.000	2.875			150.00	181.87	301.87
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	304.57
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	761.41
6.5" Filter Sub	6.420	2.812			95.00	5.33	766.74
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	770.25
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1719.32

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0023		SSS100	7/8	0.00	0.00	0.10	FBH	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
7822.00	4.87	191.48	7818.13	-54.69	-55.20	0.55	45.68	50.22	0.40	4.66	90.00
7911.00	5.49	196.62	7906.76	-62.47	-57.17	0.87	39.39	51.50	0.70	5.78	89.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	62.73	30.00	10.00	94.00	800.00	4730.00	4335.00	202.00	275.00	275.00	265.00	12.00	8.00
Run	206.99	34.36	83.94	167.00	793.57	4390.14	3948.36	202.00	217.29	210.86	207.00	15.41	5.86

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/03/2025	00:00	01:37	1.62	7819.00	7909.00	90.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7819.00 t/7909.00, w/WOB 30.00,Flow 800.00, RPM 10.00, Press 4730.00, Tq 12.00, ROP 55.67, Diff 395.00
05/03/2025	01:37	01:47	0.17	7909.00	7909.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/03/2025	01:47	02:37	0.83	7909.00	7998.00	89.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7909.00 t/7998.00, w/WOB 30.00,Flow 800.00, RPM 10.00, Press 4730.00, Tq 12.00, ROP 106.80, Diff 395.00
05/03/2025	02:37	02:45	0.13	7998.00	7998.00	0.00	INT	3: 12.25 Orbit Intermediate	10D	Survey & Connection
05/03/2025	02:45	03:36	0.85	7998.00	8026.00	28.00	INT	3: 12.25 Orbit Intermediate	2K	Rotary Drill f/7998.00 t/8026.00, w/WOB 30.00,Flow 800.00, RPM 10.00, Press 4730.00, Tq 12.00, ROP 32.94, Diff 395.00 - DL @ 8017&sq; SF=10% Decrease
05/03/2025	03:36	05:30	1.90	8026.00	8026.00	0.00	INT	3: 12.25 Orbit Intermediate	5A	Downlink RSS to TF=0% and SF=0%, Clean Hole, and Flow check, pump slug
05/03/2025	05:30	09:45	4.25	8026.00	8026.00	0.00	INT	3: 12.25 Orbit Intermediate	6B	TOOH
05/03/2025	09:45	13:30	3.75	8026.00	8026.00	0.00	INT	3: 12.25 Orbit Intermediate	6P	Laydown BHA
05/03/2025	13:30	14:45	1.25	8026.00	8026.00	0.00	INT		24A	Clean Floor, PD Drop Inspections, Rig Service
05/03/2025	14:45	18:00	3.25	8026.00	8026.00	0.00	INT	4: 12.25 Orbit Intermediate #2	6O	Pick Up BHA
05/03/2025	18:00	19:15	1.25	8026.00	8026.00	0.00	INT	4: 12.25 Orbit Intermediate #2	6A	TIH
05/03/2025	19:15	20:30	1.25	8026.00	8026.00	0.00	INT	4: 12.25 Orbit Intermediate #2	9A	Slip and Cut
05/03/2025	20:30	24:00	3.50	8026.00	8026.00	0.00	INT	4: 12.25 Orbit Intermediate #2	6A	TIH

Daily Drilling Report 05/04/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	9	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/04/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Intermediate, Circ, Trip to change BHA, Drill INT

24Hr Lookahead

Drill Intermediate

Drilling Summary	24Hr (BHA 5/BHA 4)	Run (BHA 5)	Casing Data		Fluids			
Start Depth (Usft)	8026.00	8141.00	**Csg Shoe MD(Usft)**		**600**	32.00	**%Sand**	
End Depth (Usft)	8313.00	8313.00	**OD (in)**		**300**	20.00	**%Solids**	12.00
Total Drilled (Usft)	287	172	**Weight (lb/ft)**		**200**	16.00	**Weight (ppg)**	9.60
Slide Drilled (Usft)	8	29	**Bit Data**		**100**	10.00	**Fluid Loss**	
Rotary Drilled (Usft)	279	381	**SN**	A313829	**6**	4.00	**PH**	
Drlg/Circ Hrs	8.52 / 1.23	18.02 / 0.45	**Bit #**	4	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs	0.35	1.40	**OD (in)**	12.250	**10s Gel**	5.00	**Oil/Water**	71.6 / 28.4
Rotary Drilling Hrs	8.17	16.62	**TFA**	1.143	**Temp(F)**	108.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	34.16 / 22.86	22.93 / 20.71	**Grade In**	New	**PV**	12.00	**Gas %**	0.00
BRT Hrs	21.00	10.25	**Grade Out**	3-7-FC-S-X-1/16-BT-PR	**YP**	8.00		
%Slide	2.79	16.86	**Make**	Reed Hycalog	**Viscosity**	48.00		
%Rotary	97.21	221.51	**Model**	TKF76-T10	**Chlorides**	39000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Reed TKF76-T10 - 1.14 (8x12, 2x13)	12.250				200.00	1.50	1.50
9 Power drive RSS	8.390	5.250			165.00	13.79	15.29
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	22.82
8 Filter Sub	8.000	2.875			142.00	5.63	28.45
9 5/8 Bico 7/8 4.8 STR Pin Down 12 1/8 NBS	9.500				226.00	42.47	70.92
8 UBHO	8.060	2.875			142.00	4.08	75.00
8 NMDC	7.960	3.750			142.00	28.55	103.55
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	111.92
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	119.97
8" DC (2 Stands)	8.000	2.875			150.00	181.87	301.84
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	304.54
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	761.38
6.5" Filter Sub	6.420	2.812			95.00	5.33	766.71
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	770.22
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1719.29

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0051			7/8	0.00	0.00	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
8001.00	5.35	197.01	7996.36	-70.61	-59.63	0.16	165.45	53.24	-0.16	0.43	90.00
8091.00	5.26	203.23	8085.98	-78.42	-62.48	0.65	101.98	55.41	-0.10	6.91	90.00
8181.00	4.83	207.41	8175.63	-85.57	-65.85	0.63	141.54	58.14	-0.48	4.64	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	38.98	50.00	20.00	104.00	800.00	4700.00	4500.00	202.00	285.00	280.00	275.00	6.00	10.00
Run	38.98	50.00	20.00	104.00	800.00	4700.00	4500.00	202.00	285.00	280.00	275.00	6.00	10.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics					
Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/04/2025	00:00	00:14	0.23	8026.00	8026.00	0.00	INT	4: 12.25 Orbit Intermediate #2	6A	TIH
05/04/2025	00:14	01:05	0.85	8026.00	8088.00	62.00	INT	4: 12.25 Orbit Intermediate #2	2K	Rotary Drill f/8026.00 t/8088.00, w/WOB 50.00,Flow 800.00, RPM 40.00, Press 5100.00, Tq 18.00, ROP 72.94, Diff 700.00 - DL @ 8026 TF=135 SR=25% (gravity mode)
05/04/2025	01:05	01:10	0.08	8088.00	8088.00	0.00	INT	4: 12.25 Orbit Intermediate #2	10D	Survey & Connection
05/04/2025	01:10	03:16	2.10	8088.00	8141.00	53.00	INT	4: 12.25 Orbit Intermediate #2	2K	Rotary Drill f/8088.00 t/8141.00, w/WOB 60.00,Flow 800.00, RPM 45.00, Press 5100.00, Tq 13.00, ROP 25.24, Diff 829.00 - DL Twice SR 10% Increase
05/04/2025	03:16	04:30	1.23	8141.00	8141.00	0.00	INT	4: 12.25 Orbit Intermediate #2	5A	Clean Hole and send Slug
05/04/2025	04:30	07:45	3.25	8141.00	8141.00	0.00	INT	4: 12.25 Orbit Intermediate #2	6B	TOOH
05/04/2025	07:45	10:45	3.00	8141.00	8141.00	0.00	INT	4: 12.25 Orbit Intermediate #2	6P	L/D BHA #4
05/04/2025	10:45	11:15	0.50	8141.00	8141.00	0.00	INT		24A	Get new BHA tools to rig floor
05/04/2025	11:15	13:45	2.50	8141.00	8141.00	0.00	INT	5: 12.25 Intermediate	6O	P/U BHA #5
05/04/2025	13:45	18:12	4.45	8141.00	8141.00	0.00	INT	5: 12.25 Intermediate	6A	RIH
05/04/2025	18:12	18:27	0.25	8141.00	8152.00	11.00	INT	5: 12.25 Intermediate	2K	Rotary Drill f/8141.00 t/8152.00, w/WOB 50.00,Flow 800.00, RPM 20.00, Press 4700.00, Tq 6.00, ROP 44.00, Diff 200.00
05/04/2025	18:27	18:35	0.13	8152.00	8152.00	0.00	INT	5: 12.25 Intermediate	10D	Survey & Connection
05/04/2025	18:35	21:42	3.12	8152.00	8242.00	90.00	INT	5: 12.25 Intermediate	2K	Rotary Drill f/8152.00 t/8242.00, w/WOB 50.00,Flow 800.00, RPM 20.00, Press 4700.00, Tq 6.00, ROP 28.88, Diff 200.00
05/04/2025	21:42	21:48	0.10	8242.00	8242.00	0.00	INT	5: 12.25 Intermediate	10D	Survey & Connection
05/04/2025	21:48	22:09	0.35	8242.00	8250.00	8.00	INT	5: 12.25 Intermediate	2J	Slide Drill f/8242.00 t/8250.00, TF 310.00M, w/WOB 55.00,Flow 800.00, Press 4700.00, Tq 6.00, ROP 22.86, Diff 200.00
05/04/2025	22:09	24:00	1.85	8250.00	8313.00	63.00	INT	5: 12.25 Intermediate	2K	Rotary Drill f/8250.00 t/8313.00, w/WOB 50.00,Flow 800.00, RPM 20.00, Press 4700.00, Tq 6.00, ROP 34.05, Diff 200.00

Daily Drilling Report 05/05/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	10	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/05/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Intermediate, TOOH, Change Bit, TIH

24Hr Lookahead

TIH, Drill Intermediate

Drilling Summary	24Hr (BHA 6/BHA 5)	Run (BHA 6)	Casing Data		Fluids			
Start Depth (Usft)	8313.00	8551.00	**Csg Shoe MD(Usft)**		**600**	32.00	**%Sand**	
End Depth (Usft)	8551.00	8551.00	**OD (in)**		**300**	20.00	**%Solids**	12.00
Total Drilled (Usft)	238		**Weight (lb/ft)**		**200**	15.00	**Weight (ppg)**	9.50
Slide Drilled (Usft)	21	11	**Bit Data**		**100**	10.00	**Fluid Loss**	
Rotary Drilled (Usft)	217	773	**SN**	5363078	**6**	4.00	**PH**	
Drlg/Circ Hrs	12.45 / 0.45	19.78 / 0.00	**Bit #**	5	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs	1.05	1.25	**OD (in)**	12.250	**10s Gel**	4.00	**Oil/Water**	73.9 / 26.1
Rotary Drilling Hrs	11.40	18.53	**TFA**	1.301	**Temp(F)**	145.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	19.04 / 20.00	41.71 / 8.80	**Grade In**	New	**PV**	12.00	**Gas %**	0.00
BRT Hrs	22.00	2.00	**Grade Out**	1-1-CT-A-E-I-NO-BHA	**YP**	8.00		
%Slide	8.82		**Make**	Baker Hughes	**Viscosity**	44.00		
%Rotary	91.18		**Model**	K6M525	**Chlorides**	43000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Baker Hughes - 1.30 (4x18, 4x10)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.540				226.00	36.12	37.62
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.15
8 UBHO	8.060	2.875			142.00	4.08	49.23
8 NMDC	7.960	3.750			142.00	28.55	77.78
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.15
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.20
8 Filter Sub	8.000	2.875			142.00	5.63	99.83
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.70
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.40
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.24
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.75
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.82

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0033	BICO	9.63 SSS100-B5	7/8	7.98	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
8271.00	4.67	209.01	8265.32	-92.14	-69.37	0.23	141.17	61.08	-0.18	1.78	90.00
8361.00	4.17	211.63	8355.05	-98.13	-72.87	0.60	159.31	64.04	-0.56	2.91	90.00
8450.00	4.00	216.54	8443.82	-103.38	-76.41	0.44	118.36	67.11	-0.19	5.52	89.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	19.12	57.00	23.75	108.00	800.00	4666.67	4366.67	202.00	285.00	280.00	275.00	6.00	11.50
Run	22.76	54.00	22.14	106.00	800.00	4680.00	4420.00	202.00	285.00	280.00	275.00	6.00	10.86

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/05/2025	00:00	00:25	0.42	8313.00	8332.00	19.00	INT	5: 12.25 Intermediate	2K	Rotary Drill f/8313.00 t/8332.00, w/WOB 50.00,Flow 800.00, RPM 20.00, Press 4700.00, Tq 6.00, ROP 45.60, Diff 200.00
05/05/2025	00:25	00:31	0.10	8332.00	8332.00	0.00	INT	5: 12.25 Intermediate	10D	Survey & Connection
05/05/2025	00:31	01:00	0.48	8332.00	8343.00	11.00	INT	5: 12.25 Intermediate	2J	Slide Drill f/8332.00 t/8343.00, TF 340.00M, w/WOB 55.00,Flow 800.00, Press 4700.00, Tq 6.00, ROP 22.76, Diff 200.00
05/05/2025	01:00	04:59	3.98	8343.00	8422.00	79.00	INT	5: 12.25 Intermediate	2K	Rotary Drill f/8343.00 t/8422.00, w/WOB 58.00,Flow 800.00, RPM 25.00, Press 4650.00, Tq 6.00, ROP 19.83, Diff 350.00
05/05/2025	04:59	05:05	0.10	8422.00	8422.00	0.00	INT	5: 12.25 Intermediate	10D	Survey & Connection
05/05/2025	05:05	05:39	0.57	8422.00	8432.00	10.00	INT	5: 12.25 Intermediate	2J	Slide Drill f/8422.00 t/8432.00, TF 330.00M, w/WOB 60.00,Flow 800.00, Press 4650.00, Tq 6.00, ROP 17.65, Diff 350.00
05/05/2025	05:39	10:54	5.25	8432.00	8511.00	79.00	INT	5: 12.25 Intermediate	2K	Rotary Drill f/8432.00 t/8511.00, w/WOB 60.00,Flow 800.00, RPM 25.00, Press 4650.00, Tq 6.00, ROP 15.05, Diff 350.00
05/05/2025	10:54	11:08	0.23	8511.00	8511.00	0.00	INT	5: 12.25 Intermediate	10D	Survey & Connection
05/05/2025	11:08	12:53	1.75	8511.00	8551.00	40.00	INT	5: 12.25 Intermediate	2K	Rotary Drill f/8511.00 t/8551.00, w/WOB 60.00,Flow 800.00, RPM 25.00, Press 4650.00, Tq 6.00, ROP 22.86, Diff 350.00
05/05/2025	12:53	13:20	0.45	8551.00	8551.00	0.00	INT	5: 12.25 Intermediate	5A	Circulate Dry Job
05/05/2025	13:20	17:00	3.67	8551.00	8551.00	0.00	INT	5: 12.25 Intermediate	6B	POOH to change bit
05/05/2025	17:00	20:00	3.00	8551.00	8551.00	0.00	INT	5: 12.25 Intermediate	6P	Laydown BHA
05/05/2025	20:00	20:30	0.50	8551.00	8551.00	0.00	INT		8P	Rig Service
05/05/2025	20:30	22:00	1.50	8551.00	8551.00	0.00	INT	6: 12.25 Intermediate	6O	Pick up BHA
05/05/2025	22:00	24:00	2.00	8551.00	8551.00	0.00	INT	6: 12.25 Intermediate	6A	TIH

Daily Drilling Report 05/06/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	11	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/06/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

TIH, Drill Intermediate

24Hr Lookahead

Drill Intermediate

Drilling Summary	24Hr (BHA 6)	Run (BHA 6)	Casing Data		Fluids			
Start Depth (Usft)	8551.00	8551.00	**Csg Shoe MD(Usft)**		**600**	35.00	**%Sand**	
End Depth (Usft)	9335.00	9335.00	**OD (in)**		**300**	22.00	**%Solids**	13.00
Total Drilled (Usft)	784	784	**Weight (lb/ft)**		**200**	16.00	**Weight (ppg)**	9.90
Slide Drilled (Usft)	11	16	**Bit Data**		**100**	10.00	**Fluid Loss**	
Rotary Drilled (Usft)	773	880	**SN**	58982	**6**	5.00	**PH**	
Drlg/Circ Hrs	19.78 / 0.00	27.35 / 0.77	**Bit #**	6	**3**	4.00	**Mud Type**	TEROS
Slide Drilling Hrs	1.25	2.95	**OD (in)**	12.250	**10s Gel**	5.00	**Oil/Water**	73.6 / 26.4
Rotary Drilling Hrs	18.53	24.40	**TFA**	0.907	**Temp(F)**	155.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	41.71 / 8.80	36.07 / 5.42	**Grade In**	New	**PV**	13.00	**Gas %**	0.00
BRT Hrs	24.00	26.00	**Grade Out**	1-3-CT-S-X-I-WT-PR	**YP**	9.00		
%Slide	1.40	2.04	**Make**	Ulterra	**Viscosity**	42.00		
%Rotary	98.60	112.24	**Model**	SSS100-B5	**Chlorides**	43000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jake Hopper	Kolton Tobin	Garhett Sikes										
Brett Curtis	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 - 0.91 (7x13)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.540				226.00	36.12	37.62
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.15
8 UBHO	8.060	2.875			142.00	4.08	49.23
8 NMDC	7.960	3.750			142.00	28.55	77.78
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.15
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.20
8 Filter Sub	8.000	2.875			142.00	5.63	99.83
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.70
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.40
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.24
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.75
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.82

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0033	BICO	9.63 SSS100-B5	7/8	7.98	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
8540.00	4.03	216.17	8533.60	-108.45	-80.15	0.04	-41.00	70.39	0.03	-0.41	90.00
8630.00	3.76	215.65	8623.39	-113.40	-83.73	0.30	-172.81	73.53	-0.30	-0.58	90.00
8719.00	3.52	215.84	8712.22	-117.99	-87.03	0.27	177.22	76.42	-0.27	0.21	89.00
8809.00	3.16	218.62	8802.06	-122.17	-90.20	0.44	157.16	79.21	-0.40	3.09	90.00
8899.00	3.17	220.63	8891.93	-125.99	-93.37	0.12	85.85	82.03	0.01	2.23	90.00
8988.00	3.02	218.53	8980.80	-129.70	-96.43	0.21	-143.96	84.76	-0.17	-2.36	89.00
9078.00	2.76	218.33	9070.68	-133.25	-99.25	0.29	-177.88	87.26	-0.29	-0.22	90.00
9168.00	2.63	219.22	9160.58	-136.55	-101.90	0.15	162.60	89.61	-0.14	0.99	90.00
9257.00	2.57	218.49	9249.49	-139.69	-104.43	0.08	-151.47	91.86	-0.07	-0.82	89.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	39.63	66.27	44.55	129.00	800.00	5000.00	4591.67	202.00	297.50	285.00	285.00	14.82	7.00
Run	32.76	66.27	44.55	129.00	800.00	5000.00	4591.67	202.00	297.50	285.00	285.00	14.82	7.00

MWD Data							
Tool	**SN**	**Type**	**Version**	**MWD Details**		**Battery Details**	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics					
Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	**From**	**To**	**Hrs**	**Start (Usft)**	**End (Usft)**	**CL**	**Phase**	**BHA**	**Code**	**Description**
05/06/2025	00:00	02:46	2.77	8551.00	8551.00	0.00	INT	6: 12.25 Intermediate	6A	TIH
05/06/2025	02:46	03:26	0.67	8551.00	8601.00	50.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/8551.00 t/8601.00, w/WOB 50.00,Flow 800.00, RPM40.00, Press 5000.00, Tq 19.00, ROP 75.00, Diff 500.00
05/06/2025	03:26	03:33	0.12	8601.00	8601.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	03:33	04:50	1.28	8601.00	8691.00	90.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/8601.00 t/8691.00, w/WOB 63.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 20.00, ROP 70.13, Diff 400.00
05/06/2025	04:50	04:58	0.13	8691.00	8691.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	04:58	05:54	0.93	8691.00	8780.00	89.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/8691.00 t/8780.00, w/WOB 63.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 20.00, ROP 95.36, Diff 400.00
05/06/2025	05:54	06:04	0.17	8780.00	8780.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	06:04	07:04	1.00	8780.00	8870.00	90.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/8780.00 t/8870.00, w/WOB 63.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 90.00, Diff 400.00
05/06/2025	07:04	07:10	0.10	8870.00	8870.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	07:10	08:31	1.35	8870.00	8960.00	90.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/8870.00 t/8960.00, w/WOB 70.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 66.67, Diff 400.00
05/06/2025	08:31	08:37	0.10	8960.00	8960.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	08:37	10:06	1.48	8960.00	9049.00	89.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/8960.00 t/9049.00, w/WOB 70.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 60.00, Diff 400.00
05/06/2025	10:06	10:11	0.08	9049.00	9049.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	10:11	12:01	1.83	9049.00	9103.00	54.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/9049.00 t/9103.00, w/WOB 70.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 29.45, Diff 400.00
05/06/2025	12:01	12:16	0.25	9103.00	9103.00	0.00	INT	6: 12.25 Intermediate	8A	Pump Repair
05/06/2025	12:16	13:48	1.53	9103.00	9139.00	36.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/9103.00 t/9139.00, w/WOB 70.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 23.48, Diff 400.00
05/06/2025	13:48	13:54	0.10	9139.00	9139.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	13:54	17:48	3.90	9139.00	9229.00	90.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/9139.00 t/9229.00, w/WOB 70.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 23.08, Diff 400.00
05/06/2025	17:48	17:54	0.10	9229.00	9229.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	17:54	21:42	3.80	9229.00	9318.00	89.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/9229.00 t/9318.00, w/WOB 70.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 23.42, Diff 400.00
05/06/2025	21:42	22:00	0.30	9318.00	9318.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/06/2025	22:00	23:15	1.25	9318.00	9329.00	11.00	INT	6: 12.25 Intermediate	2J	Slide Drill f/9318.00 t/9329.00, TF 230.00M, w/WOB 60.00,Flow 800.00, Press 5000.00, Tq 13.00, ROP 8.80, Diff 400.00
05/06/2025	23:15	24:00	0.75	9329.00	9335.00	6.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/9329.00 t/9335.00, w/WOB 70.00,Flow 800.00, RPM45.00, Press 5000.00, Tq 13.00, ROP 8.00, Diff 400.00

Daily Drilling Report 05/07/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	12	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/07/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Intermediate, TOOH, Change BHA, TIH Drill INT

24Hr Lookahead

Drill Intermediate

Drilling Summary	24Hr (BHA 7/BHA 6)	Run (BHA 7)	Casing Data		Fluids			
Start Depth (Usft)	9335.00	9447.00	**Csg Shoe MD(Usft)**		**600**	35.00	**%Sand**	
End Depth (Usft)	9502.00	9502.00	**OD (in)**		**300**	22.00	**%Solids**	14.50
Total Drilled (Usft)	167	55	**Weight (lb/ft)**		**200**	15.00	**Weight (ppg)**	9.90
Slide Drilled (Usft)	9	78	**Bit Data**		**100**	10.00	**Fluid Loss**	
Rotary Drilled (Usft)	158	266	**SN**	58982	**6**	4.00	**PH**	
Drlg/Circ Hrs	9.03 / 0.77	16.50 / 0.00	**Bit #**	6	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs	1.78	6.52	**OD (in)**	12.250	**10s Gel**	8.00	**Oil/Water**	74.9 / 25.1
Rotary Drilling Hrs	7.25	9.98	**TFA**	0.907	**Temp(F)**	144.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	21.79 / 5.05	26.64 / 11.97	**Grade In**	New	**PV**	13.00	**Gas %**	0.00
BRT Hrs	21.50	7.25	**Grade Out**	1-3-CT-S-X-I-WT-PR	**YP**	9.00		
%Slide	5.39	141.82	**Make**	Ulterra	**Viscosity**	45.00		
%Rotary	94.61	483.64	**Model**	SSS100-B5	**Chlorides**	38000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kolton Tobin	Garhett Sikes										
Jake Hopper	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 - 0.91 (7x13)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.540				226.00	36.12	37.62
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.15
8 UBHO	8.060	2.875			142.00	4.08	49.23
8 NMDC	7.960	3.750			142.00	28.55	77.78
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.15
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.20
8 Filter Sub	8.000	2.875			142.00	5.63	99.83
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.70
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.40
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.24
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.75
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.82

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0033	BICO	9.63 SSS100-B5	7/8	7.98	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
9347.00	2.55	220.11	9339.40	-142.80	-106.98	0.08	106.26	94.13	-0.02	1.80	90.00
9437.00	2.57	216.29	9429.31	-145.96	-109.46	0.19	-85.22	96.33	0.02	-4.24	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	14.80	65.00	30.00	114.00	800.00	5050.00	4500.00	202.00	310.00	305.00	300.00	13.50	7.00
Run	32.76	65.00	30.00	114.00	800.00	5050.00	4500.00	202.00	310.00	305.00	300.00	13.50	7.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/07/2025	00:00	03:49	3.82	9335.00	9408.00	73.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/9335.00 t/9408.00, w/WOB 70.00,Flow 800.00, RPM 45.00, Press 5000.00, Tq 13.00, ROP 19.13, Diff 400.00
05/07/2025	03:49	04:02	0.22	9408.00	9408.00	0.00	INT	6: 12.25 Intermediate	10D	Survey & Connection
05/07/2025	04:02	05:44	1.70	9408.00	9413.00	5.00	INT	6: 12.25 Intermediate	2J	Slide Drill f/9408.00 t/9413.00, TF 220.00M, w/WOB 60.00,Flow 800.00, Press 5000.00, Tq 13.00, ROP 2.94, Diff 400.00
05/07/2025	05:44	07:47	2.05	9413.00	9447.00	34.00	INT	6: 12.25 Intermediate	2K	Rotary Drill f/9413.00 t/9447.00, w/WOB 70.00,Flow 800.00, RPM 45.00, Press 5000.00, Tq 13.00, ROP 16.59, Diff 400.00
05/07/2025	07:47	08:33	0.77	9447.00	9447.00	0.00	INT	6: 12.25 Intermediate	5A	Circulate & Pump Slug
05/07/2025	08:33	12:30	3.95	9447.00	9447.00	0.00	INT	6: 12.25 Intermediate	6B	POOH
05/07/2025	12:30	14:15	1.75	9447.00	9447.00	0.00	INT	6: 12.25 Intermediate	6P	L/D BHA #6
05/07/2025	14:15	16:45	2.50	9447.00	9447.00	0.00	INT	7: 12.25 Intermediate	6O	P/U BHA #7
05/07/2025	16:45	22:25	5.67	9447.00	9447.00	0.00	INT	7: 12.25 Intermediate	6A	RIH
05/07/2025	22:25	23:48	1.38	9447.00	9498.00	51.00	INT	7: 12.25 Intermediate	2K	Rotary Drill f/9447.00 t/9498.00, w/WOB 65.00,Flow 800.00, RPM 30.00, Press 5050.00, Tq 13.50, ROP 36.87, Diff 550.00
05/07/2025	23:48	23:55	0.12	9498.00	9498.00	0.00	INT	7: 12.25 Intermediate	10D	Survey & Connection
05/07/2025	23:55	24:00	0.08	9498.00	9502.00	4.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9498.00 t/9502.00, TF 217.00M, w/WOB 65.00,Flow 800.00, Press 5050.00, Tq 13.50, ROP 48.00, Diff 550.00

Daily Drilling Report 05/08/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	13	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/08/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Intermediate

24Hr Lookahead

Drill Intermediate

Drilling Summary	24Hr (BHA 7)	Run (BHA 7)	Casing Data		Fluids			
Start Depth (Usft)	9502.00	9447.00	**Csg Shoe MD(Usft)**		**600**	40.00	**%Sand**	
End Depth (Usft)	9791.00	9791.00	**OD (in)**		**300**	24.00	**%Solids**	14.00
Total Drilled (Usft)	289	344	**Weight (lb/ft)**		**200**	18.00	**Weight (ppg)**	10.15
Slide Drilled (Usft)	74	87	**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)	215	271	**SN**	5362474	**6**	4.00	**PH**	
Drlg/Circ Hrs	15.03 / 0.00	18.32 / 0.93	**Bit #**	7	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs	6.43	7.83	**OD (in)**	12.250	**10s Gel**	6.00	**Oil/Water**	74.9 / 25.1
Rotary Drilling Hrs	8.60	10.48	**TFA**	1.114	**Temp(F)**	140.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	25.00 / 11.50	25.85 / 11.11	**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	24.00	31.25	**Grade Out**	1-2-CT-S-E-I-WT-PR	**YP**	8.00		
%Slide	25.61	25.29	**Make**	Baker Hughes	**Viscosity**	48.00		
%Rotary	74.39	78.78	**Model**	K5M636	**Chlorides**	33000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kolton Tobin	Garhett Sikes										
Jake Hopper	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Baker Hughes - 1.11 (3x14, 6x12)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.640				226.00	36.19	37.69
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.22
8 UBHO	8.060	2.875			142.00	4.08	49.30
8 NMDC	7.960	3.750			142.00	28.55	77.85
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.22
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.27
8 Filter Sub	8.000	2.875			142.00	5.63	99.90
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.77
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.47
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.31
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.82
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.89

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0040	BICO		7/8	7.98	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
9526.00	3.36	218.95	9518.19	-149.60	-112.28	0.90	11.21	98.82	0.89	2.99	89.00
9616.00	3.55	217.82	9608.03	-153.85	-115.65	0.22	-20.28	101.80	0.21	-1.26	90.00
9705.00	4.09	216.71	9696.83	-158.57	-119.24	0.61	-8.35	104.96	0.61	-1.25	89.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	19.22	63.33	30.00	114.00	800.00	5050.00	4500.00	202.00	310.00	305.00	300.00	16.50	7.00
Run	19.55	63.75	30.00	114.00	800.00	5050.00	4500.00	202.00	310.00	305.00	300.00	15.75	7.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/08/2025	00:00	00:36	0.60	9502.00	9518.00	16.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9502.00 t/9518.00, TF 217.00M, w/WOB 65.00,Flow 800.00, Press 5050.00, Tq 13.50, ROP 26.67, Diff 550.00
05/08/2025	00:36	02:38	2.03	9518.00	9587.00	69.00	INT	7: 12.25 Intermediate	2K	Rotary Drill f/9518.00 t/9587.00, w/WOB 65.00,Flow 800.00, RPM 30.00, Press 5050.00, Tq 16.50, ROP 33.93, Diff 550.00
05/08/2025	02:38	02:44	0.10	9587.00	9587.00	0.00	INT	7: 12.25 Intermediate	10D	Survey & Connection
05/08/2025	02:44	02:56	0.20	9587.00	9595.00	8.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9587.00 t/9595.00, TF 200.00M, w/WOB 65.00,Flow 800.00, Press 5050.00, Tq 16.50, ROP 40.00, Diff 550.00
05/08/2025	02:56	06:00	3.07	9595.00	9677.00	82.00	INT	7: 12.25 Intermediate	2K	Rotary Drill f/9595.00 t/9677.00, w/WOB 65.00,Flow 800.00, RPM 30.00, Press 5050.00, Tq 16.50, ROP 26.74, Diff 550.00
05/08/2025	06:00	06:11	0.18	9677.00	9677.00	0.00	INT	7: 12.25 Intermediate	10D	Survey & Connection
05/08/2025	06:11	07:43	1.53	9677.00	9692.00	15.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9677.00 t/9692.00, TF 200.00M, w/WOB 60.00,Flow 800.00, Press 5050.00, Tq 16.50, ROP 9.78, Diff 550.00
05/08/2025	07:43	09:10	1.45	9692.00	9692.00	0.00	INT	7: 12.25 Intermediate	8A	Pump Repair
05/08/2025	09:10	10:00	0.83	9692.00	9702.00	10.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9692.00 t/9702.00, TF 220.00M, w/WOB 60.00,Flow 800.00, Press 5050.00, Tq 16.50, ROP 9.84, Diff 550.00
05/08/2025	10:00	16:50	6.83	9702.00	9702.00	0.00	INT	7: 12.25 Intermediate	27A	Shut In & Check Pressures & Mud Up
05/08/2025	16:50	20:20	3.50	9702.00	9766.00	64.00	INT	7: 12.25 Intermediate	2K	Rotary Drill f/9702.00 t/9766.00, w/WOB 60.00,Flow 800.00, RPM 0.00, Press 5050.00, Tq 16.50, ROP 18.29, Diff 550.00
05/08/2025	20:20	20:44	0.40	9766.00	9766.00	0.00	INT	7: 12.25 Intermediate	10D	Survey & Connection
05/08/2025	20:44	24:00	3.27	9766.00	9791.00	25.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9766.00 t/9791.00, TF 0.00G, w/WOB 60.00,Flow 800.00, Press 5050.00, Tq 16.50, ROP 7.65, Diff 550.00

Daily Drilling Report 05/09/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	14	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/09/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Intermediate, TOH, LD BHA, Replace annular and test, NU BOP

24Hr Lookahead

PU BHA, TIH Drill Intermediate

Drilling Summary	24Hr (BHA 7)	Run (BHA 7)	Casing Data		Fluids			
Start Depth (Usft)	9791.00	9447.00	**Csg Shoe MD(Usft)**		**600**	40.00	**%Sand**	
End Depth (Usft)	9805.00	9805.00	**OD (in)**		**300**	24.00	**%Solids**	14.00
Total Drilled (Usft)	14	358	**Weight (lb/ft)**		**200**	18.00	**Weight (ppg)**	10.15
Slide Drilled (Usft)	9	87	**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)	5	271	**SN**	5362474	**6**	4.00	**PH**	
Drlg/Circ Hrs	1.82 / 0.93	18.32 / 0.93	**Bit #**	7	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs	1.32	7.83	**OD (in)**	12.250	**10s Gel**	6.00	**Oil/Water**	74.9 / 25.1
Rotary Drilling Hrs	0.50	10.48	**TFA**	1.114	**Temp(F)**	140.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	10.00 / 6.84	25.85 / 11.11	**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	24.00	39.75	**Grade Out**	1-2-CT-S-E-I-WT-PR	**YP**	8.00		
%Slide	64.29	24.30	**Make**	Baker Hughes	**Viscosity**	48.00		
%Rotary	35.71	75.70	**Model**	K5M636	**Chlorides**	33000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kolton Tobin	Garhett Sikes										
Jake Hopper	Kenneth Looper	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Baker Hughes - 1.11 (3x14, 6x12)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.640				226.00	36.19	37.69
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.22
8 UBHO	8.060	2.875			142.00	4.08	49.30
8 NMDC	7.960	3.750			142.00	28.55	77.85
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.22
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.27
8 Filter Sub	8.000	2.875			142.00	5.63	99.90
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.77
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.47
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.31
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.82
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.89

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0040	BICO		7/8	7.98	1.15	0.10	ADJ	4.8

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	7.71	60.00	15.00	99.00	800.00	5050.00	4500.00	202.00	310.00	305.00	300.00	16.50	7.00
Run	19.55	63.00	27.00	111.00	800.00	5050.00	4500.00	202.00	310.00	305.00	300.00	15.90	7.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/09/2025	00:00	00:40	0.67	9791.00	9794.00	3.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9791.00 t/9794.00, TF 0.00G, w/WOB 60.00,Flow 800.00, Press 5050.00, Tq 16.50, ROP 4.50, Diff 550.00
05/09/2025	00:40	01:10	0.50	9794.00	9799.00	5.00	INT	7: 12.25 Intermediate	2K	Rotary Drill f/9794.00 t/9799.00, w/WOB 60.00,Flow 800.00, RPM 15.00, Press 5050.00, Tq 16.50, ROP 10.00, Diff 550.00
05/09/2025	01:10	01:49	0.65	9799.00	9805.00	6.00	INT	7: 12.25 Intermediate	2J	Slide Drill f/9799.00 t/9805.00, TF 0.00G, w/WOB 60.00,Flow 800.00, Press 5050.00, Tq 16.50, ROP 9.23, Diff 550.00
05/09/2025	01:49	02:45	0.93	9805.00	9805.00	0.00	INT	7: 12.25 Intermediate	5A	Clean Hole, Flow Check , Pump Slug
05/09/2025	02:45	07:00	4.25	9805.00	9805.00	0.00	INT	7: 12.25 Intermediate	6B	TOOH
05/09/2025	07:00	08:30	1.50	9805.00	9805.00	0.00	INT	7: 12.25 Intermediate	6P	Laydown BHA
05/09/2025	08:30	09:00	0.50	9805.00	9805.00	0.00	INT	7: 12.25 Intermediate	24A	Clean Rig Floor
05/09/2025	09:00	20:00	11.00	9805.00	9805.00	0.00	INT	7: 12.25 Intermediate	8A	Change out Annular
05/09/2025	20:00	21:00	1.00	9805.00	9805.00	0.00	INT	7: 12.25 Intermediate	15A	Test Annular
05/09/2025	21:00	24:00	3.00	9805.00	9805.00	0.00	INT	7: 12.25 Intermediate	14A	NU rotating head and flow line

Daily Drilling Report 05/10/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	15	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/10/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

NU BOP components, PU BHA#8, TIH, Drill intermediate

24Hr Lookahead

TOOH, Change BHA, TIH, Drill Intermediate

Drilling Summary	24Hr (BHA 8)	Run (BHA 8)	Casing Data		Fluids			
Start Depth (Usft)	9805.00	9805.00	**Csg Shoe MD(Usft)**		**600**	40.00	**%Sand**	
End Depth (Usft)	10179.00	10179.00	**OD (in)**		**300**	24.00	**%Solids**	14.00
Total Drilled (Usft)	374	374	**Weight (lb/ft)**		**200**	18.00	**Weight (ppg)**	10.15
Slide Drilled (Usft)	16	16	**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)	358	358	**SN**	75227	**6**	4.00	**PH**	
Drlg/Circ Hrs	12.97 / 0.85	12.97 / 1.43	**Bit #**	8	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs	1.13	1.13	**OD (in)**	12.250	**10s Gel**	6.00	**Oil/Water**	74.9 / 25.1
Rotary Drilling Hrs	11.83	11.83	**TFA**	0.928	**Temp(F)**	140.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	30.25 / 14.12	30.25 / 14.12	**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	21.00	21.00	**Grade Out**	1-8-RR-S-X-1/16-RG-PR	**YP**	8.00		
%Slide	4.28	4.28	**Make**	Ulterra	**Viscosity**	48.00		
%Rotary	95.72	95.72	**Model**	RPS716	**Chlorides**	33000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kolton Tobin	Garhett Sikes										
Jake Hopper	Kenneth Looper	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 6.5" Gauge 10x11 Jets - 0.93 (10x11)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.640				226.00	36.19	37.69
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.22
8 UBHO	8.060	2.875			142.00	4.08	49.30
8 NMDC	7.960	3.750			142.00	28.55	77.85
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.22
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.27
8 Filter Sub	8.000	2.875			142.00	5.63	99.90
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.77
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.47
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.31
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.82
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.89

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0040			7/8	8.87	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
9795.00	3.52	223.30	9786.63	-163.16	-123.05	0.80	145.76	108.36	-0.63	7.32	90.00
9885.00	3.51	223.56	9876.46	-167.16	-126.84	0.02	122.23	111.79	-0.01	0.29	90.00
9974.00	3.34	225.03	9965.30	-170.97	-130.56	0.21	153.41	115.16	-0.19	1.65	89.00
10064.00	3.43	224.49	10055.14	-174.74	-134.30	0.11	-19.78	118.56	0.10	-0.60	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	28.84	70.00	40.00	124.00	800.00	5702.25	5175.00	202.00	315.00	310.00	300.00	18.20	6.40
Run	28.84	70.00	40.00	124.00	800.00	5702.25	5175.00	202.00	315.00	310.00	300.00	18.20	6.40

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/10/2025	00:00	01:00	1.00	9805.00	9805.00	0.00	INT		14A	Complete nipple up of rotating head assembly and flow line
05/10/2025	01:00	03:00	2.00	9805.00	9805.00	0.00	INT	8: 12.25 Intermediate	6O	PU BHA
05/10/2025	03:00	08:00	5.00	9805.00	9805.00	0.00	INT	8: 12.25 Intermediate	6A	TIH
05/10/2025	08:00	08:37	0.62	9805.00	9856.00	51.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/9804.96 t/9855.96, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5975.00, Tq 23.00, ROP 82.70, Diff 775.00, Temp 220.00
05/10/2025	08:37	09:05	0.47	9856.00	9856.00	0.00	INT	8: 12.25 Intermediate	10D	Circulate out BU / C & S
05/10/2025	09:05	09:09	0.07	9856.00	9860.00	4.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/9856.00 t/9860.00, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5975.00, Tq 23.00, ROP 60.00, Diff 775.00, Temp 220.00
05/10/2025	09:09	09:20	0.18	9860.00	9860.00	0.00	INT	8: 12.25 Intermediate	5A	Re-Shoot SVY
05/10/2025	09:20	09:36	0.27	9860.00	9866.00	6.00	INT	8: 12.25 Intermediate	2J	Slide Drill f/9860.00 t/9866.00, TF 0.00G, w/WOB 55.00,Flow 800.00, Press 5475.00, Tq 23.00, ROP 22.50, Diff 275.00, Temp 220.00
05/10/2025	09:36	09:45	0.15	9866.00	9866.00	0.00	INT	8: 12.25 Intermediate	24A	Top-Drive Brake Turns Off
05/10/2025	09:45	10:11	0.43	9866.00	9873.00	7.00	INT	8: 12.25 Intermediate	2J	Slide Drill f/9866.00 t/9873.00, TF 0.00G, w/WOB 55.00,Flow 800.00, Press 5475.00, Tq 23.00, ROP 16.15, Diff 275.00, Temp 220.00
05/10/2025	10:11	10:20	0.15	9873.00	9873.00	0.00	INT	8: 12.25 Intermediate	24A	Top-Drive Brake Turns Off
05/10/2025	10:20	10:46	0.43	9873.00	9876.00	3.00	INT	8: 12.25 Intermediate	2J	Slide Drill f/9873.00 t/9876.00, TF 0.00G, w/WOB 55.00,Flow 800.00, Press 5475.00, Tq 23.00, ROP 6.92, Diff 275.00, Temp 220.00
05/10/2025	10:46	13:27	2.68	9876.00	9940.00	64.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/9876.00 t/9940.00, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5975.00, Tq 15.00, ROP 23.85, Diff 775.00, Temp 220.00
05/10/2025	13:27	14:05	0.63	9940.00	9940.00	0.00	INT	8: 12.25 Intermediate	8A	Pump Repair
05/10/2025	14:05	14:13	0.13	9940.00	9946.00	6.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/9940.00 t/9946.00, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5975.00, Tq 15.00, ROP 45.00, Diff 775.00, Temp 220.00
05/10/2025	14:13	14:18	0.08	9946.00	9946.00	0.00	INT	8: 12.25 Intermediate	10D	Survey & Connection
05/10/2025	14:18	17:20	3.03	9946.00	10035.00	89.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/9946.00 t/10035.00, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5293.00, Tq 15.00, ROP 29.34, Diff 293.00, Temp 240.00
05/10/2025	17:20	17:26	0.10	10035.00	10035.00	0.00	INT	8: 12.25 Intermediate	10D	Survey & Connection
05/10/2025	17:26	18:23	0.95	10035.00	10062.00	27.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/10035.00 t/10062.00, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5293.00, Tq 15.00, ROP 28.42, Diff 293.00, Temp 240.00
05/10/2025	18:23	18:56	0.55	10062.00	10062.00	0.00	INT	8: 12.25 Intermediate	8A	Pump Repair
05/10/2025	18:56	21:12	2.27	10062.00	10125.00	63.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/10062.00 t/10125.00, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5293.00, Tq 15.00, ROP 27.79, Diff 293.00, Temp 240.00
05/10/2025	21:12	21:15	0.05	10125.00	10125.00	0.00	INT	8: 12.25 Intermediate	10D	Survey & Connection
05/10/2025	21:15	23:20	2.08	10125.00	10179.00	54.00	INT	8: 12.25 Intermediate	2K	Rotary Drill f/10125.00 t/10179.00, w/WOB 70.00,Flow 800.00, RPM 40.00, Press 5293.00, Tq 15.00, ROP 25.92, Diff 293.00, Temp 240.00
05/10/2025	23:20	24:00	0.67	10179.00	10179.00	0.00	INT	8: 12.25 Intermediate	5A	Circulate, build Slug

Daily Drilling Report 05/11/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	16	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/11/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Circulate, TOOH, LD BHA, PU BHA, TIH, Drill INT, TOOH

24Hr Lookahead

TOOH, Swap Bit, TIH

Drilling Summary	24Hr (BHA 9/BHA 8)	Run (BHA 9)	Casing Data		Fluids			
Start Depth (Usft)	10179.00	10179.00	**Csg Shoe MD(Usft)**		**600**	40.00	**%Sand**	
End Depth (Usft)	10352.00	10352.00	**OD (in)**		**300**	24.00	**%Solids**	14.00
Total Drilled (Usft)	173	173	**Weight (lb/ft)**		**200**	18.00	**Weight (ppg)**	10.15
Slide Drilled (Usft)			**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)	173	173	**SN**	75227	**6**	4.00	**PH**	
Drlg/Circ Hrs	4.88 / 1.68	4.88 / 1.10	**Bit #**	8	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	6.00	**Oil/Water**	74.9 / 25.1
Rotary Drilling Hrs	4.88	4.88	**TFA**	0.928	**Temp(F)**	140.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	35.43 / 0.00	35.43 / 0.00	**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	21.00	13.50	**Grade Out**	1-8-RR-S-X-1/16-RG-PR	**YP**	8.00		
%Slide			**Make**	Ulterra	**Viscosity**	48.00		
%Rotary	100.00	100.00	**Model**	RPS716	**Chlorides**	33000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kolton Tobin	Garhett Sikes										
Jake Hopper	Kenneth Looper	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 6.5" Gauge 10x11 Jets - 0.93 (10x11)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.640				226.00	36.19	37.69
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.22
8 UBHO	8.060	2.875			142.00	4.08	49.30
8 NMDC	7.960	3.750			142.00	28.55	77.85
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.22
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.27
8 Filter Sub	8.000	2.875			142.00	5.63	99.90
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.77
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.47
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.31
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.82
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.89

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0040			7/8	8.87	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
10154.00	3.23	225.84	10144.99	-178.43	-138.00	0.24	159.26	121.93	-0.22	1.50	90.00
10244.00	3.20	226.70	10234.85	-181.92	-141.65	0.06	122.31	125.26	-0.03	0.96	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	70.00	40.00	124.00	800.00	5702.25	5175.00	202.00	315.00	310.00	300.00	18.20	6.40
Run	28.84	70.00	40.00	124.00	800.00	5702.25	5175.00	202.00	315.00	310.00	300.00	18.20	6.40

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/11/2025	00:00	00:35	0.58	10179.00	10179.00	0.00	INT	8: 12.25 Intermediate	5A	Circulate, Pump Slug
05/11/2025	00:35	06:00	5.42	10179.00	10179.00	0.00	INT	8: 12.25 Intermediate	6B	TOOH
05/11/2025	06:00	07:30	1.50	10179.00	10179.00	0.00	INT	8: 12.25 Intermediate	6P	LD BHA
05/11/2025	07:30	07:45	0.25	10179.00	10179.00	0.00	INT		24A	Clean Prep Rig Floor
05/11/2025	07:45	08:15	0.50	10179.00	10179.00	0.00	INT		8P	Service Rig
05/11/2025	08:15	10:30	2.25	10179.00	10179.00	0.00	INT	9: 12.25 Intermediate	6O	P/U BHA
05/11/2025	10:30	15:45	5.25	10179.00	10179.00	0.00	INT	9: 12.25 Intermediate	6A	RIH
05/11/2025	15:45	15:48	0.05	10179.00	10179.00	0.00	INT	9: 12.25 Intermediate	5A	Fill Pipe
05/11/2025	15:48	16:00	0.20	10179.00	10209.00	30.00	INT	9: 12.25 Intermediate	2K	Rotary Drill f/10179.00 t/10209.00, w/WOB 60.00,Flow 800.00, RPM45.00, Press 5770.00, Tq 22.00, ROP 150.00, Diff 320.00, Temp 230.00
05/11/2025	16:00	17:19	1.32	10209.00	10209.00	0.00	INT	9: 12.25 Intermediate	8A	Pump Repair
05/11/2025	17:19	17:21	0.03	10209.00	10215.00	6.00	INT	9: 12.25 Intermediate	2K	Rotary Drill f/10209.00 t/10215.00, w/WOB 60.00,Flow 800.00, RPM45.00, Press 5350.00, Tq 22.00, ROP 180.00, Diff 350.00, Temp 230.00
05/11/2025	17:21	17:27	0.10	10215.00	10215.00	0.00	INT	9: 12.25 Intermediate	10D	Survey & Connection
05/11/2025	17:27	19:43	2.27	10215.00	10305.00	90.00	INT	9: 12.25 Intermediate	2K	Rotary Drill f/10215.00 t/10305.00, w/WOB 65.00,Flow 800.00, RPM40.00, Press 5350.00, Tq 22.00, ROP 39.71, Diff 550.00, Temp 230.00
05/11/2025	19:43	19:49	0.10	10305.00	10305.00	0.00	INT	9: 12.25 Intermediate	10D	Survey & Connection
05/11/2025	19:49	22:12	2.38	10305.00	10352.00	47.00	INT	9: 12.25 Intermediate	2K	Rotary Drill f/10305.00 t/10352.00, w/WOB 65.00,Flow 800.00, RPM40.00, Press 5350.00, Tq 22.00, ROP 19.72, Diff 350.00, Temp 230.00
05/11/2025	22:12	23:15	1.05	10352.00	10352.00	0.00	INT	9: 12.25 Intermediate	5A	Circulate, build and pump slug
05/11/2025	23:15	24:00	0.75	10352.00	10352.00	0.00	INT	9: 12.25 Intermediate	6B	TOOH

Daily Drilling Report 05/12/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	17	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/12/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

TOOH, Change BHA, TIH

Drilling Summary	24Hr (BHA 10/BHA 9)	Run (BHA 10)	Casing Data		Fluids			
Start Depth (Usft)	10352.00	10352.00	**Csg Shoe MD(Usft)**		**600**	40.00	**%Sand**	
End Depth (Usft)	10878.00	10878.00	**OD (in)**		**300**	24.00	**%Solids**	14.00
Total Drilled (Usft)	526	526	**Weight (lb/ft)**		**200**	18.00	**Weight (ppg)**	10.15
Slide Drilled (Usft)			**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)	526	578	**SN**	A313828	**6**	4.00	**PH**	
Drlg/Circ Hrs	10.93 / 0.13	15.13 / 1.05	**Bit #**	9	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	6.00	**Oil/Water**	74.9 / 25.1
Rotary Drilling Hrs	10.93	15.13	**TFA**	1.143	**Temp(F)**	140.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	48.11 / 0.00	38.19 / 0.00	**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	22.75	16.75	**Grade Out**	2-8-NR-G-X-1/16-RG-PR	**YP**	8.00		
%Slide			**Make**	Reed Hycalog	**Viscosity**	48.00		
%Rotary	100.00	109.89	**Model**	TKF76-T10	**Chlorides**	33000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kolton Tobin	Garhett Sikes										
Jake Hopper	Kenneth Looper	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Reed TKF76-T10 8x12,2x13 Jets (1.143 TFA) - 1.14 (8x12, 2x13)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	9.680				226.00	36.24	37.74
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.27
8 UBHO	8.060	2.875			142.00	4.08	49.35
8 NMDC	7.960	3.750			142.00	28.55	77.90
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.27
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.32
8 Filter Sub	8.000	2.875			142.00	5.63	99.95
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.82
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.52
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.36
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.87
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.94

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0011			7/8	8.87	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
10333.00	3.12	228.82	10323.72	-185.22	-145.28	0.16	125.45	128.59	-0.09	2.38	89.00
10423.00	3.10	228.34	10413.58	-188.45	-148.94	0.04	-127.76	131.95	-0.02	-0.53	90.00
10513.00	3.04	230.14	10503.45	-191.59	-152.59	0.13	122.79	135.31	-0.07	2.00	90.00
10603.00	3.02	229.85	10593.33	-194.65	-156.24	0.03	-142.68	138.68	-0.02	-0.32	90.00
10692.00	2.82	229.00	10682.21	-197.60	-159.68	0.23	-168.21	141.85	-0.22	-0.96	89.00
10782.00	2.86	228.26	10772.10	-200.55	-163.03	0.06	-42.88	144.93	0.04	-0.82	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	60.00	30.00	114.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	35.43	60.00	30.00	114.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/12/2025	00:00	04:00	4.00	10352.00	10352.00	0.00	INT	9: 12.25 Intermediate	6B	TOOH
05/12/2025	04:00	06:00	2.00	10352.00	10352.00	0.00	INT	9: 12.25 Intermediate	6P	LD BHA#9
05/12/2025	06:00	06:30	0.50	10352.00	10352.00	0.00	INT		24A	Wait on Orders
05/12/2025	06:30	07:15	0.75	10352.00	10352.00	0.00	INT	10: 12.25 Intermediate	6O	P/U BHA#10
05/12/2025	07:15	12:25	5.17	10352.00	10352.00	0.00	INT	10: 12.25 Intermediate	6A	RIH
05/12/2025	12:25	12:33	0.13	10352.00	10352.00	0.00	INT	10: 12.25 Intermediate	5A	Fill Pipe
05/12/2025	12:33	13:09	0.60	10352.00	10394.00	42.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10352.00 t/10394.00, w/WOB 60.00,Flow 800.00, RPM 30.00, Press 5600.00, Tq 18.00, ROP 70.00, Diff 400.00, Temp 235.00
05/12/2025	13:09	13:15	0.10	10394.00	10394.00	0.00	INT	10: 12.25 Intermediate	10D	Survey & Connection
05/12/2025	13:15	14:31	1.27	10394.00	10484.00	90.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10394.00 t/10484.00, w/WOB 60.00,Flow 800.00, RPM 30.00, Press 5600.00, Tq 18.00, ROP 71.05, Diff 400.00, Temp 235.00
05/12/2025	14:31	14:36	0.08	10484.00	10484.00	0.00	INT	10: 12.25 Intermediate	10D	Survey & Connection
05/12/2025	14:36	15:54	1.30	10484.00	10574.00	90.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10484.00 t/10574.00, w/WOB 60.00,Flow 800.00, RPM 30.00, Press 5600.00, Tq 18.00, ROP 69.23, Diff 400.00, Temp 235.00
05/12/2025	15:54	16:00	0.10	10574.00	10574.00	0.00	INT	10: 12.25 Intermediate	10D	Survey & Connection
05/12/2025	16:00	17:31	1.52	10574.00	10664.00	90.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10574.00 t/10664.00, w/WOB 60.00,Flow 800.00, RPM 30.00, Press 5600.00, Tq 18.00, ROP 59.34, Diff 400.00, Temp 245.00
05/12/2025	17:31	17:35	0.07	10664.00	10664.00	0.00	INT	10: 12.25 Intermediate	10D	Survey & Connection
05/12/2025	17:35	19:00	1.42	10664.00	10753.00	89.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10664.00 t/10753.00, w/WOB 60.00,Flow 800.00, RPM 30.00, Press 5600.00, Tq 18.00, ROP 62.82, Diff 400.00, Temp 245.00
05/12/2025	19:00	19:05	0.08	10753.00	10753.00	0.00	INT	10: 12.25 Intermediate	10D	Survey & Connection
05/12/2025	19:05	21:09	2.07	10753.00	10843.00	90.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10753.00 t/10843.00, w/WOB 60.00,Flow 800.00, RPM 30.00, Press 5600.00, Tq 18.00, ROP 43.55, Diff 400.00, Temp 245.00
05/12/2025	21:09	21:14	0.08	10843.00	10843.00	0.00	INT	10: 12.25 Intermediate	10D	Survey & Connection
05/12/2025	21:14	24:00	2.77	10843.00	10878.00	35.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10843.00 t/10878.00, w/WOB 60.00,Flow 800.00, RPM 30.00, Press 5600.00, Tq 18.00, ROP 12.65, Diff 400.00, Temp 245.00

Daily Drilling Report 05/13/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	18	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/13/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Intermediate, POOH, X-Out BHA, Trip In Hole, Drill Int

24Hr Lookahead

Drill INT to TD, Circ, POOH

Drilling Summary	24Hr (BHA 11/BHA 10)	Run (BHA 11)	Casing Data		Fluids			
Start Depth (Usft)	10878.00	10930.00	**Csg Shoe MD(Usft)**	2178.00	**600**	42.00	**%Sand**	
End Depth (Usft)	11036.00	11036.00	**OD (in)**	13.375	**300**	26.00	**%Solids**	12.10
Total Drilled (Usft)	158	106	**Weight (lb/ft)**	54.50	**200**	19.00	**Weight (ppg)**	10.10
Slide Drilled (Usft)			**Bit Data**		**100**	12.00	**Fluid Loss**	5.20
Rotary Drilled (Usft)	158	220	**SN**	68293	**6**	4.00	**PH**	
Drlg/Circ Hrs	6.58 / 2.80	5.53 / 7.58	**Bit #**	10	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	5.00	**Oil/Water**	76.4/25.4
Rotary Drilling Hrs	6.58	5.53	**TFA**	0.907	**Temp(F)**	150.00	**LGS**	4.70
ROP Rot/Slide (Usft/hr)	24.00 / 0.00	39.76 / 0.00	**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	24.00	11.50	**Grade Out**	2-2-WT-S-X-I-CT-PR	**YP**	10.00		
%Slide			**Make**	Ulterra	**Viscosity**	50.00		
%Rotary	100.00	207.55	**Model**	RPS716	**Chlorides**	35000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kolton Tobin	Garhett Sikes									Will Drake	
Jake Hopper	Kenneth Looper	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 - 0.91 (7x13)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	9.680				226.00	36.24	37.74
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.27
8 UBHO	8.060	2.875			142.00	4.08	49.35
8 NMDC	7.960	3.750			142.00	28.55	77.90
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.27
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.32
8 Filter Sub	8.000	2.875			142.00	5.63	99.95
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.82
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.52
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.36
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.87
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.94

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0011			7/8	8.87	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
10872.00	2.65	228.64	10862.00	-203.42	-166.26	0.23	175.22	147.90	-0.23	0.42	90.00
10962.00	2.33	231.02	10951.91	-205.94	-169.25	0.37	163.28	150.66	-0.36	2.64	90.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	12.38	60.00	30.00	114.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	38.19	60.00	30.00	114.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/13/2025	00:00	02:12	2.20	10878.00	10907.00	29.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10878.00 t/10907.00, w/WOB 60.00,Flow 800.00, RPM30.00, Press 5600.00, Tq 18.00, ROP 13.18, Diff 400.00, Temp 245.00
05/13/2025	02:12	03:30	1.30	10907.00	10907.00	0.00	INT	10: 12.25 Intermediate	8A	Repair to mud pumps
05/13/2025	03:30	05:30	2.00	10907.00	10930.00	23.00	INT	10: 12.25 Intermediate	2K	Rotary Drill f/10907.00 t/10930.00, w/WOB 60.00,Flow 800.00, RPM30.00, Press 5600.00, Tq 18.00, ROP 11.50, Diff 400.00, Temp 245.00
05/13/2025	05:30	06:25	0.92	10930.00	10930.00	0.00	INT	10: 12.25 Intermediate	5A	Circulate
05/13/2025	06:25	11:30	5.08	10930.00	10930.00	0.00	INT	10: 12.25 Intermediate	6B	POOH
05/13/2025	11:30	12:30	1.00	10930.00	10930.00	0.00	INT	10: 12.25 Intermediate	6P	LD BHA
05/13/2025	12:30	19:00	6.50	10930.00	10930.00	0.00	INT	11: 12.25 Intermediate	6A	TIH
05/13/2025	19:00	19:14	0.23	10930.00	10930.00	0.00	INT	11: 12.25 Intermediate	5A	Fill Pipe
05/13/2025	19:14	19:53	0.65	10930.00	10930.00	0.00	INT	11: 12.25 Intermediate	24A	Change out rotating head Rubber
05/13/2025	19:53	21:54	2.02	10930.00	11023.00	93.00	INT	11: 12.25 Intermediate	2K	Rotary Drill f/10930.00 t/11023.00, w/WOB 80.00,Flow 800.00, RPM45.00, Press 5450.00, Tq 18.00, ROP 46.12, Diff 300.00, Temp 255.00
05/13/2025	21:54	21:59	0.08	11023.00	11023.00	0.00	INT	11: 12.25 Intermediate	10D	Survey & Connection
05/13/2025	21:59	22:21	0.37	11023.00	11036.00	13.00	INT	11: 12.25 Intermediate	2K	Rotary Drill f/11023.00 t/11036.00, w/WOB 80.00,Flow 800.00, RPM45.00, Press 5450.00, Tq 18.00, ROP 35.45, Diff 300.00, Temp 255.00
05/13/2025	22:21	24:00	1.65	11036.00	11036.00	0.00	INT	11: 12.25 Intermediate	5A	Replace wear Plate On MP #1

Daily Drilling Report 05/14/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	19	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/14/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill INT To TD, Circ, POOH, L/D BHA, Logging Ops

24Hr Lookahead

Open Hole Logging Operations

Drilling Summary	24Hr (BHA 11)	Run (BHA 11)	Casing Data		Fluids			
Start Depth (Usft)	11036.00	10930.00	**Csg Shoe MD(Usft)**	2178.00	**600**	42.00	**%Sand**	
End Depth (Usft)	11150.00	11150.00	**OD (in)**	13.375	**300**	26.00	**%Solids**	12.10
Total Drilled (Usft)	114	220	**Weight (lb/ft)**	54.50	**200**	19.00	**Weight (ppg)**	10.10
Slide Drilled (Usft)			**Bit Data**		**100**	12.00	**Fluid Loss**	5.20
Rotary Drilled (Usft)	114	220	**SN**	68293	**6**	4.00	**PH**	
Drlg/Circ Hrs	3.15 / 5.70	5.53 / 7.58	**Bit #**	11	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	5.00	**Oil/Water**	76.4/25.4
Rotary Drilling Hrs	3.15	5.53	**TFA**	0.941	**Temp(F)**	150.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	36.19 / 0.00	39.76 / 0.00	**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	20.00	31.50	**Grade Out**	1-3-CT-A-X-I-NO-TD	**YP**	10.00		
%Slide			**Make**	Ulterra	**Viscosity**	50.00		
%Rotary	100.00	100.00	**Model**	U813S	**Chlorides**	35000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kenneth Looper	Garhett Sikes					Johnathan Quade					
Jake Hopper	Will Drake	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra U813S - 0.94 (3x13, 5x12)	12.250				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	9.680				226.00	36.24	37.74
12.125 NM Blade Stabilizer	8.310	3.500			146.00	7.53	45.27
8 UBHO	8.060	2.875			142.00	4.08	49.35
8 NMDC	7.960	3.750			142.00	28.55	77.90
8 Gap Sub (QTM)	8.000	3.750			142.00	8.37	86.27
12.125 NM Blade Stabilizer	8.310	3.500			146.00	8.05	94.32
8 Filter Sub	8.000	2.875			142.00	5.63	99.95
8" DC (2 Stands)	8.000	2.875			150.00	181.87	281.82
XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875			130.00	2.70	284.52
6.5" DC (5 Stands)	6.500	2.375			97.00	456.84	741.36
XO Delta527 B x 4 1/2 IF P	6.630	2.750			95.00	3.51	744.87
5" HWDP (10 Stands)	5.000	3.000			49.30	949.07	1693.94

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
BPB5962-0011			7/8	8.87	1.15	0.10	ADJ	4.8

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
11052.00	2.16	230.74	11041.84	-208.17	-171.98	0.19	-176.45	153.19	-0.19	-0.31	90.00
11089.00	1.92	232.53	11078.82	-208.99	-173.02	0.67	166.02	154.14	-0.65	4.84	37.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	36.19	60.00	30.00	114.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	39.76	60.00	30.00	114.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/14/2025	00:00	01:03	1.05	11036.00	11036.00	0.00	INT	11: 12.25 Intermediate	5A	Circ and Work On Pump
05/14/2025	01:03	03:03	2.00	11036.00	11113.00	77.00	INT	11: 12.25 Intermediate	2K	Rotary Drill f/11036.00 t/11113.00, w/WOB 80.00,Flow 800.00, RPM45.00, Press 5450.00, Tq 18.00, ROP 38.50, Diff 300.00, Temp 255.00
05/14/2025	03:03	03:07	0.07	11113.00	11113.00	0.00	INT	11: 12.25 Intermediate	10D	Survey & Connection
05/14/2025	03:07	04:16	1.15	11113.00	11150.00	37.00	INT	11: 12.25 Intermediate	2K	Rotary Drill f/11113.00 t/11150.00, w/WOB 80.00,Flow 800.00, RPM45.00, Press 5450.00, Tq 18.00, ROP 32.17, Diff 300.00, Temp 255.00
05/14/2025	04:16	04:21	0.08	11150.00	11150.00	0.00	INT	11: 12.25 Intermediate	10A	Survey @ TD
05/14/2025	04:21	09:00	4.65	11150.00	11150.00	0.00	INT	11: 12.25 Intermediate	5A	Circulate TD Sweeps and Spot LCM
05/14/2025	09:00	18:30	9.50	11150.00	11150.00	0.00	INT	11: 12.25 Intermediate	6B	TOOH and Lay Down 8" DCs
05/14/2025	18:30	20:00	1.50	11150.00	11150.00	0.00	INT	11: 12.25 Intermediate	6P	L/D Directional BHA
05/14/2025	20:00	24:00	4.00	11150.00	11150.00	0.00	INT		11A	Logging Operations

Daily Drilling Report 05/15/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	20	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/15/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary
Wireline Logging, Casing

24Hr Lookahead
Casing and Cement Ops

Drilling Summary	24Hr	Run	Casing Data		Fluids			
Start Depth (Usft)	11150.00		**Csg Shoe MD(Usft)**	2178.00	**600**	42.00	**%Sand**	
End Depth (Usft)	11150.00	11150.00	**OD (in)**	13.375	**300**	26.00	**%Solids**	12.10
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	19.00	**Weight (ppg)**	10.10
Slide Drilled (Usft)			**Bit Data**		**100**	12.00	**Fluid Loss**	5.20
Rotary Drilled (Usft)			**SN**		**6**	4.00	**PH**	
Drlg/Circ Hrs			**Bit #**		**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**		**10s Gel**	5.00	**Oil/Water**	76.4/25.4
Rotary Drilling Hrs			**TFA**		**Temp(F)**	150.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)			**Grade In**		**PV**	16.00	**Gas %**	0.00
BRT Hrs			**Grade Out**		**YP**	10.00		
%Slide			**Make**		**Viscosity**	50.00		
%Rotary			**Model**		**Chlorides**	35000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kenneth Looper	Garhett Sikes					Johnathan Quade					
Jake Hopper	Will Drake	Mark Thompson										

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/15/2025	00:00	19:45	19.75	11150.00	11150.00	0.00	INT		11A	Wireline Logging Ops
05/15/2025	19:45	21:15	1.50	11150.00	11150.00	0.00	INT		12B	Pull Wear Bushing and Rig Up Casing Crew
05/15/2025	21:15	24:00	2.75	11150.00	11150.00	0.00	INT		12B	Run Casing

Daily Drilling Report 05/16/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	21	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/16/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Casing and Cement Ops

24Hr Lookahead

Cement Ops, DV Drill out Ops

Drilling Summary	24Hr	Run	Casing Data		Fluids			
Start Depth (Usft)	11150.00		**Csg Shoe MD(Usft)**	2178.00	**600**	42.00	**%Sand**	
End Depth (Usft)	11150.00	11150.00	**OD (in)**	13.375	**300**	26.00	**%Solids**	12.10
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	19.00	**Weight (ppg)**	10.10
Slide Drilled (Usft)			**Bit Data**		**100**	12.00	**Fluid Loss**	5.20
Rotary Drilled (Usft)			**SN**		**6**	4.00	**PH**	
Drlg/Circ Hrs			**Bit #**		**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**		**10s Gel**	5.00	**Oil/Water**	76.4/25.4
Rotary Drilling Hrs			**TFA**		**Temp(F)**	150.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)			**Grade In**		**PV**	16.00	**Gas %**	0.00
BRT Hrs			**Grade Out**		**YP**	10.00		
%Slide			**Make**		**Viscosity**	50.00		
%Rotary			**Model**		**Chlorides**	35000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kenneth Looper	Garhett Sikes					Johnathan Quade					
Jake Hopper	Will Drake	Mark Thompson										

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/16/2025	00:00	17:00	17.00	11150.00	11150.00	0.00	INT		12B	Run INT Casing
05/16/2025	17:00	19:00	2.00	11150.00	11150.00	0.00	INT		5A	Circulate
05/16/2025	19:00	24:00	5.00	11150.00	11150.00	0.00	INT		12E	Rig Up Cementers, Cement

Daily Drilling Report 05/17/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	22	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/17/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Cement 2nd stage, Set Pack Off, ND BOP, Change out Components, NU BOP, Test BOP, P/U DV Drill out Assy, TIH

24Hr Lookahead

TIH, Drill out DV Tool, TIH, Displace OBM, POOH, N/D BOP, Prod Ops on the Glade West

Drilling Summary	24Hr (BHA 12)	Run (BHA 12)	Casing Data		Fluids			
Start Depth (Usft)	11150.00	11150.00	**Csg Shoe MD(Usft)**	2178.00	**600**	42.00	**%Sand**	
End Depth (Usft)	11150.00	11150.00	**OD (in)**	13.375	**300**	26.00	**%Solids**	12.10
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	19.00	**Weight (ppg)**	10.10
Slide Drilled (Usft)			**Bit Data**		**100**	12.00	**Fluid Loss**	5.20
Rotary Drilled (Usft)			**SN**	11474473	**6**	4.00	**PH**	
Drlg/Circ Hrs		0.00 / 1.00	**Bit #**	14	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	5.00	**Oil/Water**	76.4/25.4
Rotary Drilling Hrs			**TFA**	0.920	**Temp(F)**	150.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)			**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	1.50	1.50	**Grade Out**		**YP**	10.00		
%Slide			**Make**	Halliburton	**Viscosity**	50.00		
%Rotary			**Model**	QHC1R	**Chlorides**	35000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kenneth Looper	Garhett Sikes										
Jake Hopper	Will Drake	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8 1/2" Security QHC1R Rock Bit 3x20's - 0.92 (3x20)	8.500				100.00	0.85	0.85
6 1/2" Bit Sub D527B x 4 1/2" RegB	6.500	2.812			92.00	4.01	4.86
5" HWDP 10 Stands	5.000	3.000			49.30	949.07	953.93

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/17/2025	00:00	08:00	8.00	11150.00	11150.00	0.00	INT		12E	Wait On Cement
05/17/2025	08:00	11:30	3.50	11150.00	11150.00	0.00	INT		12E	Pump 2nd Stage, RD Cementing Equipment
05/17/2025	11:30	13:00	1.50	11150.00	11150.00	0.00	INT		24A	Flush BOP, Set Pack off, Test Pack off, RD Tools
05/17/2025	13:00	20:00	7.00	11150.00	11150.00	0.00	INT		14A	ND BOP, Change Out Components, NU BOP
05/17/2025	20:00	21:30	1.50	11150.00	11150.00	0.00	INT		15A	Break Test BOP
05/17/2025	21:30	22:00	0.50	11150.00	11150.00	0.00	INT		8P	Service Top Drive
05/17/2025	22:00	22:30	0.50	11150.00	11150.00	0.00	INT	12: DV Drill Out	6O	Make up Bit and Bit Sub
05/17/2025	22:30	24:00	1.50	11150.00	11150.00	0.00	INT	12: DV Drill Out	6A	TIH

Daily Drilling Report 05/18/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	23	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	05/18/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

TIH, Drill out DV Tool,TIH, Circ, POOH, Walk to the Glade West

24Hr Lookahead

Prod Ops on the Glade West

Drilling Summary	24Hr (BHA 12)	Run (BHA 12)	Casing Data		Fluids			
Start Depth (Usft)	11150.00	11150.00	**Csg Shoe MD(Usft)**	2178.00	**600**	42.00	**%Sand**	
End Depth (Usft)	11150.00	11150.00	**OD (in)**	13.375	**300**	26.00	**%Solids**	12.10
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	19.00	**Weight (ppg)**	10.10
Slide Drilled (Usft)			**Bit Data**		**100**	12.00	**Fluid Loss**	5.20
Rotary Drilled (Usft)			**SN**	11474473	**6**	4.00	**PH**	
Drlg/Circ Hrs	1.00 / 1.00	0.00 / 1.00	**Bit #**	14	**3**	3.00	**Mud Type**	TEROS
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	5.00	**Oil/Water**	76.4/25.4
Rotary Drilling Hrs	1.00		**TFA**	0.920	**Temp(F)**	150.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	0.00 / 0.00		**Grade In**	New	**PV**	16.00	**Gas %**	0.00
BRT Hrs	24.00	25.50	**Grade Out**		**YP**	10.00		
%Slide			**Make**	Halliburton	**Viscosity**	50.00		
%Rotary			**Model**	QHC1R	**Chlorides**	35000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Jon Rohman	Kenneth Looper	Garhett Sikes										
Jake Hopper	Will Drake	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8 1/2" Security QHC1R Rock Bit 3x20's - 0.92 (3x20)	8.500				100.00	0.85	0.85
6 1/2" Bit Sub D527B x 4 1/2" RegB	6.500	2.812			92.00	4.01	4.86
5" HWDP 10 Stands	5.000	3.000			49.30	949.07	953.93

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
05/18/2025	00:00	01:30	1.50	11150.00	11150.00	0.00	INT	12: DV Drill Out	6A	TIH
05/18/2025	01:30	02:30	1.00	11150.00	11150.00	0.00	INT	12: DV Drill Out	2A	Drill DV Tool
05/18/2025	02:30	03:00	0.50	11150.00	11150.00	0.00	INT	12: DV Drill Out	5A	Circ Bottoms Up
05/18/2025	03:00	06:00	3.00	11150.00	11150.00	0.00	INT	12: DV Drill Out	6A	TIH
05/18/2025	06:00	06:30	0.50	11150.00	11150.00	0.00	INT	12: DV Drill Out	5A	Displace OBM from Hole
05/18/2025	06:30	15:00	8.50	11150.00	11150.00	0.00	INT	12: DV Drill Out	6B	TOOH, LD 5" DP
05/18/2025	15:00	17:00	2.00	11150.00	11150.00	0.00	INT	12: DV Drill Out	14A	Pull Wear Bushing, Prep for walk and R/D BOP
05/18/2025	17:00	19:00	2.00	11150.00	11150.00	0.00	INT	12: DV Drill Out	1C	Walk to the Glade East
05/18/2025	19:00	24:00	5.00	11150.00	11150.00	0.00	INT	12: DV Drill Out	24A	Nipple Up BOP and MPD on the Glade West

Daily Drilling Report 06/15/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	24	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/15/2025	**Report Time**	09:30-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary
SKid Rig, NU BOP, Test BOP

24Hr Lookahead
P/U Dumb Iron Assy, TIH, Drill out Bridge Plug, Casing Test, TIH, Drill Out Float/Shoe, FIT Test, POOH for Production BHA

Drilling Summary	24Hr	Run	Casing Data		Fluids			
Start Depth (Usft)	11150.00		**Csg Shoe MD(Usft)**	2178.00	**600**	3.00	**%Sand**	
End Depth (Usft)	11150.00	11150.00	**OD (in)**	13.375	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**		**6**	1.00	**PH**	7.00
Drlg/Circ Hrs			**Bit #**		**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**		**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs			**TFA**		**Temp(F)**	120.00	**LGS**	0.50
ROP Rot/Slide (Usft/hr)			**Grade In**		**PV**	1.00	**Gas %**	0.00
BRT Hrs			**Grade Out**		**YP**	1.00		
%Slide			**Make**		**Viscosity**	28.00		
%Rotary			**Model**		**Chlorides**	200.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Kenneth Looper	John Hughes					Jonathan Quade					
Jon Rohman	Will Drake	Mark Thompson										

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	37.50	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/15/2025	09:30	13:30	4.00	11150.00	11150.00	0.00	INT		1C	ND BOP, Skid Rig
06/15/2025	13:30	18:00	4.50	11150.00	11150.00	0.00	INT		14A	N/U BOP
06/15/2025	18:00	24:00	6.00	11150.00	11150.00	0.00	INT		15A	Rig Up Testers, Test BOP, R/D Testers

Daily Drilling Report 06/16/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	25	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/16/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

P/U Drill out ASSY, TIH, Cut Drill Line, TIH, Drill out Bridge Plug, TIH, CSG TST, TIH, Drill out Float and shoe, FIT test, POOH for directional BHA

24Hr Lookahead

P/U Directional BHA, TIH, Drill Production.

Drilling Summary	24Hr	Run	Casing Data		Fluids			
Start Depth (Usft)	11150.00		**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	11160.00	11160.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**		**6**	1.00	**PH**	7.00
Drlg/Circ Hrs			**Bit #**		**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**		**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs			**TFA**		**Temp(F)**	120.00	**LGS**	0.50
ROP Rot/Slide (Usft/hr)			**Grade In**		**PV**	1.00	**Gas %**	0.00
BRT Hrs			**Grade Out**		**YP**	1.00		
%Slide			**Make**		**Viscosity**	28.00		
%Rotary			**Model**		**Chlorides**	200.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Kenneth Looper	John Hughes					Jonathan Quade					
Jon Rohman	Will Drake	Mark Thompson										

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	37.50	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	37.50	60.00	30.00	30.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/16/2025	00:00	01:00	1.00	11150.00	11150.00	0.00	SURFACE		24A	Install Wear Bushing and Center Rig
06/16/2025	01:00	01:30	0.50	11150.00	11150.00	0.00	SURFACE		24A	P/U Drill out Bit, Junk basket and Bit Sub
06/16/2025	01:30	04:00	2.50	11150.00	11150.00	0.00	SURFACE		6A	P/U 12 6.5" DCs
06/16/2025	04:00	05:15	1.25	11150.00	11150.00	0.00	SURFACE		9A	Slip and cut Drill Line
06/16/2025	05:15	08:30	3.25	11150.00	11150.00	0.00	SURFACE		6A	TIH T/ 6530
06/16/2025	08:30	10:00	1.50	11150.00	11150.00	0.00	SURFACE		5A	Wash down, Drill Out Bridge plug
06/16/2025	10:00	11:00	1.00	11150.00	11150.00	0.00	SURFACE		15B	Test Casing to 2000 PSI
06/16/2025	11:00	13:30	2.50	11150.00	11150.00	0.00	SURFACE		6A	TIH F/ 6700 T/ 11023
06/16/2025	13:30	15:51	2.35	11150.00	11150.00	0.00	SURFACE		5A	Wash down, Drill out float and Shoe
06/16/2025	15:51	16:07	0.27	11150.00	11160.00	10.00	SURFACE		2K	Rotate F/ 11,150 T/11,160
06/16/2025	16:07	17:00	0.88	11160.00	11160.00	0.00	SURFACE		5A	Circulate Bottoms Up
06/16/2025	17:00	17:30	0.50	11160.00	11160.00	0.00	SURFACE		15B	FIT
06/16/2025	17:30	23:30	6.00	11160.00	11160.00	0.00	SURFACE		6B	POOH
06/16/2025	23:30	24:00	0.50	11160.00	11160.00	0.00	SURFACE		24A	Break Down Junk Basket ASSY

Daily Drilling Report 06/17/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	26	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/17/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

P/U BHA, TIH, Test MWD, TIH, Drill Production Section, POOH For MWD Failure

24Hr Lookahead

POOH, Change out BHA, TIH, Drill Production

Drilling Summary	24Hr (BHA 13)	Run (BHA 13)	Casing Data		Fluids			
Start Depth (Usft)	11160.00	11160.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	11527.00	11527.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)	367	367	**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	367	367	**SN**	78480	**6**	1.00	**PH**	9.50
Drlg/Circ Hrs	2.88 / 5.22	2.88 / 5.22	**Bit #**	13	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	2.88	2.88	**TFA**	1.052	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	127.28 / 0.00	127.28 / 0.00	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	22.00	22.00	**Grade Out**	1-2-CT-A-X-I-NO-DTF	**YP**	1.00		
%Slide			**Make**	Ulterra	**Viscosity**	27.00		
%Rotary	100.00	100.00	**Model**	SCR713	**Chlorides**	600.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	John Hughes					Jonathan Quade					
Jon Rohman	Julian Parras	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR713 (7x14 1.052 TFA) - 1.05 (7x14)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	6.940				150.00	39.02	40.02
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.07	43.09
6 1/2 NMPC	6.350	3.250			90.00	13.68	56.77
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000			90.00	29.89	86.66
Halliburton TM Collar	6.750	2.875			90.00	15.39	102.05
8 1/4 NM4 Blade Stabilizer	6.800	3.250			90.00	5.93	107.98
6 1/2 NMDC	6.300	3.250			90.00	26.91	134.89
6 1/2 NMDC	6.340	3.250			90.00	28.28	163.17
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	166.68
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	172.05
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	628.44
6.5 Crossover Delta 544 B x4 1/2 IF P	6.550	2.875			90.00	3.56	632.00
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	7.250		60.87	657.87	1289.87

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-094	Scout	7885	7/8	4.30	1.00	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
11089.00	1.92	232.53	11078.82	-208.99	-173.02	0.67	166.02	154.14	-0.65	4.84	37.00
11267.90	1.73	232.37	11257.63	-212.46	-177.53	0.11	-178.54	158.34	-0.11	-0.09	178.90
11362.70	1.24	220.83	11352.40	-214.11	-179.34	0.60	-154.28	159.99	-0.52	-12.17	94.80

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	127.28	60.00	30.00	222.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00
Run	127.28	60.00	30.00	222.00	800.00	5600.00	5200.00	202.00	335.00	325.00	315.00	18.00	6.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/17/2025	00:00	00:30	0.50	11160.00	11160.00	0.00	SURFACE		24A	Stage and Prep for BHA
06/17/2025	00:30	02:00	1.50	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6O	P/U BHA W Halliburton Base Star MWD
06/17/2025	02:00	03:00	1.00	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6A	TIH picking Up DCs and 2 HWDP
06/17/2025	03:00	03:15	0.25	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Shallow Test Halliburton MWD
06/17/2025	03:15	05:30	2.25	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6A	TIH T/3380
06/17/2025	05:30	06:00	0.50	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	8P	Rig Service
06/17/2025	06:00	08:25	2.42	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6A	TIH T/ 8300
06/17/2025	08:25	09:00	0.58	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Fill pipe, Check hole temp
06/17/2025	09:00	10:20	1.33	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6A	TIH T/10000
06/17/2025	10:20	10:40	0.33	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Circulate, Cool wellbore
06/17/2025	10:40	11:15	0.58	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6A	TIH T/ 11160
06/17/2025	11:15	11:36	0.35	11160.00	11160.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Fill pipe, Sync MWD
06/17/2025	11:36	12:13	0.62	11160.00	11244.00	84.00	SURFACE	13: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/11160.00 t/11244.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3070.00, Tq 11.60, ROP 136.22, Diff 320.00, Temp 288.00
06/17/2025	12:13	12:18	0.08	11244.00	11244.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/17/2025	12:18	12:59	0.68	11244.00	11339.00	95.00	SURFACE	13: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/11244.00 t/11339.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3070.00, Tq 11.60, ROP 139.02, Diff 320.00, Temp 288.00
06/17/2025	12:59	13:07	0.13	11339.00	11339.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/17/2025	13:07	13:53	0.77	11339.00	11434.00	95.00	SURFACE	13: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/11339.00 t/11434.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3070.00, Tq 11.60, ROP 123.91, Diff 320.00, Temp 288.00
06/17/2025	13:53	15:02	1.15	11434.00	11434.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	8P	Service Rig
06/17/2025	15:02	15:14	0.20	11434.00	11434.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/17/2025	15:14	16:03	0.82	11434.00	11527.00	93.00	SURFACE	13: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/11434.00 t/11527.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3070.00, Tq 11.60, ROP 113.88, Diff 320.00, Temp 288.00
06/17/2025	16:03	16:20	0.28	11527.00	11527.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Circ and Pull Back 2 Stands
06/17/2025	16:20	17:45	1.42	11527.00	11527.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Circ and Attempt Ranging Shot
06/17/2025	17:45	19:30	1.75	11527.00	11527.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Clean hole, Build Slug, Flow Check, Pump Slug
06/17/2025	19:30	21:15	1.75	11527.00	11527.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6B	TOOH
06/17/2025	21:15	21:30	0.25	11527.00	11527.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	5A	Pump Slug
06/17/2025	21:30	24:00	2.50	11527.00	11527.00	0.00	SURFACE	13: 8.5 Production BHA-Halliburton	6B	TOOH

Daily Drilling Report 06/18/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	27	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/18/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

POOH, Change out BHA, TIH, Drill Production

24Hr Lookahead

Drill Production

Drilling Summary	24Hr (BHA 14/BHA 13)	Run (BHA 14)	Casing Data		Fluids			
Start Depth (Usft)	11527.00	11527.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	12299.00	12299.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.40
Total Drilled (Usft)	772	772	**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)	73	102	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	699	1655	**SN**	78480	**6**	1.00	**PH**	9.50
Drlg/Circ Hrs	6.33 / 3.33	17.58 / 4.23	**Bit #**	13	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs	0.97	2.00	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	5.37	15.58	**TFA**	1.052	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	130.25 / 75.52	106.20 / 51.00	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	20.50	15.75	**Grade Out**	1-2-CT-A-X-I-NO-DTF	**YP**	1.00		
%Slide	9.46	13.21	**Make**	Ulterra	**Viscosity**	28.00		
%Rotary	90.54	214.38	**Model**	SCR713	**Chlorides**	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	John Hughes					Jonathan Quade					
Jon Rohman	Julian Parras	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR713 (7x14 1.052 TFA) - 1.05 (7x14)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	6.940				150.00	39.02	40.02
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.07	43.09
6 1/2 NMPC	6.350	3.250			90.00	13.68	56.77
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000			90.00	29.89	86.66
Halliburton TM Collar	6.750	2.875			90.00	15.39	102.05
8 1/4 NM4 Blade Stabilizer	6.800	3.250			90.00	5.93	107.98
6 1/2 NMDC	6.300	3.250			90.00	26.91	134.89
6 1/2 NMDC	6.340	3.250			90.00	28.28	163.17
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	166.68
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	172.05
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	628.44
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	632.00
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	7.250		60.87	657.87	1289.87

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-094	Scout	7885	7/8	4.30	1.00	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
11457.60	1.45	234.34	11447.27	-215.58	-180.98	0.40	63.36	161.51	0.22	14.24	94.90
11482.00	1.06	233.10	11471.67	-215.90	-181.42	1.60	-176.64	161.91	-1.60	-5.08	24.40
11577.00	2.44	278.40	11566.62	-216.13	-184.12	1.95	69.26	164.58	1.45	47.68	95.00
11672.00	4.04	289.61	11661.47	-214.71	-189.27	1.80	27.26	169.84	1.68	11.80	95.00
11767.00	5.82	279.83	11756.12	-212.77	-197.17	2.07	-30.20	177.88	1.87	-10.29	95.00
11862.00	7.40	284.14	11850.48	-210.45	-207.85	1.74	19.58	188.72	1.66	4.54	95.00
11956.00	7.07	285.36	11943.73	-207.44	-219.30	0.39	155.64	200.38	-0.35	1.30	94.00
12051.00	7.05	286.80	12038.01	-204.21	-230.52	0.19	97.16	211.84	-0.02	1.52	95.00
12146.00	7.07	288.29	12132.29	-200.69	-241.65	0.19	84.51	223.24	0.02	1.57	95.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	53.89	40.00	196.00	650.00	3226.92	2830.77	202.00	374.62	350.77	353.08	14.10	9.20
Run	127.28	53.89	40.00	196.00	650.00	3226.92	2830.77	202.00	374.62	350.77	353.08	14.10	9.20

MWD Data							
Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics					
Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/18/2025	00:00	03:25	3.42	11527.00	11527.00	0.00	INT	13: 8.5 Production BHA-Halliburton	6B	
06/18/2025	03:25	04:45	1.33	11527.00	11527.00	0.00	INT	13: 8.5 Production BHA-Halliburton	6P	L/D Haliburton MWD/Ranging BHA
06/18/2025	04:45	07:15	2.50	11527.00	11527.00	0.00	INT		24C	Wait on Halliburton MWD Data
06/18/2025	07:15	08:15	1.00	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	6O	P/U QTM MWD
06/18/2025	08:15	10:43	2.47	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	6A	TIH to 4900
06/18/2025	10:43	11:10	0.45	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Fill Pipe and Test MWD temp 158?
06/18/2025	11:10	12:00	0.83	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	6A	TIH 4900-7000
06/18/2025	12:00	12:15	0.25	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Fill Pipe and check MWD Temp 213?
06/18/2025	12:15	12:40	0.42	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	6A	TIH 7000-8000
06/18/2025	12:40	13:07	0.45	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Fill pipe and cool Wellfrom 230? to 206?
06/18/2025	13:07	13:45	0.63	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	6A	TIH 7000- 9600
06/18/2025	13:45	14:29	0.73	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Fill Pipe and Cool Wellbore 260?-220?
06/18/2025	14:29	15:05	0.60	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	6A	TIH 9600 - 11000
06/18/2025	15:05	15:35	0.50	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Fill Pipe and Cool Wellbore 285?-250?
06/18/2025	15:35	16:32	0.95	11527.00	11527.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Washing to Bottom 11000 - 11527 taking surveys
06/18/2025	16:32	16:38	0.10	11527.00	11540.00	13.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/11527.00 t/11540.00, w/WOB 45.00,Flow 650.00, RPM 40.00, Press 3200.00, Tq 14.10, ROP 130.00, Diff 450.00, Temp 230.00
06/18/2025	16:38	16:48	0.17	11540.00	11540.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	16:48	17:00	0.20	11540.00	11560.00	20.00	INT	14: 8.5 Production BHA-Quantum	2J	Slide Drill f/11540.00 t/11560.00, TF 280.00M, w/WOB 45.00,Flow 650.00, Press 3200.00, Tq 14.10, ROP 100.00, Diff 450.00, Temp 230.00
06/18/2025	17:00	17:31	0.52	11560.00	11635.00	75.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/11560.00 t/11635.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3200.00, Tq 14.10, ROP 145.16, Diff 450.00, Temp 192.00
06/18/2025	17:31	17:40	0.15	11635.00	11635.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	17:40	17:53	0.22	11635.00	11655.00	20.00	INT	14: 8.5 Production BHA-Quantum	2J	Slide Drill f/11635.00 t/11655.00, TF 280.00M, w/WOB 55.00,Flow 650.00, Press 3200.00, Tq 14.10, ROP 92.31, Diff 450.00, Temp 192.00
06/18/2025	17:53	18:25	0.53	11655.00	11730.00	75.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/11655.00 t/11730.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3200.00, Tq 14.10, ROP 140.63, Diff 450.00, Temp 192.00
06/18/2025	18:25	18:39	0.23	11730.00	11730.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	18:39	18:55	0.27	11730.00	11750.00	20.00	INT	14: 8.5 Production BHA-Quantum	2J	Slide Drill f/11730.00 t/11750.00, TF 240.00M, w/WOB 55.00,Flow 650.00, Press 3200.00, Tq 14.10, ROP 75.00, Diff 450.00, Temp 192.00
06/18/2025	18:55	19:27	0.53	11750.00	11825.00	75.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/11750.00 t/11825.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3250.00, Tq 14.10, ROP 140.63, Diff 350.00, Temp 178.00
06/18/2025	19:27	19:37	0.17	11825.00	11825.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	19:37	19:54	0.28	11825.00	11838.00	13.00	INT	14: 8.5 Production BHA-Quantum	2J	Slide Drill f/11825.00 t/11838.00, TF 265.00M, w/WOB 55.00,Flow 650.00, Press 3250.00, Tq 14.10, ROP 45.88, Diff 350.00, Temp 178.00
06/18/2025	19:54	20:36	0.70	11838.00	11920.00	82.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/11838.00 t/11920.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3250.00, Tq 14.10, ROP 117.14, Diff 350.00, Temp 178.00
06/18/2025	20:36	20:42	0.10	11920.00	11920.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	20:42	21:26	0.73	11920.00	12014.00	94.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/11920.00 t/12014.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3250.00, Tq 14.10, ROP 128.18, Diff 350.00, Temp 178.00
06/18/2025	21:26	21:34	0.13	12014.00	12014.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	21:34	22:17	0.72	12014.00	12109.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12014.00 t/12109.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3250.00, Tq 14.10, ROP 132.56, Diff 350.00, Temp 178.00
06/18/2025	22:17	22:23	0.10	12109.00	12109.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	22:23	23:09	0.77	12109.00	12204.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12109.00 t/12204.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3250.00, Tq 14.10, ROP 123.91, Diff 350.00, Temp 178.00
06/18/2025	23:09	23:14	0.08	12204.00	12204.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/18/2025	23:14	24:00	0.77	12204.00	12299.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12204.00 t/12299.00, w/WOB 55.00,Flow 650.00, RPM 40.00, Press 3250.00, Tq 14.10, ROP 123.91, Diff 350.00, Temp 178.00

Daily Drilling Report 06/19/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	28	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/19/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Production, TOOH, Change BHA, TIH

24Hr Lookahead

TIH, and Drill Production

Drilling Summary	24Hr (BHA 15/BHA 14)	Run (BHA 15)	Casing Data		Fluids			
Start Depth (Usft)	12299.00	13284.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	13284.00	13284.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.40
Total Drilled (Usft)	985		**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)	29	87	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	956	1025	**SN**	78543	**6**	1.00	**PH**	9.50
Drlg/Circ Hrs	11.25 / 0.90	9.78 / 3.47	**Bit #**	13	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs	1.03	2.00	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	10.22	7.78	**TFA**	0.990	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	93.57 / 28.06	131.69 / 43.50	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	22.75	1.00	**Grade Out**	8-8-CT-A-X-I-RO-PR	**YP**	1.00		
%Slide	2.94		**Make**	Ulterra	**Viscosity**	28.00		
%Rotary	97.06		**Model**	SCR713	**Chlorides**	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	John Hughes					Jonathan Quade					
Jon Rohman	Julian Parras	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR713 (4x14 3x13) 0.99 TFA - 0.99 (4x14, 3x13)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	6.940				150.00	39.02	40.02
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.07	43.09
6 3/4 UBHO	6.540	2.875			90.00	2.61	45.70
6 1/2 NMDC	6.340	3.250			90.00	28.28	73.98
8 1/4 NM4 Blade Stabilizer	6.800	3.250			90.00	5.93	79.91
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	83.42
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	88.79
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	545.18
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	548.74
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	7.250		60.87	657.87	1206.61

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-094	Scout	7885	7/8	4.30	1.00	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
12336.00	7.27	275.34	12320.86	-194.11	-263.93	2.10	-89.33	246.01	0.32	-16.78	95.00
12431.00	7.14	274.65	12415.11	-193.07	-275.80	0.16	-146.69	257.92	-0.14	-0.73	95.00
12526.00	6.85	276.13	12509.40	-191.99	-287.32	0.36	148.87	269.49	-0.31	1.56	95.00
12620.00	6.73	276.63	12602.74	-190.75	-298.36	0.14	154.02	280.60	-0.13	0.53	94.00
12715.00	6.61	276.05	12697.10	-189.53	-309.33	0.14	-150.98	291.63	-0.13	-0.61	95.00
12810.00	6.54	277.17	12791.47	-188.28	-320.13	0.15	119.18	302.50	-0.07	1.18	95.00
12905.00	6.29	275.16	12885.88	-187.14	-330.68	0.35	-139.06	313.11	-0.26	-2.12	95.00
12999.00	6.19	274.57	12979.32	-186.27	-340.86	0.13	-147.62	323.33	-0.11	-0.63	94.00
13094.00	6.12	275.35	13073.77	-185.39	-351.01	0.11	130.32	333.52	-0.07	0.82	95.00
13189.00	5.98	277.54	13168.24	-184.27	-360.96	0.28	122.32	343.52	-0.15	2.31	95.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	87.56	55.00	40.00	196.00	650.00	3250.00	2900.00	202.00	406.67	366.67	350.00	14.76	9.20
Run	99.92	54.29	40.00	196.00	650.00	3234.21	2852.63	202.00	384.74	355.79	352.11	14.34	9.20

MWD Data							
Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics					
Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/19/2025	00:00	00:10	0.17	12299.00	12299.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	00:10	00:32	0.37	12299.00	12315.00	16.00	INT	14: 8.5 Production BHA-Quantum	2J	Slide Drill f/12299.00 t/12315.00, TF 175.00M, w/WOB 55.00,Flow 650.00, Press 3250.00, Tq 14.10, ROP 43.64, Diff 350.00, Temp 178.00
06/19/2025	00:32	01:18	0.77	12315.00	12394.00	79.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12315.00 t/12394.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 14.10, ROP 103.04, Diff 350.00, Temp 178.00
06/19/2025	01:18	01:24	0.10	12394.00	12394.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	01:24	02:19	0.92	12394.00	12489.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12394.00 t/12489.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 14.10, ROP 103.64, Diff 350.00, Temp 178.00
06/19/2025	02:19	02:27	0.13	12489.00	12489.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	02:27	03:19	0.87	12489.00	12584.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12489.00 t/12584.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 109.62, Diff 350.00, Temp 181.00
06/19/2025	03:19	03:24	0.08	12584.00	12584.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	03:24	04:14	0.83	12584.00	12678.00	94.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12584.00 t/12678.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 112.80, Diff 350.00, Temp 181.00
06/19/2025	04:14	04:22	0.13	12678.00	12678.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	04:22	05:14	0.87	12678.00	12773.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12678.00 t/12773.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 109.62, Diff 350.00, Temp 181.00
06/19/2025	05:14	05:35	0.35	12773.00	12773.00	0.00	INT	14: 8.5 Production BHA-Quantum	8P	Rig Service
06/19/2025	05:35	05:39	0.07	12773.00	12773.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	05:39	06:39	1.00	12773.00	12868.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12773.00 t/12868.00, w/WOB 58.00,Flow 650.00, RPM40.00, Press 3150.00, Tq 15.20, ROP 95.00, Diff 350.00, Temp 183.00
06/19/2025	06:39	06:44	0.08	12868.00	12868.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	06:44	07:51	1.12	12868.00	12963.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12868.00 t/12963.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 85.07, Diff 350.00, Temp 183.00
06/19/2025	07:51	07:56	0.08	12963.00	12963.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	07:56	09:02	1.10	12963.00	13057.00	94.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/12963.00 t/13044.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 73.64, Diff 350.00, Temp 183.00
06/19/2025	09:02	09:32	0.50	13057.00	13057.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Work On Pump 3 Mod 1
06/19/2025	09:32	09:37	0.08	13057.00	13057.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	09:37	10:45	1.13	13057.00	13152.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13057.00 t/13152.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 83.82, Diff 350.00, Temp 186.00
06/19/2025	10:45	10:50	0.08	13152.00	13152.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	10:50	11:57	1.12	13152.00	13247.00	95.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13152.00 t/13247.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 85.07, Diff 350.00, Temp 186.00
06/19/2025	11:57	12:02	0.08	13247.00	13247.00	0.00	INT	14: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/19/2025	12:02	12:07	0.08	13247.00	13257.00	10.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13247.00 t/13257.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 120.00, Diff 350.00, Temp 186.00
06/19/2025	12:07	12:47	0.67	13257.00	13270.00	13.00	INT	14: 8.5 Production BHA-Quantum	2J	Slide Drill f/13257.00 t/13270.00, TF 195.00M, w/WOB 55.00,Flow 650.00, Press 3250.00, Tq 15.20, ROP 19.50, Diff 350.00, Temp 186.00
06/19/2025	12:47	13:12	0.42	13270.00	13284.00	14.00	INT	14: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13270.00 t/13284.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3250.00, Tq 15.20, ROP 33.60, Diff 350.00, Temp 186.00
06/19/2025	13:12	13:30	0.30	13284.00	13284.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Circ Bottoms Up
06/19/2025	13:30	13:37	0.12	13284.00	13284.00	0.00	INT	14: 8.5 Production BHA-Quantum	24A	Flow Check
06/19/2025	13:37	13:43	0.10	13284.00	13284.00	0.00	INT	14: 8.5 Production BHA-Quantum	5A	Pump Dry Job
06/19/2025	13:43	21:00	7.28	13284.00	13284.00	0.00	INT	14: 8.5 Production BHA-Quantum	6B	POOH
06/19/2025	21:00	21:45	0.75	13284.00	13284.00	0.00	INT	14: 8.5 Production BHA-Quantum	6P	LD BHA
06/19/2025	21:45	23:00	1.25	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	6O	PU BHA
06/19/2025	23:00	24:00	1.00	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	6A	TIH

Daily Drilling Report 06/20/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	29	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/20/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

TIH, and Drill Production

24Hr Lookahead

TOOH, Change BHA, TIH

Drilling Summary	24Hr (BHA 15)	Run (BHA 15)	Casing Data		Fluids			
Start Depth (Usft)	13284.00	13284.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	14396.00	14396.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.80
Total Drilled (Usft)	1112	1112	**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.45
Slide Drilled (Usft)	87	87	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	1025	1048	**SN**	78643	**6**	1.00	**PH**	8.00
Drlg/Circ Hrs	9.78 / 3.47	10.03 / 5.72	**Bit #**	15	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs	2.00	2.00	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	7.78	8.03	**TFA**	1.035	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	131.69 / 43.50	130.46 / 43.50	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	24.00	25.00	**Grade Out**	3-8-RO-N-X-I-BT-PR	**YP**	1.00		
%Slide	7.82	7.82	**Make**	Ulterra	**Viscosity**	28.00		
%Rotary	92.18	94.24	**Model**	SCR613	**Chlorides**	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	John Hughes					Jonathan Quade					
Jon Rohman	Julian Parras	Mark Thompson										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR613 (6x15) 1.035 TFA - 1.03 (6x15)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	6.940				150.00	38.99	39.99
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.07	43.06
6 3/4 UBHO	6.540	2.875			90.00	2.61	45.67
6 1/2 NMDC	6.340	3.250			90.00	28.28	73.95
8 1/4 NM4 Blade Stabilizer	6.800	3.250			90.00	5.93	79.88
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	83.39
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	88.76
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	545.15
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	548.71
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	7.250		60.87	657.87	1206.58

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-064		CAM	7/8	4.80	0.50	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
13284.00	6.34	279.98	13262.70	-182.71	-371.03	0.47	37.25	353.69	0.38	2.57	95.00
13379.00	6.27	283.34	13357.12	-180.60	-381.24	0.40	102.41	364.05	-0.07	3.54	95.00
13474.00	7.14	277.86	13451.47	-178.60	-392.14	1.14	-39.07	375.08	0.92	-5.77	95.00
13568.00	6.69	279.05	13544.79	-176.94	-403.33	0.50	162.93	386.38	-0.48	1.27	94.00
13663.00	7.18	267.17	13639.10	-176.36	-414.73	1.59	-77.10	397.78	0.52	-12.51	95.00
13758.00	6.87	268.55	13733.38	-176.80	-426.34	0.37	152.12	409.31	-0.33	1.45	95.00
13853.00	6.06	273.70	13827.78	-176.62	-437.02	1.05	146.94	419.97	-0.85	5.42	95.00
13947.00	5.76	276.93	13921.28	-175.73	-446.66	0.48	133.65	429.64	-0.32	3.44	94.00
14042.00	6.76	269.45	14015.71	-175.21	-456.98	1.36	-42.96	439.97	1.05	-7.87	95.00
14137.00	6.31	274.16	14110.10	-174.88	-467.78	0.74	132.34	450.76	-0.47	4.96	95.00
14232.00	6.13	276.24	14204.54	-173.95	-478.03	0.30	129.65	461.05	-0.19	2.19	95.00
14327.00	7.20	268.41	14298.90	-173.57	-489.02	1.48	-44.28	472.03	1.13	-8.24	95.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	113.66	59.67	40.00	198.00	657.89	3319.74	2997.37	202.00	417.63	400.53	385.26	15.32	9.50
Run	113.12	59.67	40.00	198.00	657.89	3319.74	2997.37	202.00	417.63	400.53	385.26	15.32	9.50

MWD Data							
Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics					
Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/20/2025	00:00	00:15	0.25	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	6A	TIH
06/20/2025	00:15	01:15	1.00	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	9A	Slip and cut
06/20/2025	01:15	02:15	1.00	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	24A	Change Saver Sub
06/20/2025	02:15	02:45	0.50	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	8P	
06/20/2025	02:45	07:11	4.43	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	6A	TIH to 9350
06/20/2025	07:11	07:40	0.48	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	5A	Fill Pipe and Cool Well 260? - 235?
06/20/2025	07:40	08:20	0.67	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	6A	TIH 9400 - 10900
06/20/2025	08:20	08:55	0.58	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	5A	Fill Pipe and Cool MWD 275?-240?
06/20/2025	08:55	09:28	0.55	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	6A	TIH 10959 - 12204
06/20/2025	09:28	10:12	0.73	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	5A	Fill and Cool MWD 293? - 250?
06/20/2025	10:12	10:29	0.28	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	6A	TIH 12289 - 12773
06/20/2025	10:29	11:31	1.03	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	5A	Wash to Bottom From 12773 Cooling the well 278?
06/20/2025	11:31	12:09	0.63	13284.00	13284.00	0.00	INT	15: 8.5 Production BHA-Quantum	5A	Replace Swab and liner on MP2 while Cooling the well with MP3.
06/20/2025	12:09	12:38	0.48	13284.00	13342.00	58.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13284.00 t/13342.00, w/WOB 55.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 120.00, Diff 315.00, Temp 240.00
06/20/2025	12:38	12:43	0.08	13342.00	13342.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	12:43	13:21	0.63	13342.00	13437.00	95.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13342.00 t/13437.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 150.00, Diff 315.00, Temp 217.00
06/20/2025	13:21	13:26	0.08	13437.00	13437.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	13:26	13:32	0.10	13437.00	13447.00	10.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13437.00 t/13447.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 100.00, Diff 315.00, Temp 217.00
06/20/2025	13:32	13:54	0.37	13447.00	13465.00	18.00	INT	15: 8.5 Production BHA-Quantum	2J	Slide Drill f/13447.00 t/13465.00, TF 200.00M, w/WOB 60.00,Flow 650.00, Press 3265.00, Tq 0.00, ROP 49.09, Diff 315.00, Temp 217.00
06/20/2025	13:54	14:20	0.43	13465.00	13532.00	67.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13465.00 t/13532.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 154.62, Diff 315.00, Temp 217.00
06/20/2025	14:20	14:25	0.08	13532.00	13532.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	14:25	15:07	0.70	13532.00	13626.00	94.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13532.00 t/13626.00, w/WOB 60.00,Flow 700.00, RPM40.00, Press 3600.00, Tq 15.20, ROP 134.29, Diff 350.00, Temp 208.00
06/20/2025	15:07	15:13	0.10	13626.00	13626.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	15:13	15:45	0.53	13626.00	13651.00	25.00	INT	15: 8.5 Production BHA-Quantum	2J	Slide Drill f/13626.00 t/13651.00, TF 180.00M, w/WOB 60.00,Flow 700.00, Press 3600.00, Tq 0.00, ROP 46.88, Diff 350.00, Temp 208.00
06/20/2025	15:45	16:15	0.50	13651.00	13721.00	70.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13651.00 t/13721.00, w/WOB 60.00,Flow 700.00, RPM40.00, Press 3600.00, Tq 15.20, ROP 140.00, Diff 350.00, Temp 204.00
06/20/2025	16:15	16:20	0.08	13721.00	13721.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	16:20	17:03	0.72	13721.00	13816.00	95.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13721.00 t/13816.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 132.56, Diff 315.00, Temp 204.00
06/20/2025	17:03	17:08	0.08	13816.00	13816.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	17:08	17:47	0.65	13816.00	13911.00	95.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13816.00 t/13911.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 146.15, Diff 315.00, Temp 208.00
06/20/2025	17:47	17:53	0.10	13911.00	13911.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	17:53	18:12	0.32	13911.00	13950.00	39.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13911.00 t/13950.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 123.16, Diff 315.00, Temp 208.00
06/20/2025	18:12	18:53	0.68	13950.00	13950.00	0.00	INT	15: 8.5 Production BHA-Quantum	8A	Change Swab on Pump #3
06/20/2025	18:53	19:18	0.42	13950.00	14005.00	55.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/13950.00 t/14005.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 132.00, Diff 315.00, Temp 208.00
06/20/2025	19:18	19:30	0.20	14005.00	14005.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	19:30	20:06	0.60	14005.00	14026.00	21.00	INT	15: 8.5 Production BHA-Quantum	2J	Slide Drill f/14005.00 t/14026.00, TF 210.00M, w/WOB 0.00,Flow 650.00, Press 3265.00, Tq 15.20, ROP 35.00, Diff 315.00, Temp 208.00
06/20/2025	20:06	20:45	0.65	14026.00	14100.00	74.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14026.00 t/14100.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 113.85, Diff 315.00, Temp 208.00

06/20/2025	20:45	20:51	0.10	14100.00	14100.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	20:51	21:37	0.77	14100.00	14195.00	95.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14100.00 t/14195.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 123.91, Diff 315.00, Temp 208.00
06/20/2025	21:37	21:48	0.18	14195.00	14195.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	21:48	22:33	0.75	14195.00	14290.00	95.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14195.00 t/14290.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3300.00, Tq 17.00, ROP 126.67, Diff 350.00, Temp 208.00
06/20/2025	22:33	22:44	0.18	14290.00	14290.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	22:44	23:14	0.50	14290.00	14313.00	23.00	INT	15: 8.5 Production BHA-Quantum	2J	Slide Drill f/14290.00 t/14313.00, TF 210.00M, w/WOB 0.00,Flow 650.00, Press 3265.00, Tq 15.20, ROP 46.00, Diff 315.00, Temp 208.00
06/20/2025	23:14	23:49	0.58	14313.00	14385.00	72.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14313.00 t/14385.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 123.43, Diff 315.00, Temp 208.00
06/20/2025	23:49	23:55	0.10	14385.00	14385.00	0.00	INT	15: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/20/2025	23:55	24:00	0.08	14385.00	14396.00	11.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14385.00 t/14396.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 132.00, Diff 315.00, Temp 208.00

Daily Drilling Report 06/21/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	30	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/21/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

TOOH, Change BHA, TIH

24Hr Lookahead

Drill Production

Drilling Summary	24Hr (BHA 16/BHA 15)	Run (BHA 16)	Casing Data		Fluids			
Start Depth (Usft)	14396.00	14419.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	14419.00	14419.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.80
Total Drilled (Usft)	23		**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.45
Slide Drilled (Usft)		280	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	23	1135	**SN**	78643	**6**	1.00	**PH**	8.00
Drlg/Circ Hrs	0.25 / 6.58	18.88 / 5.20	**Bit #**	15	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs		5.93	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	0.25	12.95	**TFA**	1.035	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	92.00 / 0.00	87.64 / 47.19	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	22.75	12.25	**Grade Out**	3-8-RO-N-X-I-BT-PR	**YP**	1.00		
%Slide			**Make**	Ulterra	**Viscosity**	28.00		
%Rotary	100.00		**Model**	SCR613	**Chlorides**	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR613 (6x15) 1.035 TFA - 1.03 (6x15)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	6.940				150.00	38.99	39.99
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.07	43.06
6 3/4 UBHO	6.540	2.875			90.00	2.61	45.67
6 1/2 NMDC	6.340	3.250			90.00	28.28	73.95
8 1/4 NM4 Blade Stabilizer	6.800	3.250			90.00	5.93	79.88
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	83.39
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	88.76
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	545.15
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	548.71
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	7.250		60.87	657.87	1206.58

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-064		CAM	7/8	4.80	0.50	0.24	FBH	8.5

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	92.00	59.67	40.00	198.00	657.89	3319.74	2997.37	202.00	417.63	400.53	385.26	15.32	9.50
Run	113.12	59.67	40.00	198.00	657.89	3319.74	2997.37	202.00	417.63	400.53	385.26	15.32	9.50

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/21/2025	00:00	00:15	0.25	14396.00	14419.00	23.00	INT	15: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14396.00 t/14419.00, w/WOB 60.00,Flow 650.00, RPM40.00, Press 3265.00, Tq 15.20, ROP 92.00, Diff 315.00, Temp 208.00
06/21/2025	00:15	02:30	2.25	14419.00	14419.00	0.00	INT	15: 8.5 Production BHA-Quantum	5B	Clean Hole, Flow Check, and pump Slug
06/21/2025	02:30	09:45	7.25	14419.00	14419.00	0.00	INT	15: 8.5 Production BHA-Quantum	6B	TOOH
06/21/2025	09:45	10:30	0.75	14419.00	14419.00	0.00	INT	15: 8.5 Production BHA-Quantum	6P	Lay Down MWD, Break Bit, Install PUK sensor in Motor Bit Box
06/21/2025	10:30	11:45	1.25	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6O	Make Up Bit, Install Black Box Sub, Change Bit Per Oxy, Scribe, Install MWD Probe, Check Float Sub and Filter Sub.
06/21/2025	11:45	13:00	1.25	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6A	TIH
06/21/2025	13:00	13:30	0.50	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	8P	Service Rig
06/21/2025	13:30	15:00	1.50	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6A	TIH to 4200
06/21/2025	15:00	15:17	0.28	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Fill Pipe and Test MWD Tool. Temp was 167?
06/21/2025	15:17	17:22	2.08	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6A	TIH 4200 - 9260
06/21/2025	17:22	18:00	0.63	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Start temp 255? and end temp 228? @ 350 GPM
06/21/2025	18:00	19:05	1.08	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6A	9260 to 10867
06/21/2025	19:05	19:35	0.50	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Start temp 273? and end temp 244? @ 350 GPM
06/21/2025	19:35	20:08	0.55	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6A	From 10867 to 12037
06/21/2025	20:08	20:35	0.45	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Start temp 282? and end temp 251? @ 500 GPM
06/21/2025	20:35	21:06	0.52	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6A	From 12037 to 12945
06/21/2025	21:06	21:34	0.47	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Start temp 298? and end temp 253? @ 500 GPM
06/21/2025	21:34	22:00	0.43	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	6A	From 12945 to 13618
06/21/2025	22:00	24:00	2.00	14419.00	14419.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Wash to Bottom From 13618 Cooling the well 303? to 266?

Daily Drilling Report 06/22/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	31	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/22/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Prod, Squeeze LCM, Drill Prod

24Hr Lookahead

Drill Production, round trip for Halliburton MWD and Ranging Tool

Drilling Summary	24Hr (BHA 16)	Run (BHA 16)	Casing Data		Fluids			
Start Depth (Usft)	14419.00	14419.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	15834.00	15834.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)	1415	1415	**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)	280	303	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	1135	1352	**SN**	SP2141	**6**	1.00	**PH**	7.00
Drlg/Circ Hrs	18.88 / 0.87	21.92 / 7.48	**Bit #**	16	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs	5.93	6.40	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	12.95	15.52	**TFA**	1.032	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	87.64 / 47.19	87.13 / 47.34	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	24.00	36.25	**Grade Out**	8-8-RO-S-X-I-CR-PR	**YP**	1.00		
%Slide	19.79	21.41	**Make**	Smith	**Viscosity**	27.00		
%Rotary	80.21	95.55	**Model**	BTZ713	**Chlorides**	600.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Smith BTZ713 (1x13 6x14) 1.03 TFA - 1.03 (1x13, 6x14)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	6.940				150.00	38.99	39.99
Black Box Sensor Sub	6.380	3.500				5.93	45.92
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.07	48.99
6 3/4 UBHO	6.540	2.875			90.00	2.61	51.60
6 1/2 NMDC	6.340	3.250			90.00	28.28	79.88
8 1/4 NM4 Blade Stabilizer	6.800	3.250			90.00	5.93	85.81
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	89.32
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	94.69
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	551.08
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	554.64
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	7.250		60.87	657.87	1212.51

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-064	Scout	CAM	7/8	4.80	0.50	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
14421.00	6.61	275.00	14392.22	-173.26	-500.30	1.05	129.92	483.30	-0.63	7.01	94.00
14516.00	6.06	284.12	14486.64	-171.56	-510.61	1.21	123.14	493.72	-0.58	9.60	95.00
14611.00	5.93	287.67	14581.12	-168.85	-520.15	0.41	111.08	503.45	-0.14	3.74	95.00
14706.00	6.54	291.45	14675.56	-165.38	-529.86	0.77	35.83	513.43	0.64	3.98	95.00
14800.00	7.00	285.76	14768.90	-161.87	-540.36	0.86	-58.41	524.19	0.49	-6.05	94.00
14896.00	7.39	283.60	14864.15	-158.82	-551.99	0.49	-35.82	536.04	0.41	-2.25	96.00
14990.00	7.58	285.77	14957.35	-155.72	-563.83	0.36	57.17	548.11	0.20	2.31	94.00
15085.00	8.19	286.42	15051.45	-152.10	-576.35	0.65	8.64	560.90	0.64	0.68	95.00
15180.00	9.20	280.62	15145.36	-148.79	-590.31	1.41	-43.85	575.09	1.06	-6.11	95.00
15275.00	8.90	279.60	15239.17	-146.17	-605.02	0.36	-152.36	589.97	-0.32	-1.07	95.00
15370.00	8.87	274.72	15333.03	-144.34	-619.56	0.79	-94.69	604.62	-0.03	-5.14	95.00
15464.00	8.48	271.07	15425.96	-143.61	-633.71	0.72	-127.11	618.79	-0.41	-3.88	94.00
15559.00	8.03	270.21	15519.98	-143.46	-647.35	0.49	-165.08	632.39	-0.47	-0.91	95.00
15654.00	6.77	264.85	15614.18	-143.93	-659.57	1.51	-153.92	644.51	-1.33	-5.64	95.00
15749.00	6.45	265.34	15708.55	-144.87	-670.46	0.34	170.25	655.28	-0.34	0.52	95.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	74.93	56.00	40.00	196.00	650.00	3074.31	2698.28	202.00	483.07	436.24	404.90	17.79	12.13
Run	75.51	56.00	40.00	196.00	650.00	3074.31	2698.28	202.00	483.07	436.24	404.90	17.79	12.13

MWD Data							
Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				Orifice		Plug In Date	
Driver				Orifice Type		Plug In Time	
Directional				Pulse Width		Plug Out Date	
Battery 1				Data Rate		Plug Out Time	
Battery 2				EM Power		Plug In Hrs Tot	0.00
Battery 3				EM Freq		Plug In Hrs Day	0.00
Gamma				Fin Size (in)		Circ Hrs Total	0.00
Helix				Non Mag Above/Below	20.14 / 17.96	Circ Hours Day	0.00

Magnetics					
Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/22/2025	00:00	00:30	0.50	14419.00	14485.00	66.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14419.00 t/14485.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3300.00, Tq 16.50, ROP 132.00, Diff 500.00, Temp 266.00
06/22/2025	00:30	00:39	0.15	14485.00	14485.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	00:39	01:18	0.65	14485.00	14580.00	95.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14485.00 t/14580.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3300.00, Tq 16.50, ROP 146.15, Diff 500.00, Temp 224.00
06/22/2025	01:18	01:28	0.17	14580.00	14580.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	01:28	01:56	0.47	14580.00	14605.00	25.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/14580.00 t/14605.00, TF 200.00M, w/WOB 56.00,Flow 650.00, Press 3300.00, Tq 16.50, ROP 53.57, Diff 500.00, Temp 217.00
06/22/2025	01:56	02:31	0.58	14605.00	14675.00	70.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14605.00 t/14675.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3300.00, Tq 16.50, ROP 120.00, Diff 500.00, Temp 216.00
06/22/2025	02:31	02:37	0.10	14675.00	14675.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	02:37	02:46	0.15	14675.00	14681.00	6.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14675.00 t/14681.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3300.00, Tq 16.50, ROP 40.00, Diff 500.00, Temp 216.00
06/22/2025	02:46	03:13	0.45	14681.00	14706.00	25.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/14681.00 t/14706.00, TF 230.00M, w/WOB 56.00,Flow 650.00, Press 3300.00, Tq 16.50, ROP 55.56, Diff 500.00, Temp 215.00
06/22/2025	03:13	03:47	0.57	14706.00	14770.00	64.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14706.00 t/14770.00, w/WOB 56.00,Flow 650.00, RPM 0.00, Press 3300.00, Tq 16.50, ROP 112.94, Diff 500.00, Temp 212.00
06/22/2025	03:47	03:59	0.20	14770.00	14770.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	03:59	04:13	0.23	14770.00	14800.00	30.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/14770.00 t/14800.00, TF 200.00M, w/WOB 56.00,Flow 650.00, Press 3300.00, Tq 16.50, ROP 128.57, Diff 500.00, Temp 208.00
06/22/2025	04:13	04:31	0.30	14800.00	14800.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	04:31	05:12	0.68	14800.00	14864.00	64.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14800.00 t/14864.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3300.00, Tq 16.50, ROP 93.66, Diff 500.00, Temp 208.00
06/22/2025	05:12	05:24	0.20	14864.00	14864.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	05:24	05:58	0.57	14864.00	14894.00	30.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/14864.00 t/14894.00, TF 195.00M, w/WOB 56.00,Flow 650.00, Press 3300.00, Tq 16.50, ROP 52.94, Diff 500.00, Temp 208.00
06/22/2025	05:58	06:39	0.68	14894.00	14960.00	66.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14894.00 t/14960.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3175.00, Tq 17.10, ROP 96.59, Diff 375.00, Temp 206.00
06/22/2025	06:39	06:50	0.18	14960.00	14960.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	06:50	07:54	1.07	14960.00	15054.00	94.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/14960.00 t/15054.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2850.00, Tq 18.50, ROP 88.13, Diff 350.00, Temp 195.00 - 14959 No Returns
06/22/2025	07:54	08:00	0.10	15054.00	15054.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	08:00	08:36	0.60	15054.00	15104.00	50.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15054.00 t/15104.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2850.00, Tq 18.50, ROP 83.33, Diff 350.00, Temp 195.00 LITTLE TO NO RETURNS
06/22/2025	08:36	08:50	0.23	15104.00	15104.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Circ LCM out of pipe
06/22/2025	08:50	09:40	0.83	15104.00	15149.00	45.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15104.00 t/15149.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2900.00, Tq 18.50, ROP 54.00, Diff 350.00, Temp 195.00 - PARTIAL RETURNS
06/22/2025	09:40	09:55	0.25	15149.00	15149.00	0.00	INT	16: 8.5 Production BHA-Quantum	6G	Rack Back 2 Stands
06/22/2025	09:55	10:33	0.63	15149.00	15149.00	0.00	INT	16: 8.5 Production BHA-Quantum	5A	Circ and Spot LCM Sweep
06/22/2025	10:33	11:30	0.95	15149.00	15149.00	0.00	INT	16: 8.5 Production BHA-Quantum	24C	Squeeze LCM Sweep
06/22/2025	11:30	12:00	0.50	15149.00	15149.00	0.00	INT	16: 8.5 Production BHA-Quantum	6F	Trip in and wash last stand to bottom.
06/22/2025	12:00	12:04	0.07	15149.00	15149.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	12:04	12:07	0.05	15149.00	15158.00	9.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15149.00 t/15158.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2900.00, Tq 18.50, ROP 180.00, Diff 350.00, Temp 195.00
06/22/2025	12:07	12:50	0.72	15158.00	15188.00	30.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/15158.00 t/15188.00, TF 165.00M, w/WOB 56.00,Flow 650.00, Press 2900.00, Tq 18.50, ROP 41.86, Diff 350.00, Temp 192.00
06/22/2025	12:50	13:41	0.85	15188.00	15244.00	56.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15188.00 t/15244.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2900.00, Tq 18.50, ROP 65.88, Diff 350.00, Temp 156.00
06/22/2025	13:41	13:46	0.08	15244.00	15244.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	13:46	14:22	0.60	15244.00	15264.00	20.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/15244.00 t/15264.00, TF 115.00M, w/WOB 56.00,Flow 650.00, Press 2900.00, Tq 18.50, ROP 33.33, Diff 350.00, Temp 156.00
06/22/2025	14:22	15:26	1.07	15264.00	15339.00	75.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15264.00 t/15339.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2980.00, Tq 18.50, ROP 70.31, Diff 280.00, Temp 156.00
06/22/2025	15:26	15:33	0.12	15339.00	15339.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	15:33	16:22	0.82	15339.00	15369.00	30.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/15339.00 t/15369.00, TF 115.00M, w/WOB 56.00,Flow 650.00, Press 2980.00, Tq 18.50, ROP 36.73, Diff 280.00, Temp 158.00

06/22/2025	16:22	17:12	0.83	15369.00	15434.00	65.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15369.00 t/15434.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2980.00, Tq 18.50, ROP 78.00, Diff 280.00, Temp 158.00
06/22/2025	17:12	17:17	0.08	15434.00	15434.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	17:17	18:01	0.73	15434.00	15464.00	30.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/15434.00 t/15464.00, TF 90.00M, w/WOB 56.00,Flow 650.00, Press 2980.00, Tq 18.50, ROP 40.91, Diff 280.00, Temp 158.00
06/22/2025	18:01	18:56	0.92	15464.00	15528.00	64.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15464.00 t/15528.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2980.00, Tq 18.50, ROP 69.82, Diff 280.00, Temp 158.00
06/22/2025	18:56	19:10	0.23	15528.00	15528.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	19:10	19:50	0.67	15528.00	15558.00	30.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/15528.00 t/15558.00, TF 80.00M, w/WOB 56.00,Flow 650.00, Press 2980.00, Tq 18.50, ROP 45.00, Diff 280.00, Temp 158.00
06/22/2025	19:50	20:38	0.80	15558.00	15623.00	65.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15558.00 t/15623.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2980.00, Tq 18.50, ROP 81.25, Diff 280.00, Temp 158.00
06/22/2025	20:38	20:50	0.20	15623.00	15623.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	20:50	21:31	0.68	15623.00	15653.00	30.00	INT	16: 8.5 Production BHA-Quantum	2J	Slide Drill f/15623.00 t/15653.00, TF 105.00M, w/WOB 56.00,Flow 650.00, Press 2980.00, Tq 18.50, ROP 43.90, Diff 280.00, Temp 158.00
06/22/2025	21:31	22:18	0.78	15653.00	15718.00	65.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15653.00 t/15718.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2980.00, Tq 18.50, ROP 82.98, Diff 280.00, Temp 158.00
06/22/2025	22:18	22:29	0.18	15718.00	15718.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	22:29	23:36	1.12	15718.00	15813.00	95.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15718.00 t/15813.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2980.00, Tq 18.50, ROP 85.07, Diff 280.00, Temp 158.00
06/22/2025	23:36	23:47	0.18	15813.00	15813.00	0.00	INT	16: 8.5 Production BHA-Quantum	10D	Survey & Connection
06/22/2025	23:47	24:00	0.22	15813.00	15834.00	21.00	INT	16: 8.5 Production BHA-Quantum	2K	Rotary Drill f/15813.00 t/15834.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 2980.00, Tq 18.50, ROP 96.92, Diff 280.00, Temp 158.00

Daily Drilling Report 06/23/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	32	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/23/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Production, round trip for Halliburton MWD and Ranging Tool

24Hr Lookahead

TIH, Drill Production

Drilling Summary	24Hr (BHA 17/BHA 16)	Run (BHA 17)	Casing Data		Fluids			
Start Depth (Usft)	15834.00	16074.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	16074.00	16074.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)	240		**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)	23	51	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	217	785	**SN**	SP2141	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs	3.03 / 2.28	9.95 / 6.75	**Bit #**	16	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs	0.47	1.17	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	2.57	8.78	**TFA**	1.032	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	84.55 / 49.29	89.37 / 43.71	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	21.10	4.25	**Grade Out**	8-8-RO-S-X-I-CR-PR	**YP**	1.00		
%Slide	9.58		**Make**	Smith	**Viscosity**	27.00		
%Rotary	90.42		**Model**	BTZ713	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Julian Parras	Patrick Rhode										
Jon Rohman	Kolton Tobin	Chad Mitchell										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Smith BTZ713 (1x13 6x14) 1.03 TFA - 1.03 (1x13, 6x14)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	6.940				150.00	38.99	39.99
Black Box Sensor Sub	6.380	3.500				5.93	45.92
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.07	48.99
6 3/4 UBHO	6.540	2.875			90.00	2.61	51.60
6 1/2 NMDC	6.340	3.250			90.00	28.28	79.88
8 1/4 NM4 Blade Stabilizer	6.800	3.250			90.00	5.93	85.81
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	89.32
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	94.69
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	551.08
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	554.64
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	7.250		60.87	657.87	1212.51

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-064	Scout	CAM	7/8	4.80	0.50	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
15844.00	6.87	263.99	15802.91	-145.90	-681.43	0.47	-21.12	666.12	0.44	-1.42	95.00
15938.00	6.37	264.48	15896.28	-146.99	-692.21	0.54	173.80	676.77	-0.53	0.52	94.00
16008.00	6.65	262.11	15965.83	-147.92	-700.09	0.55	-45.00	684.53	0.40	-3.39	70.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	79.12	54.75	40.00	196.00	650.00	3040.00	2714.00	202.00	512.80	454.20	428.40	21.75	12.50
Run	75.51	55.78	40.00	196.00	650.00	3069.26	2700.59	202.00	487.44	438.88	408.35	18.59	12.20

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/23/2025	00:00	00:54	0.90	15834.00	15908.00	74.00	INT	16: 8.5 Production BHA- Quantum	2K	Rotary Drill f/15834.00 t/15908.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3150.00, Tq 21.00, ROP 82.22, Diff 350.00, Temp 162.00
06/23/2025	00:54	01:05	0.18	15908.00	15908.00	0.00	INT	16: 8.5 Production BHA- Quantum	10D	Survey & Connection
06/23/2025	01:05	01:33	0.47	15908.00	15931.00	23.00	INT	16: 8.5 Production BHA- Quantum	2J	Slide Drill f/15908.00 t/15931.00, TF 55.00M, w/WOB 56.00,Flow 650.00, Press 3150.00, Tq 21.00, ROP 49.29, Diff 350.00, Temp 162.00
06/23/2025	01:33	01:56	0.38	15931.00	15969.00	38.00	INT	16: 8.5 Production BHA- Quantum	2K	Rotary Drill f/15931.00 t/15969.00, w/WOB 56.00,Flow 650.00, RPM 40.00, Press 3150.00, Tq 21.00, ROP 99.13, Diff 350.00, Temp 162.00
06/23/2025	01:56	02:31	0.58	15969.00	15969.00	0.00	INT	16: 8.5 Production BHA- Quantum	26A	Pason turn off for an update while drilling, loss return once kick on pumps, fill back side with pump #1. Possible Cavern
06/23/2025	02:31	02:52	0.35	15969.00	16002.00	33.00	INT	16: 8.5 Production BHA- Quantum	2K	Rotary Drill f/15969.00 t/16002.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 2900.00, Tq 23.00, ROP 94.29, Diff 400.00, Temp 145.00 - Weights and pressure change possible change going thru cavern
06/23/2025	02:52	03:13	0.35	16002.00	16002.00	0.00	INT	16: 8.5 Production BHA- Quantum	10D	Survey & Connection
06/23/2025	03:13	04:09	0.93	16002.00	16074.00	72.00	INT	16: 8.5 Production BHA- Quantum	2K	Rotary Drill f/16002.00 t/16074.00, w/WOB 57.00,Flow 650.00, RPM 40.00, Press 2850.00, Tq 22.00, ROP 77.14, Diff 180.00, Temp 136.00
06/23/2025	04:09	04:30	0.35	16074.00	16074.00	0.00	INT	16: 8.5 Production BHA- Quantum	5A	Circulate
06/23/2025	04:30	06:19	1.82	16074.00	16074.00	0.00	INT	16: 8.5 Production BHA- Quantum	6B	TOOH to 13731
06/23/2025	06:19	08:15	1.93	16074.00	16074.00	0.00	INT	16: 8.5 Production BHA- Quantum	5A	Circulate and Spot LCM Pill
06/23/2025	08:15	15:48	7.55	16074.00	16074.00	0.00	INT	16: 8.5 Production BHA- Quantum	6B	TOOH 13371 - xxxx
06/23/2025	15:48	16:51	1.05	16074.00	16074.00	0.00	INT	16: 8.5 Production BHA- Quantum	6P	L/D BHA
06/23/2025	16:51	18:00	1.15	16074.00	16074.00	0.00	INT		24A	Prep Rig Floor for BHA, Rig Service, Handover
06/23/2025	18:00	19:45	1.75	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA- Halliburton	6O	Pick Up Halliburton BHA
06/23/2025	19:45	24:00	4.25	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA- Halliburton	6A	TIH

Daily Drilling Report 06/24/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	33	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/24/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Production

24Hr Lookahead

Drill Production

Drilling Summary	24Hr (BHA 17)	Run (BHA 17)	Casing Data		Fluids			
Start Depth (Usft)	16074.00	16074.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	16910.00	16910.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)	836	836	**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)	51	73	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	785	1167	**SN**	SP2144	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs	9.95 / 6.75	15.53 / 15.68	**Bit #**	17	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs	1.17	1.80	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	8.78	13.73	**TFA**	1.052	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	89.37 / 43.71	84.98 / 40.56	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	24.00	28.25	**Grade Out**	2-8-CT-A-X-I-RO-BHA	**YP**	1.00		
%Slide	6.10	8.73	**Make**	Smith	**Viscosity**	27.00		
%Rotary	93.90	139.59	**Model**	BTZ713	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Smith BTZ713 (7x14) 1.05 TFA) - 1.05 (7x14)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)	6.940				150.00	39.04	40.04
NOV Black Box Sensor Sub	6.380	3.500				5.93	45.97
8.5 Roller Reamer	6.670	2.250			90.00	5.65	51.62
6 1/2 NMPC	6.350	3.250			90.00	13.68	65.30
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000			90.00	29.89	95.19
Halliburton TM Collar	6.750	2.875			90.00	15.39	110.58
6 1/2 NMDC	6.300	3.250			90.00	26.91	137.49
6 1/2 NMDC	6.340	3.250			90.00	28.28	165.77
8.5 Roller Reamer	6.670	2.250			90.00	5.93	171.70
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	175.21
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	180.58
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	636.97
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	640.53
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250			52.56	657.87	1298.40

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-098		Cam	7/8	5.50	1.00	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
16008.00	6.65	262.11	15965.83	-147.92	-700.09	0.55	-45.00	684.53	0.40	-3.39	70.00
16198.00	7.39	250.53	16154.42	-153.50	-722.51	0.84	-68.22	706.38	0.39	-6.09	190.00
16293.00	6.34	258.55	16248.74	-156.58	-733.41	1.49	141.54	716.97	-1.11	8.44	95.00
16388.00	6.24	262.85	16343.16	-158.26	-743.68	0.51	104.12	727.05	-0.11	4.53	95.00
16483.00	5.34	271.57	16437.68	-158.79	-753.22	1.32	139.94	736.51	-0.95	9.18	95.00
16578.00	4.57	279.48	16532.33	-158.04	-761.37	1.08	142.31	744.70	-0.81	8.33	95.00
16672.00	4.09	280.31	16626.06	-156.82	-768.36	0.51	172.98	751.77	-0.51	0.88	94.00
16767.00	4.75	280.55	16720.77	-155.50	-775.56	0.70	1.72	759.06	0.69	0.25	95.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	84.02	53.18	41.36	199.00	657.14	3339.64	2989.29	202.00	515.00	477.00	460.00	25.20	20.00
Run	83.73	53.18	41.36	199.00	657.14	3339.64	2989.29	202.00	515.00	477.00	460.00	25.20	20.00

MWD Data							
Tool	**SN**	**Type**	**Version**	**MWD Details**		**Battery Details**	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics					
Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/24/2025	00:00	00:38	0.63	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Circ @ 6000 Temp 77?
06/24/2025	00:38	01:44	1.10	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 6600 - 7935
06/24/2025	01:44	02:00	0.27	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Circ MWD Temp 86?
06/24/2025	02:00	03:00	1.00	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 7935 - 9934
06/24/2025	03:00	03:12	0.20	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Fill Pipe and Circ MWD Temp 99?
06/24/2025	03:12	03:48	0.60	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 9934 - 11159
06/24/2025	03:48	04:11	0.38	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Fill and Circ MWD Temp 108?
06/24/2025	04:11	04:51	0.67	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 11159 - 12485
06/24/2025	04:51	05:12	0.35	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Fill and Circ MWD Temp 120?
06/24/2025	05:12	05:42	0.50	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 12485 - 13550
06/24/2025	05:42	06:05	0.38	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Circ MWD Temp 127?
06/24/2025	06:05	06:30	0.42	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 13550 - 14573
06/24/2025	06:30	06:48	0.30	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Circ, MWD Temp 138?
06/24/2025	06:48	07:14	0.43	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 14573 - 15520
06/24/2025	07:14	07:35	0.35	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Circ MWD Temp 224-201
06/24/2025	07:35	07:52	0.28	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6A	TIH 15520 - 15935
06/24/2025	07:52	08:14	0.37	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Circ and wash to bottom 15935 - 16067
06/24/2025	08:14	09:48	1.57	16074.00	16074.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Ranging Shots
06/24/2025	09:48	09:53	0.08	16074.00	16088.00	14.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16074.00 t/16088.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3304.00, Tq 25.20, ROP 168.00, Diff 454.00, Temp 143.00
06/24/2025	09:53	09:58	0.08	16088.00	16088.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	09:58	10:46	0.80	16088.00	16183.00	95.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16088.00 t/16183.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3304.00, Tq 25.20, ROP 118.75, Diff 454.00, Temp 143.00
06/24/2025	10:46	11:06	0.33	16183.00	16183.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	11:06	11:48	0.70	16183.00	16278.00	95.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16183.00 t/16278.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3304.00, Tq 25.20, ROP 135.71, Diff 454.00, Temp 143.00
06/24/2025	11:48	12:02	0.23	16278.00	16278.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	12:02	12:27	0.42	16278.00	16298.00	20.00	INT	17: 8.5 Production BHA-Halliburton	2J	Slide Drill f/16278.00 t/16298.00, TF 155.00G, w/WOB 0.00,Flow 650.00, Press 3304.00, Tq 25.20, ROP 48.00, Diff 454.00, Temp 134.00
06/24/2025	12:27	13:10	0.72	16298.00	16373.00	75.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16298.00 t/16373.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3304.00, Tq 25.20, ROP 104.65, Diff 454.00, Temp 134.00
06/24/2025	13:10	13:22	0.20	16373.00	16373.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	13:22	14:23	1.02	16373.00	16468.00	95.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16373.00 t/16468.00, w/WOB 55.00,Flow 650.00, RPM 55.00, Press 3275.00, Tq 25.20, ROP 93.44, Diff 275.00, Temp 134.00
06/24/2025	14:23	14:36	0.22	16468.00	16468.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	14:36	14:47	0.18	16468.00	16481.00	13.00	INT	17: 8.5 Production BHA-Halliburton	2J	Slide Drill f/16468.00 t/16481.00, TF 135.00G, w/WOB 55.00,Flow 650.00, Press 3275.00, Tq 25.20, ROP 70.91, Diff 275.00, Temp 134.00
06/24/2025	14:47	15:42	0.92	16481.00	16563.00	82.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16481.00 t/16563.00, w/WOB 55.00,Flow 650.00, RPM 55.00, Press 3275.00, Tq 25.20, ROP 89.45, Diff 275.00, Temp 134.00
06/24/2025	15:42	17:39	1.95	16563.00	16563.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Ranging Shots
06/24/2025	17:39	17:43	0.07	16563.00	16563.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	17:43	18:50	1.12	16563.00	16658.00	95.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16563.00 t/16658.00, w/WOB 55.00,Flow 650.00, RPM 55.00, Press 3275.00, Tq 25.20, ROP 85.07, Diff 275.00, Temp 134.00
06/24/2025	18:50	19:00	0.17	16658.00	16658.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	19:00	20:15	1.25	16658.00	16730.00	72.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16658.00 t/16730.00, w/WOB 55.00,Flow 650.00, RPM 55.00, Press 3275.00, Tq 25.20, ROP 57.60, Diff 275.00, Temp 134.00
06/24/2025	20:15	20:52	0.62	16730.00	16730.00	0.00	INT	17: 8.5 Production BHA-Halliburton	8A	Repair Mud Pump
06/24/2025	20:52	21:12	0.33	16730.00	16752.00	22.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16730.00 t/16752.00, w/WOB 55.00,Flow 675.00, RPM 55.00, Press 3465.00, Tq 25.20, ROP 66.00, Diff 315.00, Temp 172.00
06/24/2025	21:12	21:28	0.27	16752.00	16752.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	21:28	22:02	0.57	16752.00	16770.00	18.00	INT	17: 8.5 Production BHA-Halliburton	2J	Slide Drill f/16752.00 t/16770.00, TF -30.00G, w/WOB 55.00,Flow 675.00, Press 3465.00, Tq 25.20, ROP 31.76, Diff 315.00, Temp 172.00
06/24/2025	22:02	23:00	0.97	16770.00	16847.00	77.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16770.00 t/16847.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3465.00, Tq 25.20, ROP 79.66, Diff 315.00, Temp 172.00
06/24/2025	23:00	23:07	0.12	16847.00	16847.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/24/2025	23:07	24:00	0.88	16847.00	16910.00	63.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16847.00 t/16910.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3465.00, Tq 25.20, ROP 71.32, Diff 315.00, Temp 172.00

Daily Drilling Report 06/25/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	34	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/25/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Production, Spot LCM, TOOH

24Hr Lookahead

TOOH, Change BHA, TIH

Drilling Summary	24Hr (BHA 17)	Run (BHA 17)	Casing Data		Fluids			
Start Depth (Usft)	16910.00	16074.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17314.00	17314.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)	404	1240	**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)	22	73	**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	382	1167	**SN**	SP2144	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs	5.58 / 8.93	15.53 / 21.43	**Bit #**	17	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs	0.63	1.80	**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	4.95	13.73	**TFA**	1.052	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	77.17 / 34.74	84.98 / 40.56	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	24.00	52.25	**Grade Out**	2-8-CT-A-X-I-RO-BHA	**YP**	1.00		
%Slide	5.45	5.89	**Make**	Smith	**Viscosity**	27.00		
%Rotary	94.55	94.11	**Model**	BTZ713	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Smith BTZ713 (7x14) 1.05 TFA) - 1.05 (7x14)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)	6.940				150.00	39.04	40.04
NOV Black Box Sensor Sub	6.380	3.500				5.93	45.97
8.5 Roller Reamer	6.670	2.250			90.00	5.65	51.62
6 1/2 NMPC	6.350	3.250			90.00	13.68	65.30
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000			90.00	29.89	95.19
Halliburton TM Collar	6.750	2.875			90.00	15.39	110.58
6 1/2 NMDC	6.300	3.250			90.00	26.91	137.49
6 1/2 NMDC	6.340	3.250			90.00	28.28	165.77
8.5 Roller Reamer	6.670	2.250			90.00	5.93	171.70
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	175.21
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	180.58
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	636.97
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	640.53
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250			52.56	657.87	1298.40

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-098		Cam	7/8	5.50	1.00	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
16862.00	3.64	289.72	16815.52	-153.76	-782.27	1.36	153.37	765.89	-1.17	9.65	95.00
16957.00	5.16	296.05	16910.24	-150.87	-788.94	1.68	20.89	772.79	1.60	6.66	95.00
17052.00	5.37	298.23	17004.84	-146.89	-796.70	0.31	44.70	780.87	0.22	2.29	95.00
17147.00	5.31	308.87	17099.43	-142.03	-804.04	1.04	98.75	788.60	-0.06	11.20	95.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	72.36	55.00	30.00	192.00	675.00	3457.50	3187.50	202.00	550.00	480.00	420.00	25.20	20.00
Run	79.83	53.57	38.93	198.00	661.11	3365.83	3033.33	202.00	522.78	477.67	451.11	25.20	20.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics					
Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/25/2025	00:00	00:25	0.42	16910.00	16942.00	32.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16910.00 t/16942.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3465.00, Tq 25.20, ROP 76.80, Diff 315.00, Temp 172.00
06/25/2025	00:25	00:42	0.28	16942.00	16942.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/25/2025	00:42	01:20	0.63	16942.00	16964.00	22.00	INT	17: 8.5 Production BHA-Halliburton	2J	Slide Drill f/16942.00 t/16964.00, TF -30.00G, w/WOB 50.00,Flow 675.00, Press 3400.00, Tq 25.20, ROP 34.74, Diff 200.00, Temp 172.00
06/25/2025	01:20	02:22	1.03	16964.00	17037.00	73.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/16964.00 t/17037.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3500.00, Tq 25.20, ROP 70.65, Diff 300.00, Temp 172.00
06/25/2025	02:22	03:48	1.43	17037.00	17037.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Ranging
06/25/2025	03:48	03:57	0.15	17037.00	17037.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/25/2025	03:57	04:57	1.00	17037.00	17115.00	78.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/17037.00 t/17115.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3465.00, Tq 25.20, ROP 78.00, Diff 265.00, Temp 172.00
06/25/2025	04:57	05:53	0.93	17115.00	17115.00	0.00	INT	17: 8.5 Production BHA-Halliburton	8A	Pump Repair
06/25/2025	05:53	06:04	0.18	17115.00	17132.00	17.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/17115.00 t/17132.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3465.00, Tq 25.20, ROP 92.73, Diff 265.00, Temp 172.00
06/25/2025	06:04	06:16	0.20	17132.00	17132.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/25/2025	06:16	07:25	1.15	17132.00	17227.00	95.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/17132.00 t/17227.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3465.00, Tq 25.20, ROP 82.61, Diff 265.00, Temp 158.00
06/25/2025	07:25	07:32	0.12	17227.00	17227.00	0.00	INT	17: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/25/2025	07:32	08:42	1.17	17227.00	17314.00	87.00	INT	17: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/17227.00 t/17314.00, w/WOB 55.00,Flow 675.00, RPM 30.00, Press 3465.00, Tq 25.20, ROP 74.57, Diff 265.00, Temp 172.00
06/25/2025	08:42	11:00	2.30	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA-Halliburton	3B	Work tight hole and loss Circulation.
06/25/2025	11:00	12:15	1.25	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6B	Trip out to 16689
06/25/2025	12:15	13:45	1.50	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Spot 40 BBLS LCM
06/25/2025	13:45	18:00	4.25	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA-Halliburton	6B	TOOH
06/25/2025	18:00	24:00	6.00	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA-Halliburton	5A	Pump LCM and Squeeze LCM

Daily Drilling Report 06/26/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	35	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/26/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

TOOH, Change BHA, TIH

Drilling Summary	24Hr (BHA 18/BHA 17)	Run (BHA 18)	Casing Data		Fluids			
Start Depth (Usft)	17314.00	17314.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17314.00	17314.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)		120	**SN**	SP2144	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs		0.85 / 17.67	**Bit #**	17	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs		0.85	**TFA**	1.052	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)		141.18 / 0.00	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	20.25	7.25	**Grade Out**	2-8-CT-A-X-I-RO-BHA	**YP**	1.00		
%Slide			**Make**	Smith	**Viscosity**	27.00		
%Rotary			**Model**	BTZ713	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Smith BTZ713 (7x14) 1.05 TFA) - 1.05 (7x14)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)	6.940				150.00	39.04	40.04
NOV Black Box Sensor Sub	6.380	3.500				5.93	45.97
8.5 Roller Reamer	6.670	2.250			90.00	5.65	51.62
6 1/2 NMPC	6.350	3.250			90.00	13.68	65.30
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000			90.00	29.89	95.19
Halliburton TM Collar	6.750	2.875			90.00	15.39	110.58
6 1/2 NMDC	6.300	3.250			90.00	26.91	137.49
6 1/2 NMDC	6.340	3.250			90.00	28.28	165.77
8.5 Roller Reamer	6.670	2.250			90.00	5.93	171.70
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	175.21
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	180.58
6-1/2 Drill Collar (5 Stands)	6.500	2.375		2.810	90.61	456.39	636.97
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	640.53
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250			52.56	657.87	1298.40

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-098		Cam	7/8	5.50	1.00	0.24	FBH	8.5

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	55.00	30.00	192.00	675.00	3457.50	3187.50	202.00	550.00	480.00	420.00	25.20	20.00
Run	79.83	53.57	38.93	198.00	661.11	3365.83	3033.33	202.00	522.78	477.67	451.11	25.20	20.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/26/2025	00:00	04:30	4.50	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA- Halliburton	5A	Pump LCM and Squeeze LCM
06/26/2025	04:30	05:25	0.92	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA- Halliburton	5A	Circulate
06/26/2025	05:25	05:40	0.25	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA- Halliburton	6B	POOH
06/26/2025	05:40	06:00	0.33	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA- Halliburton	5A	Circulate
06/26/2025	06:00	11:45	5.75	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA- Halliburton	6B	TOOH
06/26/2025	11:45	13:00	1.25	17314.00	17314.00	0.00	INT	17: 8.5 Production BHA- Halliburton	6P	
06/26/2025	13:00	15:15	2.25	17314.00	17314.00	0.00	INT		24A	Wait on Halliburton to Download MWD Tool & Cut Drill Line
06/26/2025	15:15	16:45	1.50	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6O	Pick up BHA # 18
06/26/2025	16:45	17:30	0.75	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6A	RIH
06/26/2025	17:30	18:15	0.75	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	5A	Fill & Test MWD
06/26/2025	18:15	20:15	2.00	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6A	RIH
06/26/2025	20:15	20:30	0.25	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	24A	Install RCD
06/26/2025	20:30	21:00	0.50	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	5A	Fill Pipe & Check MWD Temp @ 6K 108?
06/26/2025	21:00	22:00	1.00	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6A	RIH
06/26/2025	22:00	22:15	0.25	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	5A	Fill Pipe & Check MWD Temp @ 9K 145?
06/26/2025	22:15	23:15	1.00	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6A	RIH
06/26/2025	23:15	23:30	0.25	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	5A	Fill Pipe & Check MWD Temp @ 11K 180?
06/26/2025	23:30	24:00	0.50	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6A	RIH

Daily Drilling Report 06/27/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	36	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/27/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Production

Drilling Summary	24Hr (BHA 18)	Run (BHA 18)	Casing Data		Fluids			
Start Depth (Usft)	17314.00	17314.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17434.00	17434.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)	120	120	**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)	120	120	**SN**	78124	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs	0.85 / 15.92	0.85 / 23.42	**Bit #**	18	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	0.85	0.85	**TFA**	1.062	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	141.18 / 0.00	141.18 / 0.00	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	24.00	31.25	**Grade Out**	2-8-CT-S-X-I-RO-HP	**YP**	1.00		
%Slide			**Make**	Ulterra	**Viscosity**	27.00		
%Rotary	100.00	100.00	**Model**	SCR813	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR813 - 1.06 (4x11, 4x15)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (0.0 Fit)	7.010				150.00	39.10	40.10
NOV Black Box Sensor Sub	6.380	3.500				5.93	46.03
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.32	49.35
6 1/2 NMPC	6.350	3.250			90.00	13.68	63.03
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000			90.00	29.89	92.92
Halliburton TM Collar	6.750	2.875			90.00	15.39	108.31
8 1/4 NM4 Blade Stabilizer	6.780	3.250				5.84	114.15
6 1/2 NMDC	6.300	3.250			90.00	26.91	141.06
6 1/2 NMDC	6.340	3.250			90.00	28.28	169.34
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	172.85
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	178.22
6 1/2 Bico PBL Sub	6.500	2.750				11.45	189.67
6-1/2 Drill Collar (3 Stands)	6.500	2.375		2.810	90.61	274.33	464.00
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	467.56
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250			52.56	657.87	1125.43

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-092		Cam	7/8	5.40	1.00	0.24	FBH	8.5

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (deg/100Usft)	TFO	VS (Usft)	BR (deg/100Usft)	TR (deg/100Usft)	CL (Usft)
17261.00	5.02	317.93	17212.97	-135.01	-811.49	0.76	114.05	796.63	-0.25	7.95	114.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	141.18	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00
Run	141.18	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	Declination	7.590	Total Correction	7.590
Dip Angle	66.380	Grid Convergence	0.169	North Ref	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/27/2025	00:00	00:05	0.08	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	6A	RIH
06/27/2025	00:05	00:15	0.17	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Fill Pipe & Check MWD Temp @ 12K 180?
06/27/2025	00:15	00:50	0.58	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	6A	RIH
06/27/2025	00:50	01:00	0.17	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Fill Pipe & Check MWD Temp @ 13K 198?
06/27/2025	01:00	01:25	0.42	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	6A	RIH
06/27/2025	01:25	01:40	0.25	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Fill Pipe & Check MWD Temp @ 14K 198?
06/27/2025	01:40	01:50	0.17	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	6A	RIH
06/27/2025	01:50	02:30	0.67	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Pump LCM
06/27/2025	02:30	03:05	0.58	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	6A	RIH
06/27/2025	03:05	03:25	0.33	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Fill Pipe & Check MWD Temp @ 15.5K 230?
06/27/2025	03:25	03:40	0.25	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	6A	RIH
06/27/2025	03:40	04:00	0.33	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Fill Pipe & Check MWD Temp @ 16K 250?
06/27/2025	04:00	06:29	2.48	17314.00	17314.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Wash to bottom
06/27/2025	06:29	06:36	0.12	17314.00	17339.00	25.00	INT	18: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/17314.00 t/17339.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3160.00, Tq 25.00, ROP 214.29, Diff 710.00, Temp 206.00 - 100% Losses
06/27/2025	06:36	06:55	0.32	17339.00	17339.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Send LCM Sweeps to deal with 100 % Losses
06/27/2025	06:55	07:00	0.08	17339.00	17339.00	0.00	INT	18: 8.5 Production BHA-Halliburton	10D	Survey & Connection
06/27/2025	07:00	07:44	0.73	17339.00	17434.00	95.00	INT	18: 8.5 Production BHA-Halliburton	2K	Rotary Drill f/17339.00 t/17434.00, w/WOB 50.00,Flow 650.00, RPM 40.00, Press 3160.00, Tq 25.00, ROP 129.55, Diff 710.00, Temp 206.00
06/27/2025	07:44	08:45	1.02	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Send LCM Sweeps to heal 100% Losses
06/27/2025	08:45	09:35	0.83	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA-Halliburton	24A	Ranging Shots
06/27/2025	09:35	12:37	3.03	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA-Halliburton	3B	Work Stuck pipe
06/27/2025	12:37	13:38	1.02	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Pump LCM Sweep and keep pipe moving
06/27/2025	13:38	14:50	1.20	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA-Halliburton	6B	TOOH TO 17,733
06/27/2025	14:50	24:00	9.17	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA-Halliburton	5A	Mix and pump LCM to Squeeze into Losses

Daily Drilling Report 06/28/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	37	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/28/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

Drilling Summary	24Hr (BHA 18)	Run (BHA 18)	Casing Data		Fluids			
Start Depth (Usft)	17434.00	17434.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17434.00	17434.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)		120	**SN**	78124	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs		0.85 / 23.42	**Bit #**	18	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs		0.85	**TFA**	1.062	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)		141.18 / 0.00	**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	23.00		**Grade Out**	2-8-CT-S-X-I-RO-HP	**YP**	1.00		
%Slide			**Make**	Ulterra	**Viscosity**	27.00		
%Rotary			**Model**	SCR813	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR813 - 1.06 (4x11, 4x15)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (0.0 Fit)	7.010				150.00	39.10	40.10
NOV Black Box Sensor Sub	6.380	3.500				5.93	46.03
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.32	49.35
6 1/2 NMPC	6.350	3.250			90.00	13.68	63.03
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000			90.00	29.89	92.92
Halliburton TM Collar	6.750	2.875			90.00	15.39	108.31
8 1/4 NM4 Blade Stabilizer	6.780	3.250				5.84	114.15
6 1/2 NMDC	6.300	3.250			90.00	26.91	141.06
6 1/2 NMDC	6.340	3.250			90.00	28.28	169.34
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	172.85
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	178.22
6 1/2 Bico PBL Sub	6.500	2.750				11.45	189.67
6-1/2 Drill Collar (3 Stands)	6.500	2.375		2.810	90.61	274.33	464.00
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	467.56
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250			52.56	657.87	1125.43

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-092		Cam	7/8	5.40	1.00	0.24	FBH	8.5

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	50.00	40.00	40.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00
Run	141.18	50.00	40.00	40.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/28/2025	00:00	05:00	5.00	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA- Halliburton	5B	Circulate condition well
06/28/2025	05:00	08:15	3.25	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6B	Pump out of hole from 16,138 to 13200
06/28/2025	08:15	09:00	0.75	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA- Halliburton	5A	Bottoms up and a half
06/28/2025	09:00	14:30	5.50	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6B	TOOH
06/28/2025	14:30	15:45	1.25	17434.00	17434.00	0.00	INT	18: 8.5 Production BHA- Halliburton	6P	Laydown BHA# 18
06/28/2025	15:45	16:15	0.50	17434.00	17434.00	0.00	INT		8P	Rig service
06/28/2025	16:15	16:45	0.50	17434.00	17434.00	0.00	INT		6O	With clean up run assembly
06/28/2025	16:45	22:00	5.25	17434.00	17434.00	0.00	INT		6A	TOOH
06/28/2025	22:00	24:00	2.00	17434.00	17434.00	0.00	INT		1A	

Daily Drilling Report 06/29/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	38	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/29/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

Drilling Summary	24Hr (BHA 19)	Run (BHA 19)	Casing Data		Fluids			
Start Depth (Usft)	17434.00	17434.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17434.00	17434.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**	M16371	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs		0.00 / 8.83	**Bit #**		**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs			**TFA**	0.000	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)			**Grade In**		**PV**	1.00	**Gas %**	0.00
BRT Hrs	24.00	24.00	**Grade Out**		**YP**	1.00		
%Slide			**Make**		**Viscosity**	27.00		
%Rotary			**Model**		**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
Rock Bit	8.500				90.00	1.00	1.00
Bit Sub	6.650	3.500			90.00	4.04	5.04
7 stands of HWDP	5.500	3.250			52.57	657.87	662.91

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	50.00	40.00	40.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00
Run	0.00	50.00	40.00	40.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	0.00
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	0.00

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/29/2025	00:00	00:45	0.75	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6A	TIH
06/29/2025	00:45	02:00	1.25	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	5A	Circulte Well pump lcm sweep surface to surface
06/29/2025	02:00	04:30	2.50	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6A	TIH
06/29/2025	04:30	06:00	1.50	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	5A	Pump Lcm Sweep
06/29/2025	06:00	07:00	1.00	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6B	Trip 10 Stands
06/29/2025	07:00	09:00	2.00	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	5A	Pump Lcm sweep
06/29/2025	09:00	12:00	3.00	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6B	TOOH to 13,400
06/29/2025	12:00	13:15	1.25	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	5A	Surface to Surface
06/29/2025	13:15	24:00	10.75	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	24C	Wait on cement

Daily Drilling Report 06/30/2025

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE #	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	39	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	06/30/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

Drilling Summary	24Hr (BHA 20/BHA 19)	Run (BHA 20)	Casing Data		Fluids			
Start Depth (Usft)	17434.00	17434.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17434.00	17434.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**	M16371	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs		0.00 / 6.02	**Bit #**		**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs			**TFA**	0.000	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)			**Grade In**		**PV**	1.00	**Gas %**	0.00
BRT Hrs	23.00		**Grade Out**		**YP**	1.00		
%Slide			**Make**		**Viscosity**	27.00		
%Rotary			**Model**		**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
Rock Bit	8.500				90.00	1.00	1.00
Bit Sub	6.650	3.500			90.00	4.04	5.04
7 stands of HWDP	5.500	3.250			52.57	657.87	662.91

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00
Run	0.00	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	6.02
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	6.02

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/30/2025	00:00	12:00	12.00	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	24C	Wait on cement
06/30/2025	12:00	13:00	1.00	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	5A	Bottoms up still losing a bbl every 5 mins
06/30/2025	13:00	14:15	1.25	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6A	TIH to 13,400
06/30/2025	14:15	15:00	0.75	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	5A	Circulate Bottoms Up / Pressure Test Cement
06/30/2025	15:00	15:45	0.75	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6A	TIH to find cement
06/30/2025	15:45	16:50	1.08	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	5A	Circulate
06/30/2025	16:50	22:45	5.92	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6B	POOH
06/30/2025	22:45	23:00	0.25	17434.00	17434.00	0.00	INT	19: Oxy Rock Bit run	6P	L/D BHA
06/30/2025	23:00	24:00	1.00	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6O	P/U BHA

Daily Drilling Report 07/01/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	40	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	07/01/2025	**Report Time**	00:00-24:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

P/U BHA, RIH, Drilled Cement, Heavy losses observed, Squueze LCM Pills, Resume drilling Cement

24Hr Lookahead

Drill Cement

Drilling Summary	24Hr (BHA 20)	Run (BHA 20)	Casing Data		Fluids			
Start Depth (Usft)	17434.00	17434.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17434.00	17434.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**	78454	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs	7.67 / 6.02	0.00 / 6.02	**Bit #**	20	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	7.67		**TFA**	1.062	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	0.00 / 0.00		**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	22.75	22.75	**Grade Out**		**YP**	1.00		
%Slide			**Make**	Ulterra	**Viscosity**	27.00		
%Rotary			**Model**	SCR813	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Will Drake	Patrick Rhode										Chad Mtchell
Jon Rohman	Julian Parras	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR813 - 1.06 (4x11, 4x15)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (-0.024 Fit)	6.940				150.00	39.04	40.04
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.32	43.36
6 3/4 UBHO	6.540	2.875			90.00	2.03	45.39
6 1/2 NMDC	6.300	3.250			90.00	26.91	72.30
8 1/4 NM4 Blade Stabilizer	6.780	3.250			90.00	5.84	78.14
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	81.65
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	87.02
6 1/2 Bico PBL Sub	6.500	2.750			90.00	11.45	98.47
6-1/2 Drill Collar (3 Stands)	6.500	2.375		2.810	90.61	274.33	372.80
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	376.36
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250			52.56	657.87	1034.23

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-068		Cam	7/8	4.80	0.50	0.24	FBH	8.5

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00
Run	0.00	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	6.02
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	6.02

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
07/01/2025	00:00	01:15	1.25	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6O	P/U BHA
07/01/2025	01:15	04:00	2.75	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6A	RIH
07/01/2025	04:00	04:15	0.25	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	5A	Fill & Test MWD
07/01/2025	04:15	05:30	1.25	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6A	RIH
07/01/2025	05:30	06:00	0.50	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	5A	Fill pipe check MWD temp 214?
07/01/2025	06:00	06:55	0.92	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6A	TIH
07/01/2025	06:55	07:38	0.72	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	5A	Fill pipe check MWD temp 241? End @ 206?
07/01/2025	07:38	08:30	0.87	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6A	TIH
07/01/2025	08:30	08:55	0.42	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	5A	Fill pipe check MWD temp 264? End @ 233?
07/01/2025	08:55	09:35	0.67	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6A	TIH
07/01/2025	09:35	14:45	5.17	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	2A	Drill Cement from 14,483 to 14,966
07/01/2025	14:45	17:20	2.58	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	5B	Circulate LCM
07/01/2025	17:20	19:30	2.17	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	24A	Sqeeze LCM
07/01/2025	19:30	19:33	0.05	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	5A	Circulate on hole
07/01/2025	19:33	20:00	0.45	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	6A	TIH T/14500
07/01/2025	20:00	21:30	1.50	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	3D	Wash Down F/ 14,500 T/ 14,966
07/01/2025	21:30	24:00	2.50	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	2A	Drill Cement F/ 14,966 T/ 15,450

Daily Drilling Report 07/02/2025

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API Job # / AFE#	512352916 / 024-00535.04.01.05.10	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Report #	41	**Well**	Glade East
Latitude:	40° 15' 9.185" N	**Longitude**	104° 44' 20.280" W
Rig:	580	**County / State**	Weld / Colorado
Date:	07/02/2025	**Report Time**	00:00-05:00
Daily Cost($)		**Well Cost($)**	

24Hr Summary

Drill Cement

24Hr Lookahead

Drill Cement

Drilling Summary	24Hr (BHA 20)	Run (BHA 20)	Casing Data		Fluids			
Start Depth (Usft)	17434.00	17434.00	**Csg Shoe MD(Usft)**	11150.00	**600**	3.00	**%Sand**	
End Depth (Usft)	17434.00	17434.00	**OD (in)**	9.875	**300**	2.00	**%Solids**	0.50
Total Drilled (Usft)			**Weight (lb/ft)**	54.50	**200**	1.00	**Weight (ppg)**	8.40
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**	78454	**6**	1.00	**PH**	7.50
Drlg/Circ Hrs	5.00 / 0.00	0.00 / 6.02	**Bit #**	20	**3**	1.00	**Mud Type**	Terra Therm
Slide Drilling Hrs			**OD (in)**	8.500	**10s Gel**	1.00	**Oil/Water**	0/100
Rotary Drilling Hrs	5.00		**TFA**	1.062	**Temp(F)**	120.00	**LGS**	0.00
ROP Rot/Slide (Usft/hr)	0.00 / 0.00		**Grade In**	New	**PV**	1.00	**Gas %**	0.00
BRT Hrs	5.00	27.75	**Grade Out**		**YP**	1.00		
%Slide			**Make**	Ulterra	**Viscosity**	27.00		
%Rotary			**Model**	SCR813	**Chlorides**	500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man
Brett Curtis	Kolton Tobin	Patrick Rhode										Chad Mtchell
Jon Rohman	Kenneth Looper	Ben Young										

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR813 - 1.06 (4x11, 4x15)	8.500	3.000			150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (-0.024 Fit)	6.940				150.00	39.04	40.04
8 1/4 NM4 Blade Stabilizer	6.760	2.750			90.00	3.32	43.36
6 3/4 UBHO	6.540	2.875			90.00	2.03	45.39
6 1/2 NMDC	6.300	3.250			90.00	26.91	72.30
8 1/4 NM4 Blade Stabilizer	6.780	3.250			90.00	5.84	78.14
6 1/2 Drill Guard DV Float	6.300	2.875			90.00	3.51	81.65
6 1/2 Filter Sub	6.450	2.875			90.00	5.37	87.02
6 1/2 Bico PBL Sub	6.500	2.750			90.00	11.45	98.47
6-1/2 Drill Collar (3 Stands)	6.500	2.375		2.810	90.61	274.33	372.80
6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875			90.00	3.56	376.36
5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250			52.56	657.87	1034.23

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
TDI-712-MLA07-068		Cam	7/8	4.80	0.50	0.24	FBH	8.5

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (Kftlb)	TQ OFF (Kftlb)
24 Hrs	0.00	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00
Run	0.00	50.00	40.00	196.00	650.00	3160.00	2450.00	202.00	540.00	510.00	475.00	25.00	21.00

MWD Data

Tool	SN	Type	Version	MWD Details		Battery Details	
Pulser				**Orifice**		**Plug In Date**	
Driver				**Orifice Type**		**Plug In Time**	
Directional				**Pulse Width**		**Plug Out Date**	
Battery 1				**Data Rate**		**Plug Out Time**	
Battery 2				**EM Power**		**Plug In Hrs Tot**	0.00
Battery 3				**EM Freq**		**Plug In Hrs Day**	0.00
Gamma				**Fin Size (in)**		**Circ Hrs Total**	6.02
Helix				**Non Mag Above/Below**	20.14 / 17.96	**Circ Hours Day**	6.02

Magnetics

Total Field	51344.000	**Declination**	7.590	**Total Correction**	7.590
Dip Angle	66.380	**Grid Convergence**	0.169	**North Ref**	TRUE

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
07/02/2025	00:00	05:00	5.00	17434.00	17434.00	0.00	INT	20: 8.5 Production BHA- Quantum	2A	Drill Cement F/ 15,450 T/

Innovative Drilling Solutions
Data-Driven Decision

SCOUT DRILLING TECHNOLOGIES

BHA SUMMARY

Scout Drilling Technologies
1125 Beach Airport Road, Conroe, Texas 77301
Office: 936-756-3210
www.scoutdrilltech.com

BHA 1: 17.5 Surface

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1275.73
Operator	Occidental Petroleum_Rockies	**BHA #**	1	**BHA Weight dry (klbs)**	81.21
Well	Glade East - OH	**Bit #**	2	**BHA Weight Bouyed (klbs)**	70.55
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	108.00	**Wt. Below Jars dry (klbs)**	81.21
Date In	04/08/2025	**Depth Out(Usft)**	1276.00	**Wt. Below Jars Bouyed (klbs)**	70.55
Date Out	04/08/2025	**Drilled(Usft)**	1168.00	**Drilling / Circ Hours**	3.20 / 2.88

Sensor Offsets					
Survey Offset	76.00	Gamma Offset	73.15	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A315626	17.5" REED TK69	17.500	0.000	0.000	0.00	7 5/8 REG		225.000	0.45	0.45	2.00	2.00
	2	SDI-1400US08-015	14" Vertical Scout	10.688	0.000	0.000	0.00	6 5/8 REG	7 5/8 REG	360.000	8.75	9.20	24.30	26.30
	3	TDI-962-MLA01-017	9 5/8 Scout 5/6 4.0	9.660	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	295.300	10.37	19.56	35.10	61.40
	4	DR11561	17" 7/16 NM Blade Stabilizer	8.000	3.000	0.000	0.00	6 5/8 REG	6 5/8 REG	0.000	0.00	19.56	6.64	68.04
	5	AMPC 8007	8" NMPC	7.990	3.250	0.000	0.00	6 5/8 REG	6 5/8 REG	149.600	2.12	21.68	14.15	82.19
	6	MESH800-2708	8" Gap Sub	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	149.600	1.25	22.93	8.38	90.57
	7	DR11563	17" 7/16 NM Blade Stabilizer	7.875	3.000	0.000	0.00	6 5/8 REG	6 5/8 REG	0.000	0.00	22.93	5.94	96.51
	8	AMDC 8004	8" NMDC	7.960	3.250	0.000	0.00	6 5/8 REG	6 5/8 REG	149.600	4.40	27.33	29.41	125.92
	9	160-80500	8" Shock Sub	8.060	2.750	0.000	0.00	6 5/8 REG	6 5/8 REG	101.000	1.35	28.69	13.40	139.32
	10	RIG	8" DC (1 Stand)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	13.49	42.18	89.96	229.28
	11	AX8139	XO 4 1/2 IF B x 6 5/8 Reg P	6.760	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	124.900	0.29	42.47	2.34	231.62
	12	RIG	6.5" DC (1 Stand)	6.500	2.250	0.000	0.00	4 1/2 IF	4 1/2 IF	108.000	9.89	52.37	91.62	323.24
	13	AX6314	XO Delta257 B x 4 1/2 IF P	6.650	2.625	0.000	0.00	Delta527	4 1/2 IF	108.000	0.37	52.74	3.42	326.66
	14	RIG	5" HWDP (10 Stands)	5.000	0.000	0.000	0.00	Delta527	Delta527	30.000	28.47	81.21	949.07	1275.73

Bit Data		Motor Data	
SN	A315626	**SN**	TDI-962-MLA01-017
Size (in)	17.500	**OD (in)**	9.660
Type	PDC	**Description**	9 5/8 Scout 5/6 4.0
Description	17.5" REED TK69	**Make/Model**	
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	0.00 / 0.00
Model	TK69	**Stab / Kick Pad OD (in)**	
TFA	0.90 (6x14)	**Stator Vendor/Type/Fit**	0.0230
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	1-1-NO-A-X-I-NR-DTF	**Lobes**	5/6
Drilled (Usft)	1168.000	**Stages**	4.0
# Blades	6	**Rev/Gal**	0.108
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 900.0
K Revs	30109	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	19240.0
		Max RPM	0
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**	**Gamma SN**		**Plug In Date**		
Orifice		**Driver SN**	**EM SN**		**Plug In Time**		
Orifice Type		**Dir. Module SN**	**Pulse Width**	0.00	**Plug Out Date**		
Poppet		**Battery 1 SN**	**Data Rate**	0.00	**Plug Out Time**		
Make	QET	**Battery 2 SN**	**EM Power**	0.00	**Plug In Hrs**	0.00	
Model		**Battery 3 SN**	**EM Freq**	0.000	**Shock Tool**		
Fin Size (in)	0.000	**Helix SN**	**Retrievable**				

BHA 2: 17.5 Surface

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1276.80
Operator	Occidental Petroleum_Rockies	**BHA #**	2	**BHA Weight dry (klbs)**	81.59
Well	Glade East - OH	**Bit #**	2	**BHA Weight Bouyed (klbs)**	70.88
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	1276.00	**Wt. Below Jars dry (klbs)**	81.59
Date In	04/08/2025	**Depth Out(Usft)**	2189.00	**Wt. Below Jars Bouyed (klbs)**	70.88
Date Out	04/09/2025	**Drilled(Usft)**	913.00	**Drilling / Circ Hours**	5.13 / 3.67

Sensor Offsets					
Survey Offset	77.00	Gamma Offset	74.22	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A314349	17.5" REED TK66 (5x11,4x12 0.906 TFA	17.500	0.000	0.000	0.00	7 5/8 REG		225.000	0.45	0.45	2.00	2.00
	2	SDI-1400US08-008	14" Vertical Scout	13.560	0.000	0.000	0.00	6 5/8 REG	7 5/8 REG	360.000	9.13	9.58	25.37	27.37
	3	TDI-962-MLA01-017	9 5/8 Scout 5/6 4.0	9.660	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	295.300	10.37	19.95	35.10	62.47
	4	DR11561	17" 7/16 NM Blade Stabilizer	8.000	3.000	0.000	0.00	6 5/8 REG	6 5/8 REG	0.000	0.00	19.95	6.64	69.11
	5	AMPC 8007	8" NMPC	7.990	3.250	0.000	0.00	6 5/8 REG	6 5/8 REG	149.600	2.12	22.07	14.15	83.26
	6	MESH800-2708	8" Gap Sub	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	149.600	1.25	23.32	8.38	91.64
	7	DR11563	17" 7/16 NM Blade Stabilizer	7.875	3.000	0.000	0.00	6 5/8 REG	6 5/8 REG	0.000	0.00	23.32	5.94	97.58
	8	AMDC 8004	8" NMDC	7.960	3.250	0.000	0.00	6 5/8 REG	6 5/8 REG	149.600	4.40	27.72	29.41	126.99
	9	160-80500	8" Shock Sub	8.060	2.750	0.000	0.00	6 5/8 REG	6 5/8 REG	101.000	1.35	29.07	13.40	140.39
	10	RIG	8" DC (1 Stand)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	13.49	42.57	89.96	230.35
	11	AX8139	XO 4 1/2 IF B x 6 5/8 Reg P	6.760	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	124.900	0.29	42.86	2.34	232.69
	12	RIG	6.5" DC (1 Stand)	6.500	2.250	0.000	0.00	4 1/2 IF	4 1/2 IF	108.000	9.89	52.75	91.62	324.31
	13	AX6314	XO Delta257 B x 4 1/2 IF P	6.650	2.625	0.000	0.00	Delta527	4 1/2 IF	108.000	0.37	53.12	3.42	327.73
	14	RIG	5" HWDP (10 Stands)	5.000	0.000	0.000	0.00	Delta527	Delta527	30.000	28.47	81.59	949.07	1276.80

Bit Data		Motor Data	
SN	A314349	SN	TDI-962-MLA01-017
Size (in)	17.500	OD (in)	9.660
Type	PDC	Description	9 5/8 Scout 5/6 4.0
Description	17.5" REED TK66 (5x11,4x12 0.906 TFA	Make/Model	
Make	Reed Hycalog	Bit to Bend (Usft) / Angle	0.00 / 0.00
Model	TK66	Stab / Kick Pad OD (in)	
TFA	0.91 (5x11, 4x12)	Stator Vendor/Type/Fit	0.0230
Grade In	New	Pre Run Dyno HP%	
Grade Out	1-1-WT-A-X-I-NO-TD	Lobes	5/6
Drilled (Usft)	913.000	Stages	4.0
# Blades	6	Rev/Gal	0.108
IADC Code		Diff Press (Avg/Max))(psi)	0.0 / 900.0
K Revs	40688	Press. Drop(psi)	0.0
		Max Torque(Kftlb)	19240.0
		Max RPM	0
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		Pulser SN		Gamma SN		Plug In Date	
Orifice		Driver SN		EM SN		Plug In Time	
Orifice Type		Dir. Module SN		Pulse Width	0.00	Plug Out Date	
Poppet		Battery 1 SN		Data Rate	0.00	Plug Out Time	
Make	QET	Battery 2 SN		EM Power	0.00	Plug In Hrs	0.00
Model		Battery 3 SN		EM Freq	0.000	Shock Tool	
Fin Size (in)	0.000	Helix SN		Retrievable			

Stabilizer Data						
Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	14" Vertical Scout	17.500	6.00	6.00	4	5.55
4	17" 7/16 NM Blade Stabilizer	17.438	36.00	6.00	3	64.12
7	17" 7/16 NM Blade Stabilizer	17.475	36.00	6.00	3	93.14

BHA 3: 12.25 Orbit Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1719.32
Operator	Occidental Petroleum_Rockies	**BHA #**	3	**BHA Weight dry (klbs)**	140.65
Well	Glade East - OH	**Bit #**	3	**BHA Weight Bouyed (klbs)**	121.32
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	2189.00	**Wt. Below Jars dry (klbs)**	140.65
Date In	05/01/2025	**Depth Out(Usft)**	8026.00	**Wt. Below Jars Bouyed (klbs)**	121.32
Date Out	05/03/2025	**Drilled(Usft)**	5837.00	**Drilling / Circ Hours**	28.20 / 3.23

Sensor Offsets					
Survey Offset	87.00	Gamma Offset	83.66	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	77790	12.25 Ulterra U616S	12.250	0.000	0.000	0.00	6 5/8 Reg		200.000	0.30	0.30	1.50	1.50
	2	104155-EXT	9" Power drive RSS	8.380	5.250	0.000	0.00	6 5/8 REG	6 5/8 Reg	165.000	2.28	2.58	13.79	15.29
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	3.67	7.53	22.82
	4	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	4.47	5.63	28.45
	5	BPB5962-0023	9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS	9.650	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	9.61	14.08	42.50	70.95
	6	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	14.66	4.08	75.03
	7	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	18.71	28.55	103.58
	8	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	19.90	8.37	111.95
	9	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	21.08	8.05	120.00
	10	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	48.36	181.87	301.87
	11	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	48.71	2.70	304.57
	12	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	93.02	456.84	761.41
	13	AFS6020M	6.5" Filter Sub	6.420	2.812	0.000	0.00	4 1/2 IF	4 1/2 IF	95.000	0.51	93.53	5.33	766.74
	14	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	93.86	3.51	770.25
	15	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	140.65	949.07	1719.32

Bit Data		Motor Data	
SN	77790	**SN**	BPB5962-0023
Size (in)	12.250	**OD (in)**	9.650
Type	PDC	**Description**	9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS
Description	12.25 Ulterra U616S	**Make/Model**	SSS100
Make	Ulterra	**Bit to Bend (Usft) / Angle**	0.00 / 0.00
Model	U616S	**Stab / Kick Pad OD (in)**	12.125
TFA	1.17 (9x13)	**Stator Vendor/Type/Fit**	Loose / 0.0070
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	2-4-CT-A-X-I-PR	**Lobes**	7/8
Drilled (Usft)	5837.000	**Stages**	4.8
# Blades	6	**Rev/Gal**	0.105
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	261130	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	0
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	QET	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	18.09
5	9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS	12.125	6.00	2.00	5	32.30
9	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	114.80

BHA 4: 12.25 Orbit Intermediate #2

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1719.29
Operator	Occidental Petroleum_Rockies	**BHA #**	4	**BHA Weight dry (klbs)**	140.64
Well	Glade East - OH	**Bit #**	4	**BHA Weight Bouyed (klbs)**	120.25
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	8026.00	**Wt. Below Jars dry (klbs)**	140.64
Date In	05/03/2025	**Depth Out(Usft)**	8141.00	**Wt. Below Jars Bouyed (klbs)**	120.25
Date Out	05/04/2025	**Drilled(Usft)**	115.00	**Drilling / Circ Hours**	2.95 / 1.23

Sensor Offsets					
Survey Offset	87.00	Gamma Offset	83.62	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A313829	12.25 Reed TKF76-T10	12.250	0.000	0.000	0.00	6 5/8 Reg		200.000	0.30	0.30	1.50	1.50
	2	102048-EXT	9 Power drive RSS	8.390	5.250	0.000	0.00	6 5/8 REG	6 5/8 Reg	165.000	2.28	2.58	13.79	15.29
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	3.67	7.53	22.82
	4	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	4.47	5.63	28.45
	5	BPB5962-0051	9 5/8 Bico 7/8 4.8 STR Pin Down 12 1/8 NBS	9.500	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	9.60	14.07	42.47	70.92
	6	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	14.65	4.08	75.00
	7	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	18.71	28.55	103.55
	8	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	19.89	8.37	111.92
	9	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	21.07	8.05	119.97
	10	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	48.35	181.87	301.84
	11	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	48.70	2.70	304.54
	12	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	93.01	456.84	761.38
	13	AFS6020M	6.5" Filter Sub	6.420	2.812	0.000	0.00	4 1/2 IF	4 1/2 IF	95.000	0.51	93.52	5.33	766.71
	14	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	93.85	3.51	770.22
	15	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	140.64	949.07	1719.29

Bit Data		Motor Data	
SN	A313829	**SN**	BPB5962-0051
Size (in)	12.250	**OD (in)**	9.500
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 STR Pin Down 12 1/8 NBS
Description	12.25 Reed TKF76-T10	**Make/Model**	
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	0.00 / 0.00
Model	TKF76-T10	**Stab / Kick Pad OD (in)**	12.125
TFA	1.14 (8x12, 2x13)	**Stator Vendor/Type/Fit**	Tight / 0.0030
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	3-7-FC-S-X-1/16-BT-PR	**Lobes**	7/8
Drilled (Usft)	115.000	**Stages**	4.8
# Blades	7	**Rev/Gal**	0.105
IADC Code	3	**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	22578	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	0
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	QET	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	18.09
5	9 5/8 Bico 7/8 4.8 STR Pin Down 12 1/8 NBS	12.125	7.75	1.50	5	32.35
9	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	114.77

BHA 5: 12.25 Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1693.82
Operator	Occidental Petroleum_Rockies	**BHA #**	5	**BHA Weight dry (klbs)**	136.43
Well	Glade East - OH	**Bit #**	5	**BHA Weight Bouyed (klbs)**	116.64
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	8141.00	**Wt. Below Jars dry (klbs)**	136.43
Date In	05/04/2025	**Depth Out(Usft)**	8551.00	**Wt. Below Jars Bouyed (klbs)**	116.64
Date Out	05/05/2025	**Drilled(Usft)**	410.00	**Drilling / Circ Hours**	18.02 / 0.45

Sensor Offsets					
Survey Offset	61.00	Gamma Offset	57.85	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	5363078	12.25 Baker Hughes	12.250	0.000	0.000	0.00	6 5/8 REG		200.000	0.30	0.30	1.50	1.50
	2	BPB5962-0033	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.540	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	8.16	8.46	36.12	37.62
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	9.56	7.53	45.15
	4	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	10.14	4.08	49.23
	5	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	14.20	28.55	77.78
	6	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	15.38	8.37	86.15
	7	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	16.56	8.05	94.20
	8	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	17.36	5.63	99.83
	9	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	44.64	181.87	281.70
	10	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	44.99	2.70	284.40
	11	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	89.30	456.84	741.24
	12	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	89.64	3.51	744.75
	13	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	136.43	949.07	1693.82

Bit Data		Motor Data	
SN	5363078	**SN**	BPB5962-0033
Size (in)	12.250	**OD (in)**	9.540
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS
Description	12.25 Baker Hughes	**Make/Model**	BICO / 9.63 SSS100-B5
Make	Baker Hughes	**Bit to Bend (Usft) / Angle**	7.98 / 1.15
Model	K6M525	**Stab / Kick Pad OD (in)**	12.125 / 10.180
TFA	1.30 (4x18, 4x10)	**Stator Vendor/Type/Fit**	Loose / -0.0050
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	1-1-CT-A-E-I-NO-BHA	**Lobes**	7/8
Drilled (Usft)	410.000	**Stages**	4.8
# Blades	6	**Rev/Gal**	0.105
IADC Code	5	**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	113935	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	80
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	QET	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	12.125	8.50	1.75	5	5.58
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	40.42
7	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	89.00

BHA 6: 12.25 Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1693.82
Operator	Occidental Petroleum_Rockies	**BHA #**	6	**BHA Weight dry (klbs)**	136.43
Well	Glade East - OH	**Bit #**	6	**BHA Weight Bouyed (klbs)**	116.64
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	8551.00	**Wt. Below Jars dry (klbs)**	136.43
Date In	05/05/2025	**Depth Out(Usft)**	9447.00	**Wt. Below Jars Bouyed (klbs)**	116.64
Date Out	05/07/2025	**Drilled(Usft)**	896.00	**Drilling / Circ Hours**	27.35 / 0.77

Sensor Offsets					
Survey Offset	61.00	Gamma Offset	57.85	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	58982	12.25 Ulterra RPS716	12.250	0.000	0.000	0.00	6 5/8 REG		200.000	0.30	0.30	1.50	1.50
	2	BPB5962-0033	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.540	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	8.16	8.46	36.12	37.62
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	9.56	7.53	45.15
	4	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	10.14	4.08	49.23
	5	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	14.20	28.55	77.78
	6	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	15.38	8.37	86.15
	7	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	16.56	8.05	94.20
	8	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	17.36	5.63	99.83
	9	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	44.64	181.87	281.70
	10	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	44.99	2.70	284.40
	11	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	89.30	456.84	741.24
	12	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	89.64	3.51	744.75
	13	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	136.43	949.07	1693.82

Bit Data		Motor Data	
SN	58982	**SN**	BPB5962-0033
Size (in)	12.250	**OD (in)**	9.540
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS
Description	12.25 Ulterra RPS716	**Make/Model**	BICO / 9.63 SSS100-B5
Make	Ulterra	**Bit to Bend (Usft) / Angle**	7.98 / 1.15
Model	SSS100-B5	**Stab / Kick Pad OD (in)**	12.125 / 10.180
TFA	0.91 (7x13)	**Stator Vendor/Type/Fit**	Loose / -0.0050
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	1-3-CT-S-X-I-WT-PR	**Lobes**	7/8
Drilled (Usft)	896.000	**Stages**	4.8
# Blades	7	**Rev/Gal**	0.105
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	203395	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	80
		Flow Range(gpm)	600-1200
		Re-Run	YES
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	QET	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	12.125	8.50	1.75	5	5.58
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	40.42
7	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	89.00

BHA 7: 12.25 Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1693.89
Operator	Occidental Petroleum_Rockies	**BHA #**	7	**BHA Weight dry (klbs)**	136.44
Well	Glade East - OH	**Bit #**	7	**BHA Weight Bouyed (klbs)**	116.65
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	9447.00	**Wt. Below Jars dry (klbs)**	136.44
Date In	05/07/2025	**Depth Out(Usft)**	9805.00	**Wt. Below Jars Bouyed (klbs)**	116.65
Date Out	05/09/2025	**Drilled(Usft)**	358.00	**Drilling / Circ Hours**	18.32 / 0.93

Sensor Offsets					
Survey Offset	61.00	Gamma Offset	57.92	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	5362474	12.25 Baker Hughes	12.250	0.000	0.000	0.00	6 5/8 REG		200.000	0.30	0.30	1.50	1.50
	2	BPB5962-0040	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.640	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	8.18	8.48	36.19	37.69
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	9.58	7.53	45.22
	4	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	10.16	4.08	49.30
	5	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	14.21	28.55	77.85
	6	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	15.40	8.37	86.22
	7	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	16.58	8.05	94.27
	8	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	17.38	5.63	99.90
	9	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	44.66	181.87	281.77
	10	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	45.01	2.70	284.47
	11	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	89.32	456.84	741.31
	12	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	89.65	3.51	744.82
	13	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	136.44	949.07	1693.89

Bit Data		Motor Data	
SN	5362474	**SN**	BPB5962-0040
Size (in)	12.250	**OD (in)**	9.640
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS
Description	12.25 Baker Hughes	**Make/Model**	BICO
Make	Baker Hughes	**Bit to Bend (Usft) / Angle**	7.98 / 1.15
Model	K5M636	**Stab / Kick Pad OD (in)**	12.125 / 10.170
TFA	1.11 (3x14, 6x12)	**Stator Vendor/Type/Fit**	Interface
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	1-2-CT-S-E-I-WT-PR	**Lobes**	7/8
Drilled (Usft)	358.000	**Stages**	4.8
# Blades	0	**Rev/Gal**	0.105
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	110568	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	80
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	QET	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	12.125	8.50	1.75	5	5.58
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	40.49
7	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	89.07

BHA 8: 12.25 Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1693.89
Operator	Occidental Petroleum_Rockies	**BHA #**	8	**BHA Weight dry (klbs)**	136.44
Well	Glade East - OH	**Bit #**	8	**BHA Weight Bouyed (klbs)**	116.65
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	9805.00	**Wt. Below Jars dry (klbs)**	136.44
Date In	05/10/2025	**Depth Out(Usft)**	10179.00	**Wt. Below Jars Bouyed (klbs)**	116.65
Date Out	05/11/2025	**Drilled(Usft)**	374.00	**Drilling / Circ Hours**	12.97 / 1.43

Sensor Offsets					
Survey Offset	61.00	Gamma Offset	57.82	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	75227	12.25 Ulterra RPS716 6.5" Gauge 10x11 Jets	12.250	0.000	0.000	0.00	6 5/8 REG		200.000	0.30	0.30	1.50	1.50
	2	BPB5962-0040	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	9.640	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	8.18	8.48	36.19	37.69
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	9.58	7.53	45.22
	4	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	10.16	4.08	49.30
	5	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	14.21	28.55	77.85
	6	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	15.40	8.37	86.22
	7	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	16.58	8.05	94.27
	8	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	17.38	5.63	99.90
	9	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	44.66	181.87	281.77
	10	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	45.01	2.70	284.47
	11	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	89.32	456.84	741.31
	12	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	89.65	3.51	744.82
	13	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	136.44	949.07	1693.89

Bit Data		Motor Data	
SN	75227	**SN**	BPB5962-0040
Size (in)	12.250	**OD (in)**	9.640
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS
Description	12.25 Ulterra RPS716 6.5" Gauge 10x11 Jets	**Make/Model**	
Make	Ulterra	**Bit to Bend (Usft) / Angle**	8.87 / 1.15
Model	RPS716	**Stab / Kick Pad OD (in)**	12.125 / 10.170
TFA	0.93 (10x11)	**Stator Vendor/Type/Fit**	Loose / 0.0070
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	1-8-RR-S-X-1/16-RG-PR	**Lobes**	7/8
Drilled (Usft)	374.000	**Stages**	4.8
# Blades	7	**Rev/Gal**	0.105
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	93752	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	80
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**	**Gamma SN**		**Plug In Date**		
Orifice		**Driver SN**	**EM SN**		**Plug In Time**		
Orifice Type		**Dir. Module SN**	**Pulse Width**	0.00	**Plug Out Date**		
Poppet		**Battery 1 SN**	**Data Rate**	0.00	**Plug Out Time**		
Make	QET	**Battery 2 SN**	**EM Power**	0.00	**Plug In Hrs**	0.00	
Model		**Battery 3 SN**	**EM Freq**	0.000	**Shock Tool**		
Fin Size (in)	0.000	**Helix SN**	**Retrievable**				

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	12.125	7.88	1.75	5	5.52
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	40.49
7	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	89.07

BHA 9: 12.25 Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1693.94
Operator	Occidental Petroleum_Rockies	**BHA #**	9	**BHA Weight dry (klbs)**	136.45
Well	Glade East - OH	**Bit #**	9	**BHA Weight Bouyed (klbs)**	116.66
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	10179.00	**Wt. Below Jars dry (klbs)**	136.45
Date In	05/11/2025	**Depth Out(Usft)**	10352.00	**Wt. Below Jars Bouyed (klbs)**	116.66
Date Out	05/12/2025	**Drilled(Usft)**	173.00	**Drilling / Circ Hours**	4.88 / 1.10

Sensor Offsets					
Survey Offset	61.00	Gamma Offset	57.82	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A313828	12.25 Reed TKF76-T10 8x12,2x13 Jets (1.143 TFA)	12.250	0.000	0.000	0.00	6 5/8 REG		200.000	0.30	0.30	1.50	1.50
	2	BPB5962-0011	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	9.680	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	8.19	8.49	36.24	37.74
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	9.59	7.53	45.27
	4	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	10.17	4.08	49.35
	5	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	14.22	28.55	77.90
	6	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	15.41	8.37	86.27
	7	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	16.59	8.05	94.32
	8	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	17.39	5.63	99.95
	9	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	44.67	181.87	281.82
	10	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	45.02	2.70	284.52
	11	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	89.33	456.84	741.36
	12	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	89.66	3.51	744.87
	13	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	136.45	949.07	1693.94

Bit Data		**Motor Data**	
SN	A313828	**SN**	BPB5962-0011
Size (in)	12.250	**OD (in)**	9.680
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS
Description	12.25 Reed TKF76-T10 8x12,2x13 Jets (1.143 TFA)	**Make/Model**	
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	8.87 / 1.15
Model	TKF76-T10	**Stab / Kick Pad OD (in)**	12.125 / 10.170
TFA	1.14 (8x12, 2x13)	**Stator Vendor/Type/Fit**	Loose / 0.0070
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	2-8-NR-G-X-1/16-RG-PR	**Lobes**	7/8
Drilled (Usft)	173.000	**Stages**	4.8
# Blades	7	**Rev/Gal**	0.105
IADC Code	9	**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	36412	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	80
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		Pulser SN		Gamma SN		Plug In Date	
Orifice		Driver SN		EM SN		Plug In Time	
Orifice Type		Dir. Module SN		Pulse Width	0.00	Plug Out Date	
Poppet		Battery 1 SN		Data Rate	0.00	Plug Out Time	
Make	QET	Battery 2 SN		EM Power	0.00	Plug In Hrs	0.00
Model		Battery 3 SN		EM Freq	0.000	Shock Tool	
Fin Size (in)	0.000	Helix SN		Retrievable			

Stabilizer Data						
Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	12.125	7.88	1.75	5	5.52
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	40.54
7	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	89.12

BHA 10: 12.25 Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1693.94
Operator	Occidental Petroleum_Rockies	**BHA #**	10	**BHA Weight dry (klbs)**	136.45
Well	Glade East - OH	**Bit #**	10	**BHA Weight Bouyed (klbs)**	116.66
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	10352.00	**Wt. Below Jars dry (klbs)**	136.45
Date In	05/12/2025	**Depth Out(Usft)**	10930.00	**Wt. Below Jars Bouyed (klbs)**	116.66
Date Out	05/13/2025	**Drilled(Usft)**	578.00	**Drilling / Circ Hours**	15.13 / 1.05

Sensor Offsets					
Survey Offset	61.00	Gamma Offset	57.82	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	68293	12.25 Ulterra RPS716	12.250	0.000	0.000	0.00	6 5/8 REG		200.000	0.30	0.30	1.50	1.50
	2	BPB5962-0011	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	9.680	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	8.19	8.49	36.24	37.74
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	9.59	7.53	45.27
	4	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	10.17	4.08	49.35
	5	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	14.22	28.55	77.90
	6	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	15.41	8.37	86.27
	7	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	16.59	8.05	94.32
	8	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	17.39	5.63	99.95
	9	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	44.67	181.87	281.82
	10	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	45.02	2.70	284.52
	11	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	89.33	456.84	741.36
	12	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	89.66	3.51	744.87
	13	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	136.45	949.07	1693.94

Bit Data		Motor Data	
SN	68293	**SN**	BPB5962-0011
Size (in)	12.250	**OD (in)**	9.680
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS
Description	12.25 Ulterra RPS716	**Make/Model**	
Make	Ulterra	**Bit to Bend (Usft) / Angle**	8.87 / 1.15
Model	RPS716	**Stab / Kick Pad OD (in)**	12.125 / 10.170
TFA	0.91 (7x13)	**Stator Vendor/Type/Fit**	Loose / 0.0070
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	2-2-WT-S-X-I-CT-PR	**Lobes**	7/8
Drilled (Usft)	578.000	**Stages**	4.8
# Blades	7	**Rev/Gal**	0.105
IADC Code	10	**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	103398	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	80
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	QET	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	12.125	7.88	1.75	5	5.52
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	40.54
7	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	89.12

BHA 11: 12.25 Intermediate

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1693.94
Operator	Occidental Petroleum_Rockies	**BHA #**	11	**BHA Weight dry (klbs)**	136.45
Well	Glade East - OH	**Bit #**	11	**BHA Weight Bouyed (klbs)**	116.66
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	10930.00	**Wt. Below Jars dry (klbs)**	136.45
Date In	05/13/2025	**Depth Out(Usft)**	11150.00	**Wt. Below Jars Bouyed (klbs)**	116.66
Date Out	05/14/2025	**Drilled(Usft)**	220.00	**Drilling / Circ Hours**	5.53 / 7.58

Sensor Offsets					
Survey Offset	61.00	Gamma Offset	57.82	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	68293	12.25 Ulterra U813S	12.250	0.000	0.000	0.00	6 5/8 REG		200.000	0.30	0.30	1.50	1.50
	2	BPB5962-0011	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	9.680	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	226.000	8.19	8.49	36.24	37.74
	3	DR51628	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.10	9.59	7.53	45.27
	4	AUB 819	8 UBHO	8.060	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.58	10.17	4.08	49.35
	5	AMDC 8033	8 NMDC	7.960	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	4.05	14.22	28.55	77.90
	6	MESH800-2715	8 Gap Sub (QTM)	8.000	3.750	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	1.19	15.41	8.37	86.27
	7	DR56897	12.125 NM Blade Stabilizer	8.310	3.500	0.000	0.00	6 5/8 REG	6 5/8 REG	146.000	1.18	16.59	8.05	94.32
	8	AFS8003	8 Filter Sub	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	142.000	0.80	17.39	5.63	99.95
	9	Rig	8" DC (2 Stands)	8.000	2.875	0.000	0.00	6 5/8 REG	6 5/8 REG	150.000	27.28	44.67	181.87	281.82
	10	AX8159	XO 4 1/2 IF B x 6 5/8 Reg P	6.750	2.875	0.000	0.00	4 1/2 IF	6 5/8 REG	130.000	0.35	45.02	2.70	284.52
	11	Rig	6.5" DC (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	97.000	44.31	89.33	456.84	741.36
	12	AX6313	XO Delta527 B x 4 1/2 IF P	6.630	2.750	0.000	0.00	Delta527	4 1/2 IF	95.000	0.33	89.66	3.51	744.87
	13	Rig	5" HWDP (10 Stands)	5.000	3.000	0.000	0.00	Delta 527	Delta527	49.300	46.79	136.45	949.07	1693.94

Bit Data		Motor Data	
SN	68293	**SN**	BPB5962-0011
Size (in)	12.250	**OD (in)**	9.680
Type	PDC	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS
Description	12.25 Ulterra U813S	**Make/Model**	
Make	Ulterra	**Bit to Bend (Usft) / Angle**	8.87 / 1.15
Model	U813S	**Stab / Kick Pad OD (in)**	12.125 / 10.170
TFA	0.94 (3x13, 5x12)	**Stator Vendor/Type/Fit**	Loose / 0.0070
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	1-3-CT-A-X-I-NO-TD	**Lobes**	7/8
Drilled (Usft)	220.000	**Stages**	4.8
# Blades	8	**Rev/Gal**	0.105
IADC Code	11	**Diff Press (Avg/Max))(psi)**	0.0 / 1550.0
K Revs	42828	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	40641.0
		Max RPM	80
		Flow Range(gpm)	600-1200
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	QET	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	12.125	7.88	1.75	5	5.52
3	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	40.54
7	12.125 NM Blade Stabilizer	12.125	8.00	3.00	5	89.12

BHA 12: DV Drill Out

SCOUT DRILLING TECHNOLOGIES	Bottom Hole Assembly	OXY

Job#	20467	**Rig**	580	**BHA Length (Usft)**	953.93
Operator	Occidental Petroleum_Rockies	**BHA #**	12	**BHA Weight dry (klbs)**	47.24
Well	Glade East - OH	**Bit #**	14	**BHA Weight Bouyed (klbs)**	47.24
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	11150.00	**Wt. Below Jars dry (klbs)**	47.24
Date In	05/17/2025	**Depth Out(Usft)**	11150.00	**Wt. Below Jars Bouyed (klbs)**	47.24
Date Out	05/18/2025	**Drilled(Usft)**	0.00	**Drilling / Circ Hours**	0.00 / 1.00

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	11474473	8 1/2" Security QHC1R Rock Bit 3x20's	8.500	0.000	0.000	0.00	4 1/2 REG		100.000	0.09	0.09	0.85	0.85
	2	4655810-11	6 1/2" Bit Sub D527B x 4 1/2" RegB	6.500	2.812	0.000	0.00	Delta 527	4 1/2 REG	92.000	0.37	0.45	4.01	4.86
	3		5" HWDP 10 Stands	5.000	3.000	0.000	0.00	Delta 527	Delta 527	49.300	46.79	47.24	949.07	953.93

Bit Data	
SN	11474473
Size (in)	8.500
Type	Rock Bit
Description	8 1/2" Security QHC1R Rock Bit 3x20's
Make	Halliburton
Model	QHC1R
TFA	0.92 (3x20)
Grade In	New
Grade Out	
Drilled (Usft)	0.000

BHA 13: 8.5 Production BHA- Halliburton

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1289.87
Operator	Occidental Petroleum_Rockies	**BHA #**	13	**BHA Weight dry (klbs)**	99.60
Well	Glade East - OH	**Bit #**	13	**BHA Weight Bouyed (klbs)**	86.98
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	11160.00	**Wt. Below Jars dry (klbs)**	99.60
Date In	06/17/2025	**Depth Out(Usft)**	11527.00	**Wt. Below Jars Bouyed (klbs)**	86.98
Date Out	06/18/2025	**Drilled(Usft)**	367.00	**Drilling / Circ Hours**	2.88 / 5.22

Sensor Offsets					
Survey Offset	72.00	Gamma Offset	62.18	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	78480	8.5 Ulterra SCR713 (7x14 1.052 TFA)	8.500	3.000	0.000	0.00	4 1/2 REG		150.000	0.15	0.15	1.00	1.00
	2	TDI-712-MLA07-094	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	6.940	0.000	6.980	1.43	4 1/2 IF	4 1/2 REG	150.000	5.85	6.00	39.02	40.02
	3	DR51007	8 1/4 NM 4 Blade Stabilizer	6.760	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.28	6.28	3.07	43.09
	4	AMPC 6033	6 1/2 NMPC	6.350	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	1.23	7.51	13.68	56.77
	5	92000275	Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000	0.000	0.00	NC50	4 1/2 IF	90.000	2.69	10.20	29.89	86.66
	6	11112519	Halliburton TM Collar	6.750	2.875	0.000	0.00	NC50	NC50	90.000	1.39	11.59	15.39	102.05
	7	DR53540	8 1/4 NM 4 Blade Stabilizer	6.800	3.250	0.000	0.00	4 1/2 IF	NC50	90.000	0.53	12.12	5.93	107.98
	8	AMDC 6053	6 1/2 NMDC	6.300	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	2.42	14.54	26.91	134.89
	9	AMDC 6042	6 1/2 NMDC	6.340	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	2.55	17.09	28.28	163.17
	10	129-23	6 1/2 Drill Guard DV Float	6.300	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.32	17.40	3.51	166.68
	11	AFS 6020M	6 1/2 Filter Sub	6.450	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.48	17.89	5.37	172.05
	12	RIG	6-1/2 Drill Collar (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	90.610	41.35	59.24	456.39	628.44
	13	AX6299	6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875	0.000	0.00	D544	4 1/2 IF	90.000	0.32	59.56	3.56	632.00
	14	RIG	5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	0.000	0.00	D544	D544	60.870	40.04	99.60	657.87	1289.87

Bit Data		Motor Data	
SN	78480	**SN**	TDI-712-MLA07-094
Size (in)	8.500	**OD (in)**	6.940
Type	PDC	**Description**	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS
Description	8.5 Ulterra SCR713 (7x14 1.052 TFA)	**Make/Model**	Scout / 7885
Make	Ulterra	**Bit to Bend (Usft) / Angle**	4.30 / 1.00
Model	SCR713	**Stab / Kick Pad OD (in)**	8.250 / 7.550
TFA	1.05 (7x14)	**Stator Vendor/Type/Fit**	Abaco / Loose / -0.0040
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	1-2-CT-A-X-I-NO-DTF	**Lobes**	7/8
Drilled (Usft)	367.000	**Stages**	8.5
# Blades	7	**Rev/Gal**	0.240
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 2000.0
K Revs	33908	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	19540.0
		Max RPM	120
		Flow Range(gpm)	400-750
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**	**Gamma SN**		**Plug In Date**		
Orifice		**Driver SN**	**EM SN**		**Plug In Time**		
Orifice Type		**Dir. Module SN**	**Pulse Width**	0.00	**Plug Out Date**		
Poppet		**Battery 1 SN**	**Data Rate**	0.00	**Plug Out Time**		
Make	HAL	**Battery 2 SN**	**EM Power**	0.00	**Plug In Hrs**	0.00	
Model		**Battery 3 SN**	**EM Freq**	0.000	**Shock Tool**		
Fin Size (in)	0.000	**Helix SN**	**Retrievable**				

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	8.250	5.00	2.50	4	11.00
3	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	41.56
5	Halliburton BaseStar Assembly W/ 8.375 Stabilizer	8.375	10.00	1.50	4	74.52
7	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	104.80

BHA 14: 8.5 Production BHA- Quantum

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1206.61
Operator	Occidental Petroleum_Rockies	**BHA #**	14	**BHA Weight dry (klbs)**	92.11
Well	Glade East - OH	**Bit #**	13	**BHA Weight Bouyed (klbs)**	80.44
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	11527.00	**Wt. Below Jars dry (klbs)**	92.11
Date In	06/18/2025	**Depth Out(Usft)**	13284.00	**Wt. Below Jars Bouyed (klbs)**	80.44
Date Out	06/19/2025	**Drilled(Usft)**	1757.00	**Drilling / Circ Hours**	17.58 / 4.23

Sensor Offsets					
Survey Offset	58.00	Gamma Offset	54.40	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	78543	8.5 Ulterra SCR713 (4x14 3x13) 0.99 TFA	8.500	3.000	0.000	0.00	4 1/2 REG		150.000	0.15	0.15	1.00	1.00
	2	TDI-712-MLA07-094	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	6.940	0.000	6.980	1.43	4 1/2 IF	4 1/2 REG	150.000	5.85	6.00	39.02	40.02
	3	DR51007	8 1/4 NM4 Blade Stabilizer	6.760	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.28	6.28	3.07	43.09
	4	AUB 624	6 3/4 UBHO	6.540	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.23	6.51	2.61	45.70
	5	AMDC 6042	6 1/2 NMDC	6.340	3.250	0.000	0.00	NC50	4 1/2 IF	90.000	2.55	9.06	28.28	73.98
	6	DR53540	8 1/4 NM4 Blade Stabilizer	6.800	3.250	0.000	0.00	4 1/2 IF	NC50	90.000	0.53	9.59	5.93	79.91
	7	129-23	6 1/2 Drill Guard DV Float	6.300	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.32	9.91	3.51	83.42
	8	AFS 6020M	6 1/2 Filter Sub	6.450	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.48	10.39	5.37	88.79
	9	RIG	6-1/2 Drill Collar (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	90.610	41.35	51.75	456.39	545.18
	10	AX 6299	6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875	0.000	0.00	D544	4 1/2 IF	90.000	0.32	52.07	3.56	548.74
	11	RIG	5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	0.000	0.00	D544	D544	60.870	40.04	92.11	657.87	1206.61

Bit Data		**Motor Data**	
SN	78543	**SN**	TDI-712-MLA07-094
Size (in)	8.500	**OD (in)**	6.940
Type	PDC	**Description**	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS
Description	8.5 Ulterra SCR713 (4x14 3x13) 0.99 TFA	**Make/Model**	Scout / 7885
Make	Ulterra	**Bit to Bend (Usft) / Angle**	4.30 / 1.00
Model	SCR713	**Stab / Kick Pad OD (in)**	8.250 / 7.550
TFA	0.99 (4x14, 3x13)	**Stator Vendor/Type/Fit**	Abaco / Loose / -0.0040
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	8-8-CT-A-X-I-RO-PR	**Lobes**	7/8
Drilled (Usft)	1757.000	**Stages**	8.5
# Blades	7	**Rev/Gal**	0.240
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 2000.0
K Revs	201784	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	19540.0
		Max RPM	120
		Flow Range(gpm)	400-750
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		Pulser SN		Gamma SN		Plug In Date	
Orifice		Driver SN		EM SN		Plug In Time	
Orifice Type		Dir. Module SN		Pulse Width	0.00	Plug Out Date	
Poppet		Battery 1 SN		Data Rate	0.00	Plug Out Time	
Make	ADT	Battery 2 SN		EM Power	0.00	Plug In Hrs	0.00
Model		Battery 3 SN		EM Freq	0.000	Shock Tool	
Fin Size (in)	0.000	Helix SN		Retrievable			

Stabilizer Data						
Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	8.250	5.00	2.50	4	11.00
3	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	41.56
6	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	76.73

BHA 15: 8.5 Production BHA- Quantum

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1206.58
Operator	Occidental Petroleum_Rockies	**BHA #**	15	**BHA Weight dry (klbs)**	92.11
Well	Glade East - OH	**Bit #**	15	**BHA Weight Bouyed (klbs)**	80.43
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	13284.00	**Wt. Below Jars dry (klbs)**	92.11
Date In	06/19/2025	**Depth Out(Usft)**	14419.00	**Wt. Below Jars Bouyed (klbs)**	80.43
Date Out	06/21/2025	**Drilled(Usft)**	1135.00	**Drilling / Circ Hours**	10.03 / 5.72

Sensor Offsets					
Survey Offset	58.00	Gamma Offset	54.37	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	78643	8.5 Ulterra SCR613 (6x15) 1.035 TFA	8.500	3.000	0.000	0.00	4 1/2 REG		150.000	0.15	0.15	1.00	1.00
	2	TDI-712-MLA07-064	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	6.940	0.000	6.940	1.31	4 1/2 IF	4 1/2 REG	150.000	5.85	6.00	38.99	39.99
	3	DR51007	8 1/4 NM4 Blade Stabilizer	6.760	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.28	6.27	3.07	43.06
	4	AUB 624	6 3/4 UBHO	6.540	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.23	6.51	2.61	45.67
	5	AMDC 6042	6 1/2 NMDC	6.340	3.250	0.000	0.00	NC50	4 1/2 IF	90.000	2.55	9.05	28.28	73.95
	6	DR53540	8 1/4 NM4 Blade Stabilizer	6.800	3.250	0.000	0.00	4 1/2 IF	NC50	90.000	0.53	9.59	5.93	79.88
	7	129-23	6 1/2 Drill Guard DV Float	6.300	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.32	9.90	3.51	83.39
	8	AFS 6020M	6 1/2 Filter Sub	6.450	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.48	10.39	5.37	88.76
	9	RIG	6-1/2 Drill Collar (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	90.610	41.35	51.74	456.39	545.15
	10	AX 6299	6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875	0.000	0.00	D544	4 1/2 IF	90.000	0.32	52.06	3.56	548.71
	11	RIG	5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	0.000	0.00	D544	D544	60.870	40.04	92.11	657.87	1206.58

Bit Data		**Motor Data**	
SN	78643	**SN**	TDI-712-MLA07-064
Size (in)	8.500	**OD (in)**	6.940
Type	PDC	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS
Description	8.5 Ulterra SCR613 (6x15) 1.035 TFA	**Make/Model**	CAM
Make	Ulterra	**Bit to Bend (Usft) / Angle**	4.80 / 0.50
Model	SCR613	**Stab / Kick Pad OD (in)**	8.250 / 7.500
TFA	1.03 (6x15)	**Stator Vendor/Type/Fit**	Abaco / Loose / -0.0230
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	3-8-RO-N-X-I-BT-PR	**Lobes**	7/8
Drilled (Usft)	1135.000	**Stages**	8.5
# Blades	6	**Rev/Gal**	0.240
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 2000.0
K Revs	114244	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	19540.0
		Max RPM	120
		Flow Range(gpm)	400-750
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		Pulser SN		Gamma SN		Plug In Date	
Orifice		Driver SN		EM SN		Plug In Time	
Orifice Type		Dir. Module SN		Pulse Width	0.00	Plug Out Date	
Poppet		Battery 1 SN		Data Rate	0.00	Plug Out Time	
Make	ADT	Battery 2 SN		EM Power	0.00	Plug In Hrs	0.00
Model		Battery 3 SN		EM Freq	0.000	Shock Tool	
Fin Size (in)	0.000	Helix SN		Retrievable			

Stabilizer Data						
Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	8.250	5.00	2.50	4	11.00
3	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	41.53
6	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	76.70

BHA 16: 8.5 Production BHA- Quantum

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1212.51
Operator	Occidental Petroleum_Rockies	**BHA #**	16	**BHA Weight dry (klbs)**	92.11
Well	Glade East - OH	**Bit #**	16	**BHA Weight Bouyed (klbs)**	80.43
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	14419.00	**Wt. Below Jars dry (klbs)**	92.11
Date In	06/21/2025	**Depth Out(Usft)**	16074.00	**Wt. Below Jars Bouyed (klbs)**	80.43
Date Out	06/23/2025	**Drilled(Usft)**	1655.00	**Drilling / Circ Hours**	21.92 / 7.48

Sensor Offsets					
Survey Offset	64.00	Gamma Offset	60.30	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	SP2141	8.5 Smith BTZ713 (1x13 6x14) 1.03 TFA	8.500	3.000	0.000	0.00	4 1/2 REG		150.000	0.15	0.15	1.00	1.00
	2	TDI-712-MLA07-064	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	6.940	0.000	6.940	1.31	4 1/2 IF	4 1/2 REG	150.000	5.85	6.00	38.99	39.99
	3	BBHF-7012	Black Box Sensor Sub	6.380	3.500	0.000	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	6.00	5.93	45.92
	4	DR51007	8 1/4 NM4 Blade Stabilizer	6.760	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.28	6.27	3.07	48.99
	5	AUB 624	6 3/4 UBHO	6.540	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.23	6.51	2.61	51.60
	6	AMDC 6042	6 1/2 NMDC	6.340	3.250	0.000	0.00	NC50	4 1/2 IF	90.000	2.55	9.05	28.28	79.88
	7	DR53540	8 1/4 NM4 Blade Stabilizer	6.800	3.250	0.000	0.00	4 1/2 IF	NC50	90.000	0.53	9.59	5.93	85.81
	8	129-23	6 1/2 Drill Guard DV Float	6.300	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.32	9.90	3.51	89.32
	9	AFS 6020M	6 1/2 Filter Sub	6.450	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.48	10.39	5.37	94.69
	10	RIG	6-1/2 Drill Collar (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	90.610	41.35	51.74	456.39	551.08
	11	AX 6299	6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875	0.000	0.00	D544	4 1/2 IF	90.000	0.32	52.06	3.56	554.64
	12	RIG	5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	0.000	0.00	D544	D544	60.870	40.04	92.11	657.87	1212.51

Bit Data		**Motor Data**	
SN	SP2141	**SN**	TDI-712-MLA07-064
Size (in)	8.500	**OD (in)**	6.940
Type	PDC	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS
Description	8.5 Smith BTZ713 (1x13 6x14) 1.03 TFA	**Make/Model**	Scout / CAM
Make	Smith	**Bit to Bend (Usft) / Angle**	4.80 / 0.50
Model	BTZ713	**Stab / Kick Pad OD (in)**	8.250 / 7.500
TFA	1.03 (1x13, 6x14)	**Stator Vendor/Type/Fit**	Abaco / Loose / -0.0230
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	8-8-RO-S-X-I-CR-PR	**Lobes**	7/8
Drilled (Usft)	1655.000	**Stages**	8.5
# Blades	7	**Rev/Gal**	0.240
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 2000.0
K Revs	240824	**Press. Drop(psi)**	200.0
		Max Torque(Kftlb)	19540.0
		Max RPM	120
		Flow Range(gpm)	400-750
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		Pulser SN		Gamma SN		Plug In Date	
Orifice		Driver SN		EM SN		Plug In Time	
Orifice Type		Dir. Module SN		Pulse Width	0.00	Plug Out Date	
Poppet		Battery 1 SN		Data Rate	0.00	Plug Out Time	
Make	ADT	Battery 2 SN		EM Power	0.00	Plug In Hrs	0.00
Model		Battery 3 SN		EM Freq	0.000	Shock Tool	
Fin Size (in)	0.000	Helix SN		Retrievable			

Stabilizer Data						
Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	8.250	5.00	2.50	4	11.00
4	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	47.46
7	8 1/4 NM4 Blade Stabilizer	8.250	6.00	2.50	4	82.63

BHA 17: 8.5 Production BHA- Halliburton

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1298.40
Operator	Occidental Petroleum_Rockies	**BHA #**	17	**BHA Weight dry (klbs)**	94.37
Well	Glade East - OH	**Bit #**	17	**BHA Weight Bouyed (klbs)**	82.41
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	16074.00	**Wt. Below Jars dry (klbs)**	94.37
Date In	06/23/2025	**Depth Out(Usft)**	17314.00	**Wt. Below Jars Bouyed (klbs)**	82.41
Date Out	06/26/2025	**Drilled(Usft)**	1240.00	**Drilling / Circ Hours**	15.53 / 21.43

Sensor Offsets					
Survey Offset	80.00	Gamma Offset	70.71	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	SP2144	8.5 Smith BTZ713 (7x14) 1.05 TFA)	8.500	3.000	0.000	0.00	4 1/2 REG		150.000	0.15	0.15	1.00	1.00
	2	TDI-712-MLA07-098	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)	6.940	0.000	6.940	0.94	4 1/2 IF	4 1/2 REG	150.000	5.86	6.01	39.04	40.04
	3	BBHF-7012	NOV Black Box Sensor Sub	6.380	3.500	0.000	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	6.01	5.93	45.97
	4	GU4346	8.5 Roller Reamer	6.670	2.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.51	6.51	5.65	51.62
	5	AMPC 6033	6 1/2 NMPC	6.350	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	1.23	7.75	13.68	65.30
	6	92000275	Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000	0.000	0.00	NC50	4 1/2 IF	90.000	2.69	10.44	29.89	95.19
	7	11112519	Halliburton TM Collar	6.750	2.875	0.000	0.00	NC50	NC50	90.000	1.39	11.82	15.39	110.58
	8	AMDC 6053	6 1/2 NMDC	6.300	3.250	0.000	0.00	4 1/2 IF	NC50	90.000	2.42	14.24	26.91	137.49
	9	AMDC 6042	6 1/2 NMDC	6.340	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	2.55	16.79	28.28	165.77
	10	GU4342	8.5 Roller Reamer	6.670	2.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.53	17.32	5.93	171.70
	11	129-23	6 1/2 Drill Guard DV Float	6.300	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.32	17.64	3.51	175.21
	12	AFS 6020M	6 1/2 Filter Sub	6.450	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.48	18.12	5.37	180.58
	13	RIG	6-1/2 Drill Collar (5 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	90.610	41.35	59.47	456.39	636.97
	14	AX6299	6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875	0.000	0.00	D544	4 1/2 IF	90.000	0.32	59.79	3.56	640.53
	15	Rig	5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	0.000	0.00	D544	D544	52.560	34.58	94.37	657.87	1298.40

Bit Data		Motor Data	
SN	SP2144	**SN**	TDI-712-MLA07-098
Size (in)	8.500	**OD (in)**	6.940
Type	PDC	**Description**	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)
Description	8.5 Smith BTZ713 (7x14) 1.05 TFA)	**Make/Model**	Cam
Make	Smith	**Bit to Bend (Usft) / Angle**	5.50 / 1.00
Model	BTZ713	**Stab / Kick Pad OD (in)**	8.250 / 7.570
TFA	1.05 (7x14)	**Stator Vendor/Type/Fit**	Abaco / Loose / -0.0250
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	2-8-CT-A-X-I-RO-BHA	**Lobes**	7/8
Drilled (Usft)	1240.000	**Stages**	8.5
# Blades	7	**Rev/Gal**	0.240
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 2000.0
K Revs	179350	**Press. Drop(psi)**	0.0
		Max Torque(Kftlb)	19540.0
		Max RPM	100
		Flow Range(gpm)	400-750
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	HAL	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data

Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)	8.250	4.50	2.50	4	11.25
4	8.5 Roller Reamer	8.500	26.00	6.25	3	48.27
6	Halliburton BaseStar Assembly W/ 8.375 Stabilizer	8.375	10.00	1.50	4	83.05
10	8.5 Roller Reamer	8.500	25.00	6.38	3	167.60

BHA 18: 8.5 Production BHA- Halliburton

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1125.43
Operator	Occidental Petroleum_Rockies	**BHA #**	18	**BHA Weight dry (klbs)**	77.14
Well	Glade East - OH	**Bit #**	18	**BHA Weight Bouyed (klbs)**	67.37
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	17314.00	**Wt. Below Jars dry (klbs)**	77.14
Date In	06/26/2025	**Depth Out(Usft)**	17434.00	**Wt. Below Jars Bouyed (klbs)**	67.37
Date Out	06/28/2025	**Drilled(Usft)**	120.00	**Drilling / Circ Hours**	0.85 / 23.42

Sensor Offsets					
Survey Offset	78.00	Gamma Offset	68.38	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	78124	8.5 Ulterra SCR813	8.500	3.000	0.000	0.00	4 1/2 REG		150.000	0.15	0.15	1.00	1.00
	2	TDI-712-MLA07-092	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (0.0 Fit)	7.010	0.000	7.010	0.91	4 1/2 IF	4 1/2 REG	150.000	5.87	6.02	39.10	40.10
	3	BBHF-7012	NOV Black Box Sensor Sub	6.380	3.500	0.000	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	6.02	5.93	46.03
	4	DR31415	8 1/4 NM 4 Blade Stabilizer	6.760	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.30	6.31	3.32	49.35
	5	AMPC 6033	6 1/2 NMPC	6.350	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	1.23	7.55	13.68	63.03
	6	92000275	Halliburton BaseStar Assembly W/ 8.375 Stabilizer	6.800	3.000	0.000	0.00	NC50	4 1/2 IF	90.000	2.69	10.24	29.89	92.92
	7	11112519	Halliburton TM Collar	6.750	2.875	0.000	0.00	4 1/2 IF	NC50	90.000	1.39	11.62	15.39	108.31
	8	DR51676	8 1/4 NM 4 Blade Stabilizer	6.780	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	11.62	5.84	114.15
	9	AMDC 6053	6 1/2 NMDC	6.300	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	2.42	14.04	26.91	141.06
	10	AMDC 6042	6 1/2 NMDC	6.340	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	2.55	16.59	28.28	169.34
	11	129-23	6 1/2 Drill Guard DV Float	6.300	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.32	16.90	3.51	172.85
	12	AFS 6020M	6 1/2 Filter Sub	6.450	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.48	17.39	5.37	178.22
	13	650SBP567	6 1/2 Bico PBL Sub	6.500	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	17.39	11.45	189.67
	14	RIG	6-1/2 Drill Collar (3 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	90.610	24.86	42.24	274.33	464.00
	15	AX6299	6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875	0.000	0.00	D544	4 1/2 IF	90.000	0.32	42.56	3.56	467.56
	16	Rig	5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	0.000	0.00	D544	D544	52.560	34.58	77.14	657.87	1125.43

Bit Data		Motor Data	
SN	78124	**SN**	TDI-712-MLA07-092
Size (in)	8.500	**OD (in)**	7.010
Type	PDC	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (0.0 Fit)
Description	8.5 Ulterra SCR813	**Make/Model**	Cam
Make	Ulterra	**Bit to Bend (Usft) / Angle**	5.40 / 1.00
Model	SCR813	**Stab / Kick Pad OD (in)**	8.250 / 7.550
TFA	1.06 (4x11, 4x15)	**Stator Vendor/Type/Fit**	Abaco / Loose / -0.0130
Grade In	New	**Pre Run Dyno HP%**	
Grade Out	2-8-CT-S-X-I-RO-HP	**Lobes**	7/8
Drilled (Usft)	120.000	**Stages**	8.5
# Blades	8	**Rev/Gal**	0.240
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 2000.0
K Revs	9996	**Press. Drop(psi)**	200.0
		Max Torque(Kftlb)	19540.0
		Max RPM	100
		Flow Range(gpm)	400-750
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make	HAL	**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000	**Shock Tool**	
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (0.0 Fit)	8.250	4.75	2.00	4	3.00
4	8 1/4 NM4 Blade Stabilizer	8.250	11.25	2.50	4	46.78
6	Halliburton BaseStar Assembly W/ 8.375 Stabilizer	8.375	10.00	1.50	4	80.78
8	8 1/4 NM4 Blade Stabilizer	8.250	12.50	2.50	4	110.54

BHA 19: Oxy Rock Bit run

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	662.91
Operator	Occidental Petroleum_Rockies	**BHA #**	19	**BHA Weight dry (klbs)**	35.04
Well	Glade East - OH	**Bit #**		**BHA Weight Bouyed (klbs)**	30.54
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	17434.00	**Wt. Below Jars dry (klbs)**	35.04
Date In	06/29/2025	**Depth Out(Usft)**	17434.00	**Wt. Below Jars Bouyed (klbs)**	30.54
Date Out	06/30/2025	**Drilled(Usft)**	0.00	**Drilling / Circ Hours**	0.00 / 8.83

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	M16371	Rock Bit	8.500	0.000	0.000	0.00	4 1/2 Reg		90.000	0.09	0.09	1.00	1.00
	2	QTI63693	Bit Sub	6.650	3.500	0.000	0.00	D544	4 1/2 Reg	90.000	0.36	0.45	4.04	5.04
	3	Rig	7 stands of HWDP	5.500	3.250	0.000	0.00	Delta 544	D544	52.566	34.58	35.04	657.87	662.91

Bit Data	
SN	M16371
Size (in)	8.500
Type	
Description	Rock Bit
Make	
Model	
TFA	0.00
Grade In	
Grade Out	
Drilled (Usft)	0.000

BHA 20: 8.5 Production BHA- Quantum

Bottom Hole Assembly

Job#	20467	**Rig**	580	**BHA Length (Usft)**	1034.23
Operator	Occidental Petroleum_Rockies	**BHA #**	20	**BHA Weight dry (klbs)**	71.02
Well	Glade East - OH	**Bit #**	20	**BHA Weight Bouyed (klbs)**	62.02
Field	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies	**Depth In (Usft)**	17434.00	**Wt. Below Jars dry (klbs)**	71.02
Date In	07/01/2025	**Depth Out(Usft)**	17434.00	**Wt. Below Jars Bouyed (klbs)**	62.02
Date Out	07/02/2025	**Drilled(Usft)**	0.00	**Drilling / Circ Hours**	5.00 / 6.02

Sensor Offsets					
Survey Offset	58.00	Gamma Offset	54.00	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (lb/ft)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	78454	8.5 Ulterra SCR813	8.500	3.000	0.000	0.00	4 1/2 REG		150.000	0.15	0.15	1.00	1.00
	2	TDI-712-MLA07-068	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (-0.024 Fit)	6.940	0.000	7.010	0.91	4 1/2 IF	4 1/2 REG	150.000	5.86	6.01	39.04	40.04
	3	DR31415	8 1/4 NM4 Blade Stabilizer	6.760	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.30	6.30	3.32	43.36
	4	AUB 606	6 3/4 UBHO	6.540	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.18	6.49	2.03	45.39
	5	AMDC 6053	6 1/2 NMDC	6.300	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	2.42	8.91	26.91	72.30
	6	DR51676	8 1/4 NM4 Blade Stabilizer	6.780	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.53	9.44	5.84	78.14
	7	129-23	6 1/2 Drill Guard DV Float	6.300	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.32	9.75	3.51	81.65
	8	AFS 6020M	6 1/2 Filter Sub	6.450	2.875	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	0.48	10.23	5.37	87.02
	9	650SBP567	6 1/2 Bico PBL Sub	6.500	2.750	0.000	0.00	4 1/2 IF	4 1/2 IF	90.000	1.03	11.26	11.45	98.47
	10	RIG	6-1/2 Drill Collar (3 Stands)	6.500	2.375	0.000	0.00	4 1/2 IF	4 1/2 IF	90.610	24.86	36.12	274.33	372.80
	11	AX6299	6.5 Crossover Delta 544 B x 4 1/2 IF P	6.550	2.875	0.000	0.00	D544	4 1/2 IF	90.000	0.32	36.44	3.56	376.36
	12	Rig	5-1/2 HWDP (52.566lb/ft) (7 Stands)	5.500	3.250	0.000	0.00	D544	D544	52.560	34.58	71.02	657.87	1034.23

Bit Data		Motor Data	
SN	78454	**SN**	TDI-712-MLA07-068
Size (in)	8.500	**OD (in)**	6.940
Type	PDC	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (-0.024 Fit)
Description	8.5 Ulterra SCR813	**Make/Model**	Cam
Make	Ulterra	**Bit to Bend (Usft) / Angle**	4.80 / 0.50
Model	SCR813	**Stab / Kick Pad OD (in)**	8.250 / 7.520
TFA	1.06 (4x11, 4x15)	**Stator Vendor/Type/Fit**	Abaco / Loose / -0.0240
Grade In	New	**Pre Run Dyno HP%**	
Grade Out		**Lobes**	7/8
Drilled (Usft)	0.000	**Stages**	8.5
# Blades	8	**Rev/Gal**	0.240
IADC Code		**Diff Press (Avg/Max))(psi)**	0.0 / 2000.0
K Revs	0	**Press. Drop(psi)**	200.0
		Max Torque(Kftlb)	19540.0
		Max RPM	120
		Flow Range(gpm)	400-750
		Re-Run	NO
		Direct Bill	NO

MWD Data							
MWD Type		Pulser SN		Gamma SN		Plug In Date	
Orifice		Driver SN		EM SN		Plug In Time	
Orifice Type		Dir. Module SN		Pulse Width	0.00	Plug Out Date	
Poppet		Battery 1 SN		Data Rate	0.00	Plug Out Time	
Make	ADT	Battery 2 SN		EM Power	0.00	Plug In Hrs	0.00
Model		Battery 3 SN		EM Freq	0.000	Shock Tool	
Fin Size (in)	0.000	Helix SN		Retrievable			

Stabilizer Data						
Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (-0.024 Fit)	8.250	5.00	2.00	4	11.38
3	8 1/4 NM4 Blade Stabilizer	8.250	11.25	2.50	4	40.79
6	8 1/4 NM4 Blade Stabilizer	8.250	12.50	2.50	4	74.53

Innovative Drilling Solutions
Data-Driven Decision

SCOUT DRILLING TECHNOLOGIES

BOTTOM HOLE ASSEMBLY MUD MOTOR RECAP

Scout Drilling Technologies
1125 Beach Airport Road, Conroe, Texas 77301
Office: 936-756-3210
www.scoutdrilltech.com

17.5 Surface - Motor Performance Report

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	RSS Failure	**BHA #**	1
Lead DD	Julian Parras	**Company Man**	Jake Hopper
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/08/2025 04:00	**SN**	TDI-962-MLA01-017	**WOB Rotate (klbs)**	28.46
Date Out	04/08/2025 20:15	**Description**	9 5/8 Scout 5/6 4.0	**WOB Slide (klbs)**	
Depth In(Usft)	108.00	**Make**		**RPM Max**	
Depth Out(Usft)	1276.00	**Model**		**RPM Avg**	65.38
Inc In	0.40	**Re-run**	NO	**Flow Rate (gpm)**	861.54
Inc Out	1.39	**Direct Bill**	NO	**Off Btm Press (psi)**	1526.15
Azi In	26.27	**Lobes**	5/6	**On Btm Press (psi)**	1876.38
Azi Out	249.19	**Stages**	4.0	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	1168.00	**Bend Angle**		**Tq On Btm (Kftlb)**	10.92
%Slide (Rtg)	0.00	**Bit to Bend (Usft)**		**Tq Off Btm (Kftlb)**	1.92
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Temperature (degF)**	1000 / 0 / 0
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	109.00
Slide Hours	0.00	**Stab to Bit (Usft)**		**ROT WT (klbs)**	104.00
%Rotary (Rtg)	100.00	**Kickpad OD (in)**		**SO WT (klbs)**	99.00
%Rotary (Hrs)	100.00	**Body OD (in)**	9.660	**Bit SN**	A315626
Rotary Drilled (Usft)	1168.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	3.20	**Length (Usft)**	35.10	**Bit Make**	Reed Hycalog
Total Drlg Hrs	3.20	**Integral Float**	YES	**Bit Model**	TK69
Total D&C Hrs	6.08	**Rev per Gal:**	0.108	**Bit OD (in)**	17.500
Off Btm Circ Hrs	2.88	**#Stalls**		**Bit TFA**	0.90 (6x14)
BRT Hrs	16.25	**Stalls Pressure**		**Bit #**	2
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	365.00	**Stator Type**		**Bit Grade Out**	1-1-NO-A-X-I-NR-DTF
Avg ROP (Usft/hr)	365.00	**Stator Fit**	0.023	**Drill Hrs**	3.20
		Pre-Run Dyno HP%		**Circ Hrs**	2.88
		Max DiffP (psi)	900.00	**# Blades**	6
		Max Torque (Kftlb)	19240.00	**IADC Code**	
		Flow Range (gpm)	600-1200	**K Revs**	30109.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
76.00	73.15				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 1.47

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
17.5" REED TK69 0.90 (6x14)	A315626	17.500		7 5/8 REG				225.00	2.00	2.00
14" Vertical Scout	SDI-1400US08-015	10.688		6 5/8 REG	7 5/8 REG			360.00	24.30	26.30
9 5/8 Scout 5/6 4.0	TDI-962-MLA01-017	9.660		6 5/8 REG	6 5/8 REG			295.30	35.10	61.40
17" 7/16 NM Blade Stabilizer	DR11561	8.000	3.000	6 5/8 REG	6 5/8 REG				6.64	68.04
8" NMPC	AMPC 8007	7.990	3.250	6 5/8 REG	6 5/8 REG			149.60	14.15	82.19
8" Gap Sub	MESH800-2708	8.000	3.750	6 5/8 REG	6 5/8 REG			149.60	8.38	90.57
17" 7/16 NM Blade Stabilizer	DR11563	7.875	3.000	6 5/8 REG	6 5/8 REG				5.94	96.51
8" NMDC	AMDC 8004	7.960	3.250	6 5/8 REG	6 5/8 REG			149.60	29.41	125.92
8" Shock Sub	160-80500	8.060	2.750	6 5/8 REG	6 5/8 REG			101.00	13.40	139.32
8" DC (1 Stand)	RIG	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	89.96	229.28
XO 4 1/2 IF B x 6 5/8 Reg P	AX8139	6.760	2.875	4 1/2 IF	6 5/8 REG			124.90	2.34	231.62
6.5" DC (1 Stand)	RIG	6.500	2.250	4 1/2 IF	4 1/2 IF			108.00	91.62	323.24
XO Delta257 B x 4 1/2 IF P	AX6314	6.650	2.625	Delta527	4 1/2 IF			108.00	3.42	326.66
5" HWDP (10 Stands)	RIG	5.000		Delta527	Delta527			30.00	949.07	1275.73

Additional Comments

Reason to POOH: Verti Steer failing to keep wellbore vertical Surface findings: Piston seal extruding from weep hole drain on lower piston slide Run description: Well bore drilled F/ 108 ft- T/ 1276 ft Type of Fluid: Fresh Water Temp In: 65? F Temp Out: 110? F Ream In footge (ft): 350ft Ream In total Time (Hrs): 3 hrs Additional Comments: When flow rate was increased well bore deviated and Verti steer failed to correct angel building in wellbore. Reaming was applied to minimize wellbore drift. Parameters were changed in attempts to correct wellbore drift and were unsuccessful. Decision was made to TOOH and inspect tools. On surface, Verti steer push pads had a piston seal extruding from one of the lower pads indicating a failed pad piston. Verti steer was replaced, and a different long gauge bit was installed.

17.5 Surface - Motor Performance Report

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	Section TD	**BHA #**	2
Lead DD	Julian Parras	**Company Man**	Jake Hopper
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/08/2025 22:30	**SN**	TDI-962-MLA01-017	**WOB Rotate (klbs)**	26.29
Date Out	04/09/2025 14:00	**Description**	9 5/8 Scout 5/6 4.0	**WOB Slide (klbs)**	
Depth In(Usft)	1276.00	**Make**		**RPM Max**	
Depth Out(Usft)	2189.00	**Model**		**RPM Avg**	50.71
Inc In	1.39	**Re-run**	NO	**Flow Rate (gpm)**	764.29
Inc Out	2.49	**Direct Bill**	NO	**Off Btm Press (psi)**	1566.43
Azi In	249.19	**Lobes**	5/6	**On Btm Press (psi)**	1971.43
Azi Out	328.85	**Stages**	4.0	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	913.00	**Bend Angle**		**Tq On Btm (Kftlb)**	12.76
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**		**Tq Off Btm (Kftlb)**	2.63
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Temperature (degF)**	1000 / 0 / 0
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	145.00
Slide Hours	0.00	**Stab to Bit (Usft)**		**ROT WT (klbs)**	140.60
%Rotary (Ftg)	100.00	**Kickpad OD (in)**		**SO WT (klbs)**	138.00
%Rotary (Hrs)	100.00	**Body OD (in)**	9.660	**Bit SN**	A314349
Rotary Drilled (Usft)	913.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	5.13	**Length (Usft)**	35.10	**Bit Make**	Reed Hycalog
Total Drlg Hrs	5.13	**Integral Float**	YES	**Bit Model**	TK66
Total D&C Hrs	8.80	**Rev per Gal:**	0.108	**Bit OD (in)**	17.500
Off Btm Circ Hrs	3.67	**#Stalls**		**Bit TFA**	0.91 (5x11, 4x12)
BRT Hrs	15.50	**Stalls Pressure**		**Bit #**	2
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	177.86	**Stator Type**		**Bit Grade Out**	1-1-WT-A-X-I-NO-TD
Avg ROP (Usft/hr)	177.86	**Stator Fit**	0.023	**Drill Hrs**	5.13
		Pre-Run Dyno HP%		**Circ Hrs**	3.67
		Max DiffP (psi)	900.00	**# Blades**	6
		Max Torque (Kftlb)	19240.00	**IADC Code**	
		Flow Range (gpm)	600-1200	**K Revs**	40688.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
								8.40		FRESH WATER			

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
77.00	74.22				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 1.83

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
17.5" REED TK66 (5x11,4x12 0.906 TFA 0.91 (5x11, 4x12)	A314349	17.500		7 5/8 REG				225.00	2.00	2.00
14" Vertical Scout	SDI-1400US08-008	13.560		6 5/8 REG	7 5/8 REG			360.00	25.37	27.37
9 5/8 Scout 5/6 4.0	TDI-962-MLA01-017	9.660		6 5/8 REG	6 5/8 REG			295.30	35.10	62.47
17" 7/16 NM Blade Stabilizer	DR11561	8.000	3.000	6 5/8 REG	6 5/8 REG				6.64	69.11
8" NMPC	AMPC 8007	7.990	3.250	6 5/8 REG	6 5/8 REG			149.60	14.15	83.26
8" Gap Sub	MESH800-2708	8.000	3.750	6 5/8 REG	6 5/8 REG			149.60	8.38	91.64
17" 7/16 NM Blade Stabilizer	DR11563	7.875	3.000	6 5/8 REG	6 5/8 REG				5.94	97.58
8" NMDC	AMDC 8004	7.960	3.250	6 5/8 REG	6 5/8 REG			149.60	29.41	126.99
8" Shock Sub	160-80500	8.060	2.750	6 5/8 REG	6 5/8 REG			101.00	13.40	140.39
8" DC (1 Stand)	RIG	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	89.96	230.35
XO 4 1/2 IF B x 6 5/8 Reg P	AX8139	6.760	2.875	4 1/2 IF	6 5/8 REG			124.90	2.34	232.69
6.5" DC (1 Stand)	RIG	6.500	2.250	4 1/2 IF	4 1/2 IF			108.00	91.62	324.31
XO Delta257 B x 4 1/2 IF P	AX6314	6.650	2.625	Delta527	4 1/2 IF			108.00	3.42	327.73
5" HWDP (10 Stands)	RIG	5.000		Delta527	Delta527			30.00	949.07	1276.80

Additional Comments

Reason to POOH: TD reached Surface findings: Hard plastic found in jets Run description: Well bore drilled F/ 1276 ft- T/ 2189 ft Type of Fluid: Fresh Water Temp In: 65? F Temp Out: 110? F Ream In footge (ft): 200ft Ream In total Time (Hrs): 3.5 hrs Additional Comments: When flow rate was increased well bore deviated and Verti steer failed to correct angel building in wellbore. Reaming was applied to minimize wellbore drift. Parameters were changed in attempts to correct wellbore drift and were unsuccessful. Decision was made to TD early and POOH to run casing.

12.25 Orbit Intermediate - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES ™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	3
Lead DD	Kolton Tobin	**Company Man**	Jake Hopper
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/01/2025 09:30	**SN**	BPB5962-0023	**WOB Rotate (klbs)**	34.36
Date Out	05/03/2025 13:30	**Description**	9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS	**WOB Slide (klbs)**	
Depth In(Usft)	2189.00	**Make**		**RPM Max**	
Depth Out(Usft)	8026.00	**Model**	SSS100	**RPM Avg**	83.94
Inc In	2.49	**Re-run**	NO	**Flow Rate (gpm)**	793.57
Inc Out	5.32	**Direct Bill**	NO	**Off Btm Press (psi)**	3948.36
Azi In	328.85	**Lobes**	7/8	**On Btm Press (psi)**	4390.14
Azi Out	198.72	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	5837.00	**Bend Angle**		**Tq On Btm (Kftlb)**	15.41
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**		**Tq Off Btm (Kftlb)**	5.86
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	1000 / 0 / 0
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	217.29
Slide Hours	0.00	**Stab to Bit (Usft)**	3.85	**ROT WT (klbs)**	210.86
%Rotary (Ftg)	100.00	**Kickpad OD (in)**		**SO WT (klbs)**	207.00
%Rotary (Hrs)	100.00	**Body OD (in)**	9.650	**Bit SN**	77790
Rotary Drilled (Usft)	5837.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	28.20	**Length (Usft)**	42.50	**Bit Make**	Ulterra
Total Drlg Hrs	28.20	**Integral Float**	YES	**Bit Model**	U616S
Total D&C Hrs	31.43	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	3.23	**#Stalls**		**Bit TFA**	1.17 (9x13)
BRT Hrs	52.00	**Stalls Pressure**		**Bit #**	3
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	206.99	**Stator Type**	Loose	**Bit Grade Out**	2-4-CT-A-X-I-PR
Avg ROP (Usft/hr)	206.99	**Stator Fit**	0.007	**Drill Hrs**	28.20
		Pre-Run Dyno HP%		**Circ Hrs**	3.23
		Max DiffP (psi)	1550.00	**# Blades**	6
		Max Torque (Kftlb)	40641.00	**IADC Code**	
		Flow Range (gpm)	600-1200	**K Revs**	261130.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
36	22	13	9	4	3	14 / 8	71.4 / 28.6	9.00	39000.00	TEROS	7.50		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
87.00	83.66				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 1.26

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra U616S 1.17 (9x13)	77790	12.250		6 5/8 Reg				200.00	1.50	1.50
9" Power drive RSS	104155-EXT	8.380	5.250	6 5/8 REG	6 5/8 Reg			165.00	13.79	15.29
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	22.82
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	28.45
9 5/8" Bico 7/8 4.8 STR Pin Down 12 1/8" NBS	BPB5962-0023	9.650		6 5/8 REG	6 5/8 REG			226.00	42.50	70.95
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	75.03
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	103.58
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	111.95
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	120.00
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	301.87
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	304.57
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	761.41
6.5" Filter Sub	AFS6020M	6.420	2.812	4 1/2 IF	4 1/2 IF			95.00	5.33	766.74
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	770.25
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1719.32

Additional Comments

Reason to POOH: ROP drop after downlink and torque became erratic going from 0 to 15K TD reached Surface findings:Motor drained well, RSS had a pad that wouldnt move and the other two moved freely. Run description: Well bore drilled F/ 2189 ft- T/ 8026 ft. Motor and bit performed great. RSS hold vertical really Well. When it was time to Build Inc and Azm the RSS build angle well. Getting the RSS to move over on AZM was a Challenge the 1-29 Command wasnt working so had to go Command 1-30. Once in that Command at 35%the AZM started to Turn. Type of Fluid: OBM Temp In: 117 Temp Out: 215 Ream In footge (ft): Additional Comments: Later on checked the pads three hours after laydown and all three moved freely. Pason Bit hrs-28.3 Circ hrs-36.2

12.25 Orbit Intermediate #2 - Motor Performance Report

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	4
Lead DD	Kolton Tobin	**Company Man**	Jake Hopper
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/03/2025 18:00	**SN**	BPB5962-0051	**WOB Rotate (klbs)**	55.00
Date Out	05/04/2025 10:45	**Description**	9 5/8 Bico 7/8 4.8 STR Pin Down 12 1/8 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	8026.00	**Make**		**RPM Max**	
Depth Out(Usft)	8141.00	**Model**		**RPM Avg**	42.50
Inc In	5.32	**Re-run**	NO	**Flow Rate (gpm)**	800.00
Inc Out	5.02	**Direct Bill**	NO	**Off Btm Press (psi)**	4335.50
Azi In	198.72	**Lobes**	7/8	**On Btm Press (psi)**	5100.00
Azi Out	205.46	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	115.00	**Bend Angle**		**Tq On Btm (Kftlb)**	15.50
%Slide (Rtg)	0.00	**Bit to Bend (Usft)**		**Tq Off Btm (Kftlb)**	4.00
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	1000 / 0 / 0
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	290.00
Slide Hours	0.00	**Stab to Bit (Usft)**	3.90	**ROT WT (klbs)**	280.00
%Rotary (Rtg)	100.00	**Kickpad OD (in)**		**SO WT (klbs)**	285.00
%Rotary (Hrs)	100.00	**Body OD (in)**	9.500	**Bit SN**	A313829
Rotary Drilled (Usft)	115.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	2.95	**Length (Usft)**	42.47	**Bit Make**	Reed Hycalog
Total Drlg Hrs	2.95	**Integral Float**	YES	**Bit Model**	TKF76-T10
Total D&C Hrs	4.18	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	1.23	**#Stalls**		**Bit TFA**	1.14 (8x12, 2x13)
BRT Hrs	16.75	**Stalls Pressure**		**Bit #**	4
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	38.98	**Stator Type**	Tight	**Bit Grade Out**	3-7-FC-S-X-1/16-BT-PR
Avg ROP (Usft/hr)	38.98	**Stator Fit**	0.003	**Drill Hrs**	2.95
		Pre-Run Dyno HP%		**Circ Hrs**	1.23
		Max DiffP (psi)	1550.00	**# Blades**	7
		Max Torque (Kftlb)	40641.00	**IADC Code**	3
		Flow Range (gpm)	600-1200	**K Revs**	22578.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
34	21	17	12	4	3	13 / 8	70.6 / 29.4	9.50	41000.00	TEROS	11.50		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
87.00	83.62				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
				1.00	0.00 / 0.65

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Reed TKF76-T10 1.14 (8x12, 2x13)	A313829	12.250		6 5/8 Reg				200.00	1.50	1.50
9 Power drive RSS	102048-EXT	8.390	5.250	6 5/8 REG	6 5/8 Reg			165.00	13.79	15.29
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	22.82
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	28.45
9 5/8 Bico 7/8 4.8 STR Pin Down 12 1/8 NBS	BPB5962-0051	9.500		6 5/8 REG	6 5/8 REG			226.00	42.47	70.92
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	75.00
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	103.55
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	111.92
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	119.97
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	301.84
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	304.54
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	761.38
6.5" Filter Sub	AFS6020M	6.420	2.812	4 1/2 IF	4 1/2 IF			95.00	5.33	766.71
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	770.22
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1719.29

Additional Comments

Reason to POOH: ROP - Suspected Bit Failure Surface findings: String Stabs were found to be in Gauge, Motor Drained and Bit was 3-7-FC-S-X-1/16-BT-PR Run description: Well bore drilled F/ 8026ft- T/ 8141 ft where torque got very erratic, ROP fell Off Type of Fluid: Synthetic OBM Temp In: N/A 194?F Temp Out: N/A 194? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 3, Circ Hours 5

12.25 Intermediate - Motor Performance Report

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	5
Lead DD	Kolton Tobin	**Company Man**	Jake Hopper
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/04/2025 13:45	**SN**	BPB5962-0033	**WOB Rotate (klbs)**	54.80
Date Out	05/05/2025 20:00	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	8141.00	**Make**	BICO	**RPM Max**	80
Depth Out(Usft)	8551.00	**Model**	9.63 SSS100-B5	**RPM Avg**	22.14
Inc In	5.02	**Re-run**	NO	**Flow Rate (gpm)**	800.00
Inc Out	4.00	**Direct Bill**	NO	**Off Btm Press (psi)**	4420.00
Azi In	205.46	**Lobes**	7/8	**On Btm Press (psi)**	4680.00
Azi Out	216.11	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	410.00	**Bend Angle**	1.15	**Tq On Btm (Kftlb)**	6.00
%Slide (Ftg)	7.07	**Bit to Bend (Usft)**	7.98	**Tq Off Btm (Kftlb)**	10.86
%Slide (Hrs)	7.77	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	1000 / 0 / 0
Slide Drilled (Usft)	29.00	**Bearing Gap (in)**		**PU WT (klbs)**	285.00
Slide Hours	1.40	**Stab to Bit (Usft)**	4.08	**ROT WT (klbs)**	280.00
%Rotary (Ftg)	92.93	**Kickpad OD (in)**	10.180	**SO WT (klbs)**	275.00
%Rotary (Hrs)	92.23	**Body OD (in)**	9.540	**Bit SN**	5363078
Rotary Drilled (Usft)	381.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	16.62	**Length (Usft)**	36.12	**Bit Make**	Baker Hughes
Total Drlg Hrs	18.02	**Integral Float**	YES	**Bit Model**	K6M525
Total D&C Hrs	18.47	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	0.45	**#Stalls**		**Bit TFA**	1.30 (4x18, 4x10)
BRT Hrs	30.25	**Stalls Pressure**		**Bit #**	5
Slide ROP (Usft/hr)	20.71	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	22.93	**Stator Type**	Loose	**Bit Grade Out**	1-1-CT-A-E-I-NO-BHA
Avg ROP (Usft/hr)	22.76	**Stator Fit**	-0.005	**Drill Hrs**	18.02
		Pre-Run Dyno HP%		**Circ Hrs**	0.45
		Max DiffP (psi)	1550.00	**# Blades**	6
		Max Torque (Kftlb)	40641.00	**IADC Code**	5
		Flow Range (gpm)	600-1200	**K Revs**	113935.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
32	20	16	10	4	3	12 / 8	71.6 / 28.4	9.60	39000.00	TEROS	12.00		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
61.00	57.85				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 0.63

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Baker Hughes 1.30 (4x18, 4x10)	5363078	12.250		6 5/8 REG				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	BPB5962-0033	9.540		6 5/8 REG	6 5/8 REG			226.00	36.12	37.62
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	45.15
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	49.23
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	77.78
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	86.15
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	94.20
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	99.83
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	281.70
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	284.40
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	741.24
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	744.75
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1693.82

Additional Comments

Reason to POOH: ROP ? Change Bit Surface findings: String Stabs were found to be in Gauge, Motor two stabilizer blades under the ako was under gauge 1/4 of an inch. Motor Drained Fine and Bit was 1-1-CT-A-E-I-NO-BHA Run description: Well bore drilled F/ 8141ft- T/ 8551 ft, the decision was made to POOH to change bit. Type of Fluid: Synthetic OBM Temp In: N/A 194?F Temp Out: N/A 223? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 18.1, Circ Hours 18.3

12.25 Intermediate - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	6
Lead DD	Kolton Tobin	**Company Man**	Jake Hopper
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/05/2025 22:00	**SN**	BPB5962-0033	**WOB Rotate (klbs)**	65.93
Date Out	05/07/2025 14:15	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	8551.00	**Make**	BICO	**RPM Max**	80
Depth Out(Usft)	9447.00	**Model**	9.63 SSS100-B5	**RPM Avg**	44.62
Inc In	4.00	**Re-run**	YES	**Flow Rate (gpm)**	800.00
Inc Out	2.66	**Direct Bill**	NO	**Off Btm Press (psi)**	4593.33
Azi In	216.11	**Lobes**	7/8	**On Btm Press (psi)**	5000.00
Azi Out	216.67	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	896.00	**Bend Angle**	1.15	**Tq On Btm (Kftlb)**	14.54
%Slide (Ftg)	1.79	**Bit to Bend (Usft)**	7.98	**Tq Off Btm (Kftlb)**	7.00
%Slide (Hrs)	10.79	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	1000 / 0 / 0
Slide Drilled (Usft)	16.00	**Bearing Gap (in)**		**PU WT (klbs)**	299.00
Slide Hours	2.95	**Stab to Bit (Usft)**	4.08	**ROT WT (klbs)**	285.00
%Rotary (Ftg)	98.21	**Kickpad OD (in)**	10.180	**SO WT (klbs)**	286.00
%Rotary (Hrs)	89.21	**Body OD (in)**	9.540	**Bit SN**	58982
Rotary Drilled (Usft)	880.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	24.40	**Length (Usft)**	36.12	**Bit Make**	Ulterra
Total Drlg Hrs	27.35	**Integral Float**	YES	**Bit Model**	SSS100-B5
Total D&C Hrs	28.12	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	0.77	**#Stalls**		**Bit TFA**	0.91 (7x13)
BRT Hrs	40.25	**Stalls Pressure**		**Bit #**	6
Slide ROP (Usft/hr)	5.42	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	36.07	**Stator Type**	Loose	**Bit Grade Out**	1-3-CT-S-X-I-WT-PR
Avg ROP (Usft/hr)	32.76	**Stator Fit**	-0.005	**Drill Hrs**	27.35
		Pre-Run Dyno HP%		**Circ Hrs**	0.77
		Max DiffP (psi)	1550.00	**# Blades**	7
		Max Torque (Kftlb)	40641.00	**IADC Code**	
		Flow Range (gpm)	600-1200	**K Revs**	203395.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
32	20	15	10	4	3	12 / 8	73.9 / 26.1	9.50	43000.00	TEROS	12.00		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
61.00	57.85				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
				1.00	0.40 / 0.44

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 0.91 (7x13)	58982	12.250		6 5/8 REG				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	BPB5962-0033	9.540		6 5/8 REG	6 5/8 REG			226.00	36.12	37.62
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	45.15
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	49.23
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	77.78
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	86.15
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	94.20
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	99.83
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	281.70
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	284.40
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	741.24
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	744.75
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1693.82

Additional Comments

Reason to POOH: ROP ? Change Bit Surface findings: String Stabs were found to be in Gauge, Motor Drained and Bit was 1-3-CT-S-X-I-WT-PR Run description: Well bore drilled F/ 8551ft- T/ 9447 ft, the decision was made to POOH to change bit. Type of Fluid: Synthetic OBM Temp In: N/A 194?F Temp Out: N/A 240? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 26.4, Circ Hours 28.9

12.25 Intermediate - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	7
Lead DD	Kolton Tobin	**Company Man**	Jon Rohman
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/07/2025 16:45	**SN**	BPB5962-0040	**WOB Rotate (klbs)**	62.31
Date Out	05/09/2025 08:30	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	9447.00	**Make**	BICO	**RPM Max**	80
Depth Out(Usft)	9805.00	**Model**		**RPM Avg**	27.00
Inc In	2.66	**Re-run**	NO	**Flow Rate (gpm)**	800.00
Inc Out	3.52	**Direct Bill**	NO	**Off Btm Press (psi)**	4500.00
Azi In	216.67	**Lobes**	7/8	**On Btm Press (psi)**	5050.00
Azi Out	223.33	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	358.00	**Bend Angle**	1.15	**Tq On Btm (Kftlb)**	15.90
%Slide (Ftg)	24.30	**Bit to Bend (Usft)**	7.98	**Tq Off Btm (Kftlb)**	7.00
%Slide (Hrs)	42.75	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	1000 / 0 / 0
Slide Drilled (Usft)	87.00	**Bearing Gap (in)**		**PU WT (klbs)**	310.00
Slide Hours	7.83	**Stab to Bit (Usft)**	4.08	**ROT WT (klbs)**	305.00
%Rotary (Ftg)	75.70	**Kickpad OD (in)**	10.170	**SO WT (klbs)**	300.00
%Rotary (Hrs)	57.25	**Body OD (in)**	9.640	**Bit SN**	5362474
Rotary Drilled (Usft)	271.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	10.49	**Length (Usft)**	36.19	**Bit Make**	Baker Hughes
Total Drlg Hrs	18.32	**Integral Float**	YES	**Bit Model**	K5M636
Total D&C Hrs	19.25	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	0.93	**#Stalls**		**Bit TFA**	1.11 (3x14, 6x12)
BRT Hrs	39.75	**Stalls Pressure**		**Bit #**	7
Slide ROP (Usft/hr)	11.11	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	25.84	**Stator Type**	Interface	**Bit Grade Out**	1-2-CT-S-E-I-WT-PR
Avg ROP (Usft/hr)	19.55	**Stator Fit**	0.000	**Drill Hrs**	18.32
		Pre-Run Dyno HP%		**Circ Hrs**	0.93
		Max DiffP (psi)	1550.00	**# Blades**	0
		Max Torque (Kftlb)	40641.00	**IADC Code**	
		Flow Range (gpm)	600-1200	**K Revs**	110568.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
35	22	15	10	4	3	13 / 9	74.9 / 25.1	9.90	38000.00	TEROS	14.50		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
61.00	57.92				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
				1.00	0.50 / 0.90

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Baker Hughes 1.11 (3x14, 6x12)	5362474	12.250		6 5/8 REG				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	BPB5962-0040	9.640		6 5/8 REG	6 5/8 REG			226.00	36.19	37.69
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	45.22
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	49.30
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	77.85
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	86.22
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	94.27
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	99.90
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	281.77
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	284.47
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	741.31
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	744.82
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1693.89

Additional Comments

Reason to POOH: ROP ? Change Bit Surface findings: String Stabs were found to be in Gauge, Motor Drained and Bit was 1-2-CT-S-E-I-WT-PR Run description: Well bore drilled F/ 9447FT- T/ 9805 ft, the decision was made to POOH to change bit. Type of Fluid: Synthetic OBM Temp In: N/A 222?F Temp Out: N/A 233? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 17.8, Circ Hours 27.5

12.25 Intermediate - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	8
Lead DD	Kolton Tobin	**Company Man**	Jon Rohman
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/10/2025 03:00	**SN**	BPB5962-0040	**WOB Rotate (klbs)**	65.91
Date Out	05/11/2025 07:30	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	9805.00	**Make**		**RPM Max**	80
Depth Out(Usft)	10179.00	**Model**		**RPM Avg**	40.00
Inc In	3.52	**Re-run**	NO	**Flow Rate (gpm)**	800.00
Inc Out	3.22	**Direct Bill**	NO	**Off Btm Press (psi)**	5127.27
Azi In	223.33	**Lobes**	7/8	**On Btm Press (psi)**	5590.64
Azi Out	226.08	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	374.00	**Bend Angle**	1.15	**Tq On Btm (Kftlb)**	17.00
%Slide (Rtg)	4.28	**Bit to Bend (Usft)**	8.87	**Tq Off Btm (Kftlb)**	7.00
%Slide (Hrs)	8.71	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	220 / 227 / 240
Slide Drilled (Usft)	16.00	**Bearing Gap (in)**		**PU WT (klbs)**	315.00
Slide Hours	1.13	**Stab to Bit (Usft)**	4.02	**ROT WT (klbs)**	310.00
%Rotary (Rtg)	95.72	**Kickpad OD (in)**	10.170	**SO WT (klbs)**	300.00
%Rotary (Hrs)	91.29	**Body OD (in)**	9.640	**Bit SN**	75227
Rotary Drilled (Usft)	358.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	11.84	**Length (Usft)**	36.19	**Bit Make**	Ulterra
Total Drlg Hrs	12.97	**Integral Float**	YES	**Bit Model**	RPS716
Total D&C Hrs	14.40	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	1.43	**#Stalls**		**Bit TFA**	0.93 (10x11)
BRT Hrs	28.50	**Stalls Pressure**		**Bit #**	8
Slide ROP (Usft/hr)	14.16	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	30.25	**Stator Type**	Loose	**Bit Grade Out**	1-8-RR-S-X-1/16-RG-PR
Avg ROP (Usft/hr)	28.84	**Stator Fit**	0.007	**Drill Hrs**	12.97
		Pre-Run Dyno HP%		**Circ Hrs**	1.43
		Max DiffP (psi)	1550.00	**# Blades**	7
		Max Torque (Kftlb)	40641.00	**IADC Code**	
		Flow Range (gpm)	600-1200	**K Revs**	93752.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
40	24	18	11	4	3	16 / 8	74.9 / 25.1	10.15	33000.00	TEROS	14.00		240.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
61.00	57.82				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
				1.00	0.24 / 0.24

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 6.5" Gauge 10x11 Jets 0.93 (10x11)	75227	12.250		6 5/8 REG				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.125 NBS	BPB5962-0040	9.640		6 5/8 REG	6 5/8 REG			226.00	36.19	37.69
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	45.22
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	49.30
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	77.85
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	86.22
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	94.27
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	99.90
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	281.77
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	284.47
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	741.31
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	744.82
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1693.89

Additional Comments

Reason to POOH: ROP ? Change Bit Surface findings: String Stabs were found to be in Gauge, Motor Drained and Bit was 1-8-RR-S-X-1/16-RG-PR Run description: Well bore drilled F/ 9805t- T/ 10179 ft, the decision was made to POOH to change bit/ Motor Type of Fluid: Synthetic OBM Temp In: N/A 194?F Temp Out: N/A 240? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 12.7, Circ Hours 16.8

12.25 Intermediate - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	Bit Trip	**BHA #**	9
Lead DD	Kolton Tobin	**Company Man**	Jon Rohman
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/11/2025 10:30	**SN**	BPB5962-0011	**WOB Rotate (klbs)**	66.25
Date Out	05/12/2025 06:00	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	10179.00	**Make**		**RPM Max**	80
Depth Out(Usft)	10352.00	**Model**		**RPM Avg**	43.75
Inc In	3.22	**Re-run**	NO	**Flow Rate (gpm)**	800.00
Inc Out	3.12	**Direct Bill**	NO	**Off Btm Press (psi)**	4900.00
Azi In	226.08	**Lobes**	7/8	**On Btm Press (psi)**	5350.00
Azi Out	228.72	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	173.00	**Bend Angle**	1.15	**Tq On Btm (Kftlb)**	22.00
%Slide (Rtg)	0.00	**Bit to Bend (Usft)**	8.87	**Tq Off Btm (Kftlb)**	7.00
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	230 / 230 / 230
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	325.00
Slide Hours	0.00	**Stab to Bit (Usft)**	4.02	**ROT WT (klbs)**	315.00
%Rotary (Rtg)	100.00	**Kickpad OD (in)**	10.170	**SO WT (klbs)**	310.00
%Rotary (Hrs)	100.00	**Body OD (in)**	9.680	**Bit SN**	A313828
Rotary Drilled (Usft)	173.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	4.88	**Length (Usft)**	36.24	**Bit Make**	Reed Hycalog
Total Drlg Hrs	4.88	**Integral Float**	YES	**Bit Model**	TKF76-T10
Total D&C Hrs	5.98	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	1.10	**#Stalls**		**Bit TFA**	1.14 (8x12, 2x13)
BRT Hrs	19.50	**Stalls Pressure**		**Bit #**	9
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	35.43	**Stator Type**	Loose	**Bit Grade Out**	2-8-NR-G-X-1/16-RG-PR
Avg ROP (Usft/hr)	35.43	**Stator Fit**	0.007	**Drill Hrs**	4.88
		Pre-Run Dyno HP%		**Circ Hrs**	1.10
		Max DiffP (psi)	1550.00	**# Blades**	7
		Max Torque (Kftlb)	40641.00	**IADC Code**	9
		Flow Range (gpm)	600-1200	**K Revs**	36412.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
40	24	18	11	4	3	16 / 8	74.9 / 25.1	10.15	33000.00	TEROS	14.00		230.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
61.00	57.82				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
				1.00	0.00 / 0.16

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Reed TKF76-T10 8x12,2x13 Jets (1.143 TFA) 1.14 (8x12, 2x13)	A313828	12.250		6 5/8 REG				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	BPB5962-0011	9.680		6 5/8 REG	6 5/8 REG			226.00	36.24	37.74
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	45.27
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	49.35
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	77.90
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	86.27
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	94.32
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	99.95
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	281.82
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	284.52
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	741.36
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	744.87
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1693.94

Additional Comments

Reason to POOH: ROP ? Change Bit Surface findings: String Stabs were found to be 1/8?? under Gauge, Motor Drained and Bit was 2-8-NR-G-X-1-RG-PR Run description: Well bore drilled F/ 10179t- T/ 10352 ft, the decision was made to POOH to change bit Type of Fluid: Synthetic OBM Temp In: N/A 194?F Temp Out: N/A 240? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 4.9, Circ Hours 7.3

12.25 Intermediate - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	10
Lead DD	Kolton Tobin	**Company Man**	Jon Rohman
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/12/2025 07:15	**SN**	BPB5962-0011	**WOB Rotate (klbs)**	60.00
Date Out	05/13/2025 12:30	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	10352.00	**Make**		**RPM Max**	80
Depth Out(Usft)	10930.00	**Model**		**RPM Avg**	30.00
Inc In	3.12	**Re-run**	NO	**Flow Rate (gpm)**	800.00
Inc Out	2.44	**Direct Bill**	NO	**Off Btm Press (psi)**	5200.00
Azi In	228.72	**Lobes**	7/8	**On Btm Press (psi)**	5600.00
Azi Out	230.10	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	578.00	**Bend Angle**	1.15	**Tq On Btm (Kftlb)**	18.00
%Slide (Rtg)	0.00	**Bit to Bend (Usft)**	8.87	**Tq Off Btm (Kftlb)**	6.00
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	235 / 243 / 245
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	335.00
Slide Hours	0.00	**Stab to Bit (Usft)**	4.02	**ROT WT (klbs)**	325.00
%Rotary (Rtg)	100.00	**Kickpad OD (in)**	10.170	**SO WT (klbs)**	315.00
%Rotary (Hrs)	100.00	**Body OD (in)**	9.680	**Bit SN**	68293
Rotary Drilled (Usft)	578.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	15.13	**Length (Usft)**	36.24	**Bit Make**	Ulterra
Total Drlg Hrs	15.13	**Integral Float**	YES	**Bit Model**	RPS716
Total D&C Hrs	16.18	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	1.05	**#Stalls**		**Bit TFA**	0.91 (7x13)
BRT Hrs	29.25	**Stalls Pressure**		**Bit #**	10
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	38.19	**Stator Type**	Loose	**Bit Grade Out**	2-2-WT-S-X-I-CT-PR
Avg ROP (Usft/hr)	38.19	**Stator Fit**	0.007	**Drill Hrs**	15.13
		Pre-Run Dyno HP%		**Circ Hrs**	1.05
		Max DiffP (psi)	1550.00	**# Blades**	7
		Max Torque (Kftlb)	40641.00	**IADC Code**	10
		Flow Range (gpm)	600-1200	**K Revs**	103398.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
40	24	18	11	4	3	16 / 8	74.9 / 25.1	10.15	33000.00	TEROS	14.00		245.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
61.00	57.82				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 0.23

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra RPS716 0.91 (7x13)	68293	12.250		6 5/8 REG				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	BPB5962-0011	9.680		6 5/8 REG	6 5/8 REG			226.00	36.24	37.74
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	45.27
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	49.35
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	77.90
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	86.27
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	94.32
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	99.95
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	281.82
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	284.52
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	741.36
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	744.87
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1693.94

Additional Comments

Reason to POOH: ROP ? Change Bit Surface findings: String Stabs were found to be 1/8?? under Gauge, Motor Drained and Bit was fair condition with a few chipped and broken cutters, with most of the wear concentrated on the shoulders. Bit grade was 2-2-WT-S-X-I-CT-PR Run description: Well bore drilled F/ 10352t- T/ 10930 ft, the decision was made to POOH to change bit Type of Fluid: Synthetic OBM Temp In: N/A 194?F Temp Out: N/A 250? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 13.5, Circ Hours 17.4

12.25 Intermediate - Motor Performance Report

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	Section TD	**BHA #**	11
Lead DD	Kolton Tobin	**Company Man**	Jon Rohman
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/13/2025 12:30	**SN**	BPB5962-0011	**WOB Rotate (klbs)**	80.00
Date Out	05/14/2025 20:00	**Description**	9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	**WOB Slide (klbs)**	
Depth In(Usft)	10930.00	**Make**		**RPM Max**	80
Depth Out(Usft)	11150.00	**Model**		**RPM Avg**	45.00
Inc In	2.44	**Re-run**	NO	**Flow Rate (gpm)**	800.00
Inc Out	1.86	**Direct Bill**	NO	**Off Btm Press (psi)**	5150.00
Azi In	230.10	**Lobes**	7/8	**On Btm Press (psi)**	5450.00
Azi Out	232.48	**Stages**	4.8	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	220.00	**Bend Angle**	1.15	**Tq On Btm (Kftlb)**	18.00
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**	8.87	**Tq Off Btm (Kftlb)**	5.50
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	12.125	**Temperature (degF)**	248 / 248 / 248
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	338.00
Slide Hours	0.00	**Stab to Bit (Usft)**	4.02	**ROT WT (klbs)**	327.00
%Rotary (Ftg)	100.00	**Kickpad OD (in)**	10.170	**SO WT (klbs)**	327.00
%Rotary (Hrs)	100.00	**Body OD (in)**	9.680	**Bit SN**	68293
Rotary Drilled (Usft)	220.00	**Fishneck OD (in)**		**Bit Type**	PDC
Rotary Hours	5.53	**Length (Usft)**	36.24	**Bit Make**	Ulterra
Total Drlg Hrs	5.53	**Integral Float**	YES	**Bit Model**	U813S
Total D&C Hrs	13.12	**Rev per Gal:**	0.105	**Bit OD (in)**	12.250
Off Btm Circ Hrs	7.58	**#Stalls**		**Bit TFA**	0.94 (3x13, 5x12)
BRT Hrs	31.50	**Stalls Pressure**		**Bit #**	11
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	39.76	**Stator Type**	Loose	**Bit Grade Out**	1-3-CT-A-X-I-NO-TD
Avg ROP (Usft/hr)	39.76	**Stator Fit**	0.007	**Drill Hrs**	5.53
		Pre-Run Dyno HP%		**Circ Hrs**	7.58
		Max DiffP (psi)	1550.00	**# Blades**	8
		Max Torque (Kftlb)	40641.00	**IADC Code**	11
		Flow Range (gpm)	600-1200	**K Revs**	42828.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
42	26	19	12	4	3	16 / 10	76.4/25.4	10.10	35000.00	TEROS	12.10		248.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
61.00	57.82				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 0.67

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
12.25 Ulterra U813S 0.94 (3x13, 5x12)	68293	12.250		6 5/8 REG				200.00	1.50	1.50
9 5/8 Bico 7/8 4.8 1.15deg Adj 12.1.25 NBS	BPB5962-0011	9.680		6 5/8 REG	6 5/8 REG			226.00	36.24	37.74
12.125 NM Blade Stabilizer	DR51628	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	7.53	45.27
8 UBHO	AUB 819	8.060	2.875	6 5/8 REG	6 5/8 REG			142.00	4.08	49.35
8 NMDC	AMDC 8033	7.960	3.750	6 5/8 REG	6 5/8 REG			142.00	28.55	77.90
8 Gap Sub (QTM)	MESH800-2715	8.000	3.750	6 5/8 REG	6 5/8 REG			142.00	8.37	86.27
12.125 NM Blade Stabilizer	DR56897	8.310	3.500	6 5/8 REG	6 5/8 REG			146.00	8.05	94.32
8 Filter Sub	AFS8003	8.000	2.875	6 5/8 REG	6 5/8 REG			142.00	5.63	99.95
8" DC (2 Stands)	Rig	8.000	2.875	6 5/8 REG	6 5/8 REG			150.00	181.87	281.82
XO 4 1/2 IF B x 6 5/8 Reg P	AX8159	6.750	2.875	4 1/2 IF	6 5/8 REG			130.00	2.70	284.52
6.5" DC (5 Stands)	Rig	6.500	2.375	4 1/2 IF	4 1/2 IF			97.00	456.84	741.36
XO Delta527 B x 4 1/2 IF P	AX6313	6.630	2.750	Delta527	4 1/2 IF			95.00	3.51	744.87
5" HWDP (10 Stands)	Rig	5.000	3.000	Delta 527	Delta527			49.30	949.07	1693.94

Additional Comments

Reason to POOH: Intermediate TD, Logging and Casing Operations Surface findings: String Stabs were found to be 1/8?? under Gauge, Motor Drained and Bit was fair condition with a few chipped and broken cutters, with most of the wear concentrated on the shoulders. Bit grade was 1-3-CT-S-X-I-CT-TD Run description: Well bore drilled F/ 10930 ft - T/ 11150 ft, Section TD Type of Fluid: Synthetic OBM Temp In: N/A 248?F Temp Out: N/A 248? F Ream In footge (ft): 0ft Ream In total Time (Hrs): 0 hrs Additional Comments: Pason Bit Hrs 5.4, Circ Hours 13.2

DV Drill Out - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES ™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH		**BHA #**	12
Lead DD	Kenneth Looper	**Company Man**	Jon Rohman
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	05/17/2025 22:30	**SN**		**WOB Rotate (klbs)**	0.00
Date Out	05/18/2025 24:00	**Description**		**WOB Slide (klbs)**	
Depth In(Usft)	11150.00	**Make**		**RPM Max**	
Depth Out(Usft)	11150.00	**Model**		**RPM Avg**	0.00
Inc In	1.86	**Re-run**		**Flow Rate (gpm)**	0.00
Inc Out	1.86	**Direct Bill**		**Off Btm Press (psi)**	0.00
Azi In	232.48	**Lobes**		**On Btm Press (psi)**	0.00
Azi Out	232.48	**Stages**		**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	0.00	**Bend Angle**		**Tq On Btm (Kftlb)**	0.00
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**		**Tq Off Btm (Kftlb)**	0.00
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Temperature (degF)**	0 / 0 / 0
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	
Slide Hours	0.00	**Stab to Bit (Usft)**		**ROT WT (klbs)**	
%Rotary (Ftg)	0.00	**Kickpad OD (in)**		**SO WT (klbs)**	
%Rotary (Hrs)	0.00	**Body OD (in)**		**Bit SN**	11474473
Rotary Drilled (Usft)	0.00	**Fishneck OD (in)**		**Bit Type**	Rock Bit
Rotary Hours	0.00	**Length (Usft)**		**Bit Make**	Halliburton
Total Drlg Hrs	0.00	**Integral Float**		**Bit Model**	QHC1R
Total D&C Hrs	1.00	**Rev per Gal:**		**Bit OD (in)**	8.500
Off Btm Circ Hrs	1.00	**#Stalls**		**Bit TFA**	0.92 (3x20)
BRT Hrs	25.50	**Stalls Pressure**		**Bit #**	14
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	New
Rot ROP (Usft/hr)	0.00	**Stator Type**		**Bit Grade Out**	
Avg ROP (Usft/hr)	0.00	**Stator Fit**	0.000	**Drill Hrs**	0.00
		Pre-Run Dyno HP%		**Circ Hrs**	1.00
		Max DiffP (psi)		**# Blades**	3
		Max Torque (Kftlb)		**IADC Code**	
		Flow Range (gpm)		**K Revs**	0.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
42	26	19	12	4	3	16 / 10	76.4/25.4	10.10	35000.00	TEROS	12.10		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8 1/2" Security QHC1R Rock Bit 3x20's 0.92 (3x20)	11474473	8.500		4 1/2 REG				100.00	0.85	0.85
6 1/2" Bit Sub D527B x 4 1/2" RegB	4655810-11	6.500	2.812	Delta 527	4 1/2 REG			92.00	4.01	4.86
5" HWDP 10 Stands		5.000	3.000	Delta 527	Delta 527			49.30	949.07	953.93

8.5 Production BHA- Halliburton - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	MWD Failure	**BHA #**	13
Lead DD	Will Drake	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	06/17/2025 02:00	**SN**	TDI-712-MLA07-094	**WOB Rotate (klbs)**	50.00
Date Out	06/18/2025 04:45	**Description**	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	**WOB Slide (klbs)**	
Depth In(Usft)	11160.00	**Make**	Scout	**RPM Max**	120
Depth Out(Usft)	11527.00	**Model**	7885	**RPM Avg**	40.00
Inc In	1.84	**Re-run**	NO	**Flow Rate (gpm)**	650.00
Inc Out	1.60	**Direct Bill**	NO	**Off Btm Press (psi)**	2750.00
Azi In	232.47	**Lobes**	7/8	**On Btm Press (psi)**	3070.00
Azi Out	264.03	**Stages**	8.5	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	367.00	**Bend Angle**	1.00	**Tq On Btm (Kftlb)**	11.60
%Slide (Rtg)	0.00	**Bit to Bend (Usft)**	4.30	**Tq Off Btm (Kftlb)**	6.50
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	8.250	**Temperature (degF)**	288 / 288 / 288
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**	0.150	**PU WT (klbs)**	360.00
Slide Hours	0.00	**Stab to Bit (Usft)**	10.00	**ROT WT (klbs)**	353.00
%Rotary (Rtg)	100.00	**Kickpad OD (in)**	7.550	**SO WT (klbs)**	345.00
%Rotary (Hrs)	100.00	**Body OD (in)**	6.940	**Bit SN**	78480
Rotary Drilled (Usft)	367.00	**Fishneck OD (in)**	6.980	**Bit Type**	PDC
Rotary Hours	2.88	**Length (Usft)**	39.02	**Bit Make**	Ulterra
Total Drlg Hrs	2.88	**Integral Float**	YES	**Bit Model**	SCR713
Total D&C Hrs	8.10	**Rev per Gal:**	0.240	**Bit OD (in)**	8.500
Off Btm Circ Hrs	5.22	**#Stalls**		**Bit TFA**	1.05 (7x14)
BRT Hrs	26.75	**Stalls Pressure**		**Bit #**	13
Slide ROP (Usft/hr)	0.00	**Stator Vendor**	Abaco	**Bit Grade In**	New
Rot ROP (Usft/hr)	127.28	**Stator Type**	Loose	**Bit Grade Out**	1-2-CT-A-X-I-NO-DTF
Avg ROP (Usft/hr)	127.28	**Stator Fit**	-0.004	**Drill Hrs**	2.88
		Pre-Run Dyno HP%		**Circ Hrs**	5.22
		Max DiffP (psi)	2000.00	**# Blades**	7
		Max Torque (Kftlb)	19540.00	**IADC Code**	
		Flow Range (gpm)	400-750	**K Revs**	33908.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.40	600.00	Terra Therm	0.50		288.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
72.00	62.18				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 1.60

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR713 (7x14 1.052 TFA) 1.05 (7x14)	78480	8.500	3.000	4 1/2 REG				150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	TDI-712-MLA07-094	6.940		4 1/2 IF	4 1/2 REG			150.00	39.02	40.02
8 1/4 NM 4 Blade Stabilizer	DR51007	6.760	2.750	4 1/2 IF	4 1/2 IF			90.00	3.07	43.09
6 1/2 NMPC	AMPC 6033	6.350	3.250	4 1/2 IF	4 1/2 IF			90.00	13.68	56.77
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	92000275	6.800	3.000	NC50	4 1/2 IF			90.00	29.89	86.66
Halliburton TM Collar	11112519	6.750	2.875	NC50	NC50			90.00	15.39	102.05
8 1/4 NM 4 Blade Stabilizer	DR53540	6.800	3.250	4 1/2 IF	NC50			90.00	5.93	107.98
6 1/2 NMDC	AMDC 6053	6.300	3.250	4 1/2 IF	4 1/2 IF			90.00	26.91	134.89
6 1/2 NMDC	AMDC 6042	6.340	3.250	4 1/2 IF	4 1/2 IF			90.00	28.28	163.17
6 1/2 Drill Guard DV Float	129-23	6.300	2.875	4 1/2 IF	4 1/2 IF			90.00	3.51	166.68
6 1/2 Filter Sub	AFS 6020M	6.450	2.875	4 1/2 IF	4 1/2 IF			90.00	5.37	172.05
6-1/2 Drill Collar (5 Stands)	RIG	6.500	2.375	4 1/2 IF	4 1/2 IF		2.810	90.61	456.39	628.44
6.5 Crossover Delta 544 B x 4 1/2 IF P	AX6299	6.550	2.875	D544	4 1/2 IF			90.00	3.56	632.00
5-1/2 HWDP (52.566lb/ft) (7 Stands)	RIG	5.500	3.250	D544	D544	7.250		60.87	657.87	1289.87

Additional Comments

Reason to POOH: Halliburton MWD Tool didn?t work from the start of drill out. So it was decide to Drill Blind from 11,160? to 11527?. Surface findings: String Stabs all in gauge Motor Drained Good and MBS was In Gauge. Bit Graded a 6-1-2-CT-A-X-I-NO-DTF Run description: Well bore drilled F/ 11,160? ft - T/ 11,527 ft, no sliding with this BHA Type of Fluid: TerraTherm Temp In: ??F Temp Out: ?? F Ream In footge (ft): 0?ft Ream In total Time (Hrs): Additional Comments: Pason Bit Hrs 2.8, Circ Hours 8.10

8.5 Production BHA- Quantum - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	14
Lead DD	Will Drake	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	06/18/2025 08:15	**SN**	TDI-712-MLA07-094	**WOB Rotate (klbs)**	54.37
Date Out	06/19/2025 21:45	**Description**	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	**WOB Slide (klbs)**	
Depth In(Usft)	11527.00	**Make**	Scout	**RPM Max**	120
Depth Out(Usft)	13284.00	**Model**	7885	**RPM Avg**	40.00
Inc In	1.60	**Re-run**	NO	**Flow Rate (gpm)**	650.00
Inc Out	6.34	**Direct Bill**	NO	**Off Btm Press (psi)**	2862.96
Azi In	264.03	**Lobes**	7/8	**On Btm Press (psi)**	3235.19
Azi Out	279.98	**Stages**	8.5	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	1757.00	**Bend Angle**	1.00	**Tq On Btm (Kftlb)**	14.62
%Slide (Rtg)	5.81	**Bit to Bend (Usft)**	4.30	**Tq Off Btm (Kftlb)**	9.20
%Slide (Hrs)	11.37	**Sleeve Stab OD (in)**	8.250	**Temperature (degF)**	178 / 186 / 230
Slide Drilled (Usft)	102.00	**Bearing Gap (in)**	0.150	**PU WT (klbs)**	393.70
Slide Hours	2.00	**Stab to Bit (Usft)**	10.00	**ROT WT (klbs)**	360.00
%Rotary (Rtg)	94.19	**Kickpad OD (in)**	7.550	**SO WT (klbs)**	351.48
%Rotary (Hrs)	88.63	**Body OD (in)**	6.940	**Bit SN**	78543
Rotary Drilled (Usft)	1655.00	**Fishneck OD (in)**	6.980	**Bit Type**	PDC
Rotary Hours	15.58	**Length (Usft)**	39.02	**Bit Make**	Ulterra
Total Drlg Hrs	17.58	**Integral Float**	YES	**Bit Model**	SCR713
Total D&C Hrs	21.82	**Rev per Gal:**	0.240	**Bit OD (in)**	8.500
Off Btm Circ Hrs	4.23	**#Stalls**		**Bit TFA**	0.99 (4x14, 3x13)
BRT Hrs	37.50	**Stalls Pressure**		**Bit #**	13
Slide ROP (Usft/hr)	51.00	**Stator Vendor**	Abaco	**Bit Grade In**	New
Rot ROP (Usft/hr)	106.20	**Stator Type**	Loose	**Bit Grade Out**	8-8-CT-A-X-I-RO-PR
Avg ROP (Usft/hr)	99.92	**Stator Fit**	-0.004	**Drill Hrs**	17.58
		Pre-Run Dyno HP%		**Circ Hrs**	4.23
		Max DiffP (psi)	2000.00	**# Blades**	7
		Max Torque (Kftlb)	19540.00	**IADC Code**	
		Flow Range (gpm)	400-750	**K Revs**	201784.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.40	800.00	Terra Therm	0.40		230.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
58.00	54.40				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 2.10

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR713 (4x14 3x13) 0.99 TFA 0.99 (4x14, 3x13)	78543	8.500	3.000	4 1/2 REG				150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS	TDI-712-MLA07-094	6.940		4 1/2 IF	4 1/2 REG			150.00	39.02	40.02
8 1/4 NM4 Blade Stabilizer	DR51007	6.760	2.750	4 1/2 IF	4 1/2 IF			90.00	3.07	43.09
6 3/4 UBHO	AUB 624	6.540	2.875	4 1/2 IF	4 1/2 IF			90.00	2.61	45.70
6 1/2 NMDC	AMDC 6042	6.340	3.250	NC50	4 1/2 IF			90.00	28.28	73.98
8 1/4 NM4 Blade Stabilizer	DR53540	6.800	3.250	4 1/2 IF	NC50			90.00	5.93	79.91
6 1/2 Drill Guard DV Float	129-23	6.300	2.875	4 1/2 IF	4 1/2 IF			90.00	3.51	83.42
6 1/2 Filter Sub	AFS 6020M	6.450	2.875	4 1/2 IF	4 1/2 IF			90.00	5.37	88.79
6-1/2 Drill Collar (5 Stands)	RIG	6.500	2.375	4 1/2 IF	4 1/2 IF		2.810	90.61	456.39	545.18
6.5 Crossover Delta 544 B x 4 1/2 IF P	AX 6299	6.550	2.875	D544	4 1/2 IF			90.00	3.56	548.74
5-1/2 HWDP (52.566lb/ft) (7 Stands)	RIG	5.500	3.250	D544	D544	7.250		60.87	657.87	1206.61

Additional Comments

Reason to POOH: BHA was POOH because the rop decrease and it was decide to come out. Surface findings: String top Stab was 1/8 under gauge, lower stab was ? under gauge Motor Drained Good and MBS was 1/8 under Gauge. Bit Graded a 8-8-CT-A-X-I-RO-PR Run description: Well bore drilled F/ 11527? to 13284? ft, Type of Fluid: TerraTherm Temp In: 240?F Temp Out:181? F Ream In footge (ft): 0?ft Ream In total Time (Hrs): Additional Comments: Pason Bit Hrs 17.4, Circ Hours 22.7

8.5 Production BHA- Quantum - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES ™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	Bit Trip	**BHA #**	15
Lead DD	Will Drake	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	06/19/2025 23:00	**SN**	TDI-712-MLA07-064	**WOB Rotate (klbs)**	59.72
Date Out	06/21/2025 10:30	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	**WOB Slide (klbs)**	
Depth In(Usft)	13284.00	**Make**		**RPM Max**	120
Depth Out(Usft)	14419.00	**Model**	CAM	**RPM Avg**	40.00
Inc In	6.34	**Re-run**	NO	**Flow Rate (gpm)**	657.50
Inc Out	6.62	**Direct Bill**	NO	**Off Btm Press (psi)**	2995.00
Azi In	279.98	**Lobes**	7/8	**On Btm Press (psi)**	3317.00
Azi Out	274.85	**Stages**	8.5	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	1135.00	**Bend Angle**	0.50	**Tq On Btm (Kftlb)**	15.31
%Slide (Rtg)	7.67	**Bit to Bend (Usft)**	4.80	**Tq Off Btm (Kftlb)**	9.50
%Slide (Hrs)	19.93	**Sleeve Stab OD (in)**	8.250	**Temperature (degF)**	204 / 211 / 240
Slide Drilled (Usft)	87.00	**Bearing Gap (in)**		**PU WT (klbs)**	417.50
Slide Hours	2.00	**Stab to Bit (Usft)**	10.00	**ROT WT (klbs)**	400.50
%Rotary (Rtg)	92.33	**Kickpad OD (in)**	7.500	**SO WT (klbs)**	385.25
%Rotary (Hrs)	80.07	**Body OD (in)**	6.940	**Bit SN**	78643
Rotary Drilled (Usft)	1048.00	**Fishneck OD (in)**	6.940	**Bit Type**	PDC
Rotary Hours	8.03	**Length (Usft)**	38.99	**Bit Make**	Ulterra
Total Drlg Hrs	10.03	**Integral Float**	YES	**Bit Model**	SCR613
Total D&C Hrs	15.75	**Rev per Gal:**	0.240	**Bit OD (in)**	8.500
Off Btm Circ Hrs	5.72	**#Stalls**		**Bit TFA**	1.03 (6x15)
BRT Hrs	35.50	**Stalls Pressure**		**Bit #**	15
Slide ROP (Usft/hr)	43.50	**Stator Vendor**	Abaco	**Bit Grade In**	New
Rot ROP (Usft/hr)	130.46	**Stator Type**	Loose	**Bit Grade Out**	3-8-RO-N-X-I-BT-PR
Avg ROP (Usft/hr)	113.12	**Stator Fit**	-0.023	**Drill Hrs**	10.03
		Pre-Run Dyno HP%		**Circ Hrs**	5.72
		Max DiffP (psi)	2000.00	**# Blades**	6
		Max Torque (Kftlb)	19540.00	**IADC Code**	
		Flow Range (gpm)	400-750	**K Revs**	114244.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.40	800.00	Terra Therm	0.40		240.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
58.00	54.37				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 1.59

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR613 (6x15) 1.035 TFA 1.03 (6x15)	78643	8.500	3.000	4 1/2 REG				150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	TDI-712-MLA07-064	6.940		4 1/2 IF	4 1/2 REG			150.00	38.99	39.99
8 1/4 NM4 Blade Stabilizer	DR51007	6.760	2.750	4 1/2 IF	4 1/2 IF			90.00	3.07	43.06
6 3/4 UBHO	AUB 624	6.540	2.875	4 1/2 IF	4 1/2 IF			90.00	2.61	45.67
6 1/2 NMDC	AMDC 6042	6.340	3.250	NC50	4 1/2 IF			90.00	28.28	73.95
8 1/4 NM4 Blade Stabilizer	DR53540	6.800	3.250	4 1/2 IF	NC50			90.00	5.93	79.88
6 1/2 Drill Guard DV Float	129-23	6.300	2.875	4 1/2 IF	4 1/2 IF			90.00	3.51	83.39
6 1/2 Filter Sub	AFS 6020M	6.450	2.875	4 1/2 IF	4 1/2 IF			90.00	5.37	88.76
6-1/2 Drill Collar (5 Stands)	RIG	6.500	2.375	4 1/2 IF	4 1/2 IF		2.810	90.61	456.39	545.15
6.5 Crossover Delta 544 B x 4 1/2 IF P	AX6299	6.550	2.875	D544	4 1/2 IF			90.00	3.56	548.71
5-1/2 HWDP (52.566lb/ft) (7 Stands)	RIG	5.500	3.250	D544	D544	7.250		60.87	657.87	1206.58

Additional Comments

Reason to POOH: BHA was POOH because the ROP decrease and it was decided to come out. Surface findings: String top Stab was ?? under gauge, lower stab was ?? under gauge Motor Drained Good and MBS was 1/8 under Gauge. Bit Graded a 3-8-RO-N-X-I-BT-PR Run description: Well bore drilled F/ 13284? to 114419? ft, Type of Fluid: TerraTherm Temp In: 264?F Temp Out:210? F Ream In footge (ft): 0?ft Ream In total Time (Hrs): Additional Comments: Pason Bit Hrs 9.7, Circ Hours 17.1

8.5 Production BHA- Quantum - Motor Performance Report

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	ROP	**BHA #**	16
Lead DD	Will Drake	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	06/21/2025 11:45	**SN**	TDI-712-MLA07-064	**WOB Rotate (klbs)**	55.85
Date Out	06/23/2025 16:51	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	**WOB Slide (klbs)**	
Depth In(Usft)	14419.00	**Make**	Scout	**RPM Max**	120
Depth Out(Usft)	16074.00	**Model**	CAM	**RPM Avg**	40.00
Inc In	6.62	**Re-run**	NO	**Flow Rate (gpm)**	650.00
Inc Out	6.87	**Direct Bill**	NO	**Off Btm Press (psi)**	2700.59
Azi In	274.85	**Lobes**	7/8	**On Btm Press (psi)**	3069.26
Azi Out	257.81	**Stages**	8.5	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	1655.00	**Bend Angle**	0.50	**Tq On Btm (Kftlb)**	18.59
%Slide (Rtg)	18.31	**Bit to Bend (Usft)**	4.80	**Tq Off Btm (Kftlb)**	12.20
%Slide (Hrs)	29.20	**Sleeve Stab OD (in)**	8.250	**Temperature (degF)**	136 / 182 / 266
Slide Drilled (Usft)	303.00	**Bearing Gap (in)**		**PU WT (klbs)**	487.44
Slide Hours	6.40	**Stab to Bit (Usft)**	10.00	**ROT WT (klbs)**	438.88
%Rotary (Rtg)	81.69	**Kickpad OD (in)**	7.500	**SO WT (klbs)**	408.35
%Rotary (Hrs)	70.80	**Body OD (in)**	6.940	**Bit SN**	SP2141
Rotary Drilled (Usft)	1352.00	**Fishneck OD (in)**	6.940	**Bit Type**	PDC
Rotary Hours	15.52	**Length (Usft)**	38.99	**Bit Make**	Smith
Total Drlg Hrs	21.92	**Integral Float**	YES	**Bit Model**	BTZ713
Total D&C Hrs	29.40	**Rev per Gal:**	0.240	**Bit OD (in)**	8.500
Off Btm Circ Hrs	7.48	**#Stalls**		**Bit TFA**	1.03 (1x13, 6x14)
BRT Hrs	53.10	**Stalls Pressure**		**Bit #**	16
Slide ROP (Usft/hr)	47.34	**Stator Vendor**	Abaco	**Bit Grade In**	New
Rot ROP (Usft/hr)	87.13	**Stator Type**	Loose	**Bit Grade Out**	8-8-RO-S-X-I-CR-PR
Avg ROP (Usft/hr)	75.51	**Stator Fit**	-0.023	**Drill Hrs**	21.92
		Pre-Run Dyno HP%		**Circ Hrs**	7.48
		Max DiffP (psi)	2000.00	**# Blades**	7
		Max Torque (Kftlb)	19540.00	**IADC Code**	
		Flow Range (gpm)	400-750	**K Revs**	240824.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.45	800.00	Terra Therm	0.80		266.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
64.00	60.30				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 1.51

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Smith BTZ713 (1x13 6x14) 1.03 TFA 1.03 (1x13, 6x14)	SP2141	8.500	3.000	4 1/2 REG				150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS	TDI-712-MLA07-064	6.940		4 1/2 IF	4 1/2 REG			150.00	38.99	39.99
Black Box Sensor Sub	BBHF-7012	6.380	3.500	4 1/2 IF	4 1/2 IF				5.93	45.92
8 1/4 NM 4 Blade Stabilizer	DR51007	6.760	2.750	4 1/2 IF	4 1/2 IF			90.00	3.07	48.99
6 3/4 UBHO	AUB 624	6.540	2.875	4 1/2 IF	4 1/2 IF			90.00	2.61	51.60
6 1/2 NMDC	AMDC 6042	6.340	3.250	NC50	4 1/2 IF			90.00	28.28	79.88
8 1/4 NM 4 Blade Stabilizer	DR53540	6.800	3.250	4 1/2 IF	NC50			90.00	5.93	85.81
6 1/2 Drill Guard DV Float	129-23	6.300	2.875	4 1/2 IF	4 1/2 IF			90.00	3.51	89.32
6 1/2 Filter Sub	AFS 6020M	6.450	2.875	4 1/2 IF	4 1/2 IF			90.00	5.37	94.69
6-1/2 Drill Collar (5 Stands)	RIG	6.500	2.375	4 1/2 IF	4 1/2 IF		2.810	90.61	456.39	551.08
6.5 Crossover Delta 544 B x 4 1/2 IF P	AX6299	6.550	2.875	D544	4 1/2 IF			90.00	3.56	554.64
5-1/2 HWDP (52.566lb/ft) (7 Stands)	RIG	5.500	3.250	D544	D544	7.250		60.87	657.87	1212.51

Additional Comments

Reason to POOH: Pressure up while on Bottom, Pressure up while attempting to reengage bottom Surface findings: String top Stab was 5/8? under gauge, lower stab was 7/8? under gauge Motor Drained Good and MBS was 1/8 under Gauge. Bit Graded a 8-8-RO-S-X-I-CR-PR Run description: Well bore drilled F/ 14419? to 16074? ft, Type of Fluid: TerraTherm Temp In: 303?F Temp Out: 135? F Ream In footge (ft): 0?ft Ream In total Time (Hrs): Additional Comments: Pason Bit Hrs 21.1, Circ Hours 32.5

8.5 Production BHA- Halliburton - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH		**BHA #**	17
Lead DD	Julian Parras	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	06/23/2025 19:45	**SN**	TDI-712-MLA07-098	**WOB Rotate (klbs)**	53.75
Date Out	06/26/2025 13:00	**Description**	7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)	**WOB Slide (klbs)**	
Depth In(Usft)	16074.00	**Make**		**RPM Max**	100
Depth Out(Usft)	17314.00	**Model**	Cam	**RPM Avg**	37.35
Inc In	6.87	**Re-run**	NO	**Flow Rate (gpm)**	663.10
Inc Out	5.00	**Direct Bill**	NO	**Off Btm Press (psi)**	3057.14
Azi In	257.81	**Lobes**	7/8	**On Btm Press (psi)**	3380.00
Azi Out	321.10	**Stages**	8.5	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	1240.00	**Bend Angle**	1.00	**Tq On Btm (Kftlb)**	25.20
%Slide (Ftg)	5.89	**Bit to Bend (Usft)**	5.50	**Tq Off Btm (Kftlb)**	20.00
%Slide (Hrs)	11.59	**Sleeve Stab OD (in)**	8.250	**Temperature (degF)**	134 / 155 / 172
Slide Drilled (Usft)	73.00	**Bearing Gap (in)**		**PU WT (klbs)**	526.67
Slide Hours	1.80	**Stab to Bit (Usft)**	10.25	**ROT WT (klbs)**	478.00
%Rotary (Ftg)	94.11	**Kickpad OD (in)**	7.570	**SO WT (klbs)**	446.67
%Rotary (Hrs)	88.41	**Body OD (in)**	6.940	**Bit SN**	SP2144
Rotary Drilled (Usft)	1167.00	**Fishneck OD (in)**	6.940	**Bit Type**	PDC
Rotary Hours	13.73	**Length (Usft)**	39.04	**Bit Make**	Smith
Total Drlg Hrs	15.53	**Integral Float**	YES	**Bit Model**	BTZ713
Total D&C Hrs	36.97	**Rev per Gal:**	0.240	**Bit OD (in)**	8.500
Off Btm Circ Hrs	21.43	**#Stalls**		**Bit TFA**	1.05 (7x14)
BRT Hrs	65.25	**Stalls Pressure**		**Bit #**	17
Slide ROP (Usft/hr)	40.56	**Stator Vendor**	Abaco	**Bit Grade In**	New
Rot ROP (Usft/hr)	84.98	**Stator Type**	Loose	**Bit Grade Out**	2-8-CT-A-X-I-RO-BHA
Avg ROP (Usft/hr)	79.83	**Stator Fit**	-0.025	**Drill Hrs**	15.53
		Pre-Run Dyno HP%		**Circ Hrs**	21.43
		Max DiffP (psi)	2000.00	**# Blades**	7
		Max Torque (Kftlb)	19540.00	**IADC Code**	
		Flow Range (gpm)	400-750	**K Revs**	179350.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.40	500.00	Terra Therm	0.50		172.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
80.00	70.71				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 1.68

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Smith BTZ713 (7x14) 1.05 TFA) 1.05 (7x14)	SP2144	8.500	3.000	4 1/2 REG				150.00	1.00	1.00
7 Scout 7/8 8.5 1.0 Cam W/ 8.25 MBS (-0.025 Fit)	TDI-712-MLA07-098	6.940		4 1/2 IF	4 1/2 REG			150.00	39.04	40.04
NOV Black Box Sensor Sub	BBHF-7012	6.380	3.500	4 1/2 IF	4 1/2 IF				5.93	45.97
8.5 Roller Reamer	GU4346	6.670	2.250	4 1/2 IF	4 1/2 IF			90.00	5.65	51.62
6 1/2 NMPC	AMPC 6033	6.350	3.250	4 1/2 IF	4 1/2 IF			90.00	13.68	65.30
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	92000275	6.800	3.000	NC50	4 1/2 IF			90.00	29.89	95.19
Halliburton TM Collar	11112519	6.750	2.875	NC50	NC50			90.00	15.39	110.58
6 1/2 NMDC	AMDC 6053	6.300	3.250	4 1/2 IF	NC50			90.00	26.91	137.49
6 1/2 NMDC	AMDC 6042	6.340	3.250	4 1/2 IF	4 1/2 IF			90.00	28.28	165.77
8.5 Roller Reamer	GU4342	6.670	2.250	4 1/2 IF	4 1/2 IF			90.00	5.93	171.70
6 1/2 Drill Guard DV Float	129-23	6.300	2.875	4 1/2 IF	4 1/2 IF			90.00	3.51	175.21
6 1/2 Filter Sub	AFS 6020M	6.450	2.875	4 1/2 IF	4 1/2 IF			90.00	5.37	180.58
6-1/2 Drill Collar (5 Stands)	RIG	6.500	2.375	4 1/2 IF	4 1/2 IF		2.810	90.61	456.39	636.97
6.5 Crossover Delta 544 B x 4 1/2 IF P	AX6299	6.550	2.875	D544	4 1/2 IF			90.00	3.56	640.53
5-1/2 HWDP (52.566lb/ft) (7 Stands)	Rig	5.500	3.250	D544	D544			52.56	657.87	1298.40

Additional Comments

Reason to POOH: Expected that we hit a cavern 17267?. We started to have losses and keep on drilling. Around 48? into cavern roller reamer reached entrance and torqued out drillstring. It took while to work pipe free. So it was decided to heal Loss circulation zones and change out BHA without roller reamers. Surface findings: String top reamer was in gauge, lower reamer was in gauge Motor Drained Good and MBS was 1/8 under Gauge. Bit Graded a 2-8-CT-A-X-I-RO-BHA Run description: Well bore drilled F/ 16074? to 17314? ft, Type of Fluid: TerraTherm Temp In: 143?F Temp Out: 120? F Ream In footge (ft): 0?ft Ream In total Time (Hrs): Additional Comments: Pason Bit Hrs 15.1, Circ Hours 46.7

8.5 Production BHA- Halliburton - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH	Hole problems	**BHA #**	18
Lead DD	Will Drake	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	06/26/2025 16:45	**SN**	TDI-712-MLA07-092	**WOB Rotate (klbs)**	50.00
Date Out	06/28/2025 15:45	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (0.0 Fit)	**WOB Slide (klbs)**	
Depth In(Usft)	17314.00	**Make**		**RPM Max**	100
Depth Out(Usft)	17434.00	**Model**	Cam	**RPM Avg**	40.00
Inc In	5.00	**Re-run**	NO	**Flow Rate (gpm)**	650.00
Inc Out	5.20	**Direct Bill**	NO	**Off Btm Press (psi)**	2450.00
Azi In	321.10	**Lobes**	7/8	**On Btm Press (psi)**	3160.00
Azi Out	325.00	**Stages**	8.5	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	120.00	**Bend Angle**	1.00	**Tq On Btm (Kftlb)**	25.00
%Slide (Rtg)	0.00	**Bit to Bend (Usft)**	5.40	**Tq Off Btm (Kftlb)**	21.00
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	8.250	**Temperature (degF)**	206 / 206 / 206
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**	1.680	**PU WT (klbs)**	540.00
Slide Hours	0.00	**Stab to Bit (Usft)**	2.00	**ROT WT (klbs)**	510.00
%Rotary (Rtg)	100.00	**Kickpad OD (in)**	7.550	**SO WT (klbs)**	475.00
%Rotary (Hrs)	100.00	**Body OD (in)**	7.010	**Bit SN**	78124
Rotary Drilled (Usft)	120.00	**Fishneck OD (in)**	7.010	**Bit Type**	PDC
Rotary Hours	0.85	**Length (Usft)**	39.10	**Bit Make**	Ulterra
Total Drlg Hrs	0.85	**Integral Float**	YES	**Bit Model**	SCR813
Total D&C Hrs	24.27	**Rev per Gal:**	0.240	**Bit OD (in)**	8.500
Off Btm Circ Hrs	23.42	**#Stalls**		**Bit TFA**	1.06 (4x11, 4x15)
BRT Hrs	47.00	**Stalls Pressure**		**Bit #**	18
Slide ROP (Usft/hr)	0.00	**Stator Vendor**	Abaco	**Bit Grade In**	New
Rot ROP (Usft/hr)	141.18	**Stator Type**	Loose	**Bit Grade Out**	2-8-CT-S-X-I-RO-HP
Avg ROP (Usft/hr)	141.18	**Stator Fit**	-0.013	**Drill Hrs**	0.85
		Pre-Run Dyno HP%		**Circ Hrs**	23.42
		Max DiffP (psi)	2000.00	**# Blades**	8
		Max Torque (Kftlb)	19540.00	**IADC Code**	
		Flow Range (gpm)	400-750	**K Revs**	9996.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.40	500.00	Terra Therm	0.50		206.00

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
78.00	68.38				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**
					0.00 / 0.52

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR813 1.06 (4x11, 4x15)	78124	8.500	3.000	4 1/2 REG				150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (0.0 Fit)	TDI-712-MLA07-092	7.010		4 1/2 IF	4 1/2 REG			150.00	39.10	40.10
NOV Black Box Sensor Sub	BBHF-7012	6.380	3.500	4 1/2 IF	4 1/2 IF				5.93	46.03
8 1/4 NM 4 Blade Stabilizer	DR31415	6.760	2.750	4 1/2 IF	4 1/2 IF			90.00	3.32	49.35
6 1/2 NMPC	AMPC 6033	6.350	3.250	4 1/2 IF	4 1/2 IF			90.00	13.68	63.03
Halliburton BaseStar Assembly W/ 8.375 Stabilizer	92000275	6.800	3.000	NC50	4 1/2 IF			90.00	29.89	92.92
Halliburton TM Collar	11112519	6.750	2.875	4 1/2 IF	NC50			90.00	15.39	108.31
8 1/4 NM 4 Blade Stabilizer	DR51676	6.780	3.250	4 1/2 IF	4 1/2 IF				5.84	114.15
6 1/2 NMDC	AMDC 6053	6.300	3.250	4 1/2 IF	4 1/2 IF			90.00	26.91	141.06
6 1/2 NMDC	AMDC 6042	6.340	3.250	4 1/2 IF	4 1/2 IF			90.00	28.28	169.34
6 1/2 Drill Guard DV Float	129-23	6.300	2.875	4 1/2 IF	4 1/2 IF			90.00	3.51	172.85
6 1/2 Filter Sub	AFS 6020M	6.450	2.875	4 1/2 IF	4 1/2 IF			90.00	5.37	178.22
6 1/2 Bico PBL Sub	650SBP567	6.500	2.750	4 1/2 IF	4 1/2 IF				11.45	189.67
6-1/2 Drill Collar (3 Stands)	RIG	6.500	2.375	4 1/2 IF	4 1/2 IF		2.810	90.61	274.33	464.00
6.5 Crossover Delta 544 B x 4 1/2 IF P	AX6299	6.550	2.875	D544	4 1/2 IF			90.00	3.56	467.56
5-1/2 HWDP (52.566lb/ft) (7 Stands)	Rig	5.500	3.250	D544	D544			52.56	657.87	1125.43

Additional Comments

Reason to POOH: drill until we were at a point for ranging shots, after ranging shots tried to move pipe and notice we were stuck. Got unstuck then it was decide to squeeze lcm into loss zones. Unsuccessful in healing. It was decide to come out and do a clean up run then run back in and cement loss zones. Surface findings: String top Stab was in gauge, lower rstab was in 1/8 ungauge Motor Drained Good and MBS was 1/8 under Gauge. Bit Graded a 2-8-CT-S-X-I-RO-HP Run description: Well bore drilled F/ 17314? to 17433? ft, Type of Fluid: TerraTherm Temp In: 226?F Temp Out: 138? F Ream out footge (ft):2938?ft Ream out total Time (Hrs):3.25 Additional Comments: Pason Bit Hrs 0.9, Circ Hours 24.4

Oxy Rock Bit run - Motor Performance Report

SCOUT DRILLING TECHNOLOGIES™
A Business Unit of Turbo Drill Industries, Inc.

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH		**BHA #**	19
Lead DD	Will Drake	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	06/29/2025 00:00	**SN**		**WOB Rotate (klbs)**	0.00
Date Out	06/30/2025 23:00	**Description**		**WOB Slide (klbs)**	
Depth In(Usft)	17434.00	**Make**		**RPM Max**	
Depth Out(Usft)	17434.00	**Model**		**RPM Avg**	0.00
Inc In	5.20	**Re-run**		**Flow Rate (gpm)**	0.00
Inc Out	5.20	**Direct Bill**		**Off Btm Press (psi)**	0.00
Azi In	325.00	**Lobes**		**On Btm Press (psi)**	0.00
Azi Out	325.00	**Stages**		**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	0.00	**Bend Angle**		**Tq On Btm (Kftlb)**	0.00
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**		**Tq Off Btm (Kftlb)**	0.00
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Temperature (degF)**	0 / 0 / 0
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**PU WT (klbs)**	
Slide Hours	0.00	**Stab to Bit (Usft)**		**ROT WT (klbs)**	
%Rotary (Ftg)	0.00	**Kickpad OD (in)**		**SO WT (klbs)**	
%Rotary (Hrs)	0.00	**Body OD (in)**		**Bit SN**	M16371
Rotary Drilled (Usft)	0.00	**Fishneck OD (in)**		**Bit Type**	
Rotary Hours	0.00	**Length (Usft)**		**Bit Make**	
Total Drlg Hrs	0.00	**Integral Float**		**Bit Model**	
Total D&C Hrs	8.83	**Rev per Gal:**		**Bit OD (in)**	8.500
Off Btm Circ Hrs	8.83	**#Stalls**		**Bit TFA**	0.00
BRT Hrs	47.00	**Stalls Pressure**		**Bit #**	
Slide ROP (Usft/hr)	0.00	**Stator Vendor**		**Bit Grade In**	
Rot ROP (Usft/hr)	0.00	**Stator Type**		**Bit Grade Out**	
Avg ROP (Usft/hr)	0.00	**Stator Fit**	0.000	**Drill Hrs**	0.00
		Pre-Run Dyno HP%		**Circ Hrs**	8.83
		Max DiffP (psi)		**# Blades**	0
		Max Torque (Kftlb)		**IADC Code**	
		Flow Range (gpm)		**K Revs**	0.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.40	500.00	Terra Therm	0.50		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
Rock Bit	M16371	8.500		4 1/2 Reg				90.00	1.00	1.00
Bit Sub	QTI63693	6.650	3.500	D544	4 1/2 Reg			90.00	4.04	5.04
7 stands of HWDP	Rig	5.500	3.250	Delta 544	D544			52.57	657.87	662.91

8.5 Production BHA- Quantum - Motor Performance Report

Job #	20467	**Operator**	Occidental Petroleum_Rockies
API#	512352916	**Field**	WELD-NAD83-UTMFT13N - Occidental Petroleum_Rockies
Latitude	40° 15' 9.185" N	**Well**	Glade East
Longitude	104° 44' 20.280" W	**State**	Colorado
Rig	580	**County**	Weld
Reason POOH		**BHA #**	20
Lead DD	Will Drake	**Company Man**	Brett Curtis
DD Coordinator	Tyrel Stout	**District**	Rockies

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	07/01/2025 01:15	**SN**	TDI-712-MLA07-068	**WOB Rotate (klbs)**	0.00
Date Out	07/02/2025 05:00	**Description**	7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (-0.024 Fit)	**WOB Slide (klbs)**	
Depth In(Usft)	17434.00	**Make**		**RPM Max**	120
Depth Out(Usft)	17434.00	**Model**	Cam	**RPM Avg**	0.00
Inc In	5.20	**Re-run**	NO	**Flow Rate (gpm)**	0.00
Inc Out	5.20	**Direct Bill**	NO	**Off Btm Press (psi)**	0.00
Azi In	325.00	**Lobes**	7/8	**On Btm Press (psi)**	0.00
Azi Out	325.00	**Stages**	8.5	**Avg Diff Press (psi)**	0.00
Total Drilled (Usft)	0.00	**Bend Angle**	0.50	**Tq On Btm (Kftlb)**	0.00
%Slide (Rtg)	0.00	**Bit to Bend (Usft)**	4.80	**Tq Off Btm (Kftlb)**	0.00
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	8.250	**Temperature (degF)**	0 / 0 / 0
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**	1.680	**PU WT (klbs)**	
Slide Hours	0.00	**Stab to Bit (Usft)**	10.38	**ROT WT (klbs)**	
%Rotary (Rtg)	0.00	**Kickpad OD (in)**	7.520	**SO WT (klbs)**	
%Rotary (Hrs)	100.00	**Body OD (in)**	6.940	**Bit SN**	78454
Rotary Drilled (Usft)	0.00	**Fishneck OD (in)**	7.010	**Bit Type**	PDC
Rotary Hours	5.00	**Length (Usft)**	39.04	**Bit Make**	Ulterra
Total Drlg Hrs	5.00	**Integral Float**	YES	**Bit Model**	SCR813
Total D&C Hrs	11.02	**Rev per Gal:**	0.240	**Bit OD (in)**	8.500
Off Btm Circ Hrs	6.02	**#Stalls**		**Bit TFA**	1.06 (4x11, 4x15)
BRT Hrs	27.75	**Stalls Pressure**		**Bit #**	20
Slide ROP (Usft/hr)	0.00	**Stator Vendor**	Abaco	**Bit Grade In**	New
Rot ROP (Usft/hr)	0.00	**Stator Type**	Loose	**Bit Grade Out**	
Avg ROP (Usft/hr)	0.00	**Stator Fit**	-0.024	**Drill Hrs**	5.00
		Pre-Run Dyno HP%		**Circ Hrs**	6.02
		Max DiffP (psi)	2000.00	**# Blades**	8
		Max Torque (Kftlb)	19540.00	**IADC Code**	
		Flow Range (gpm)	400-750	**K Revs**	0.00

Mud Data

600	300	200	100	6	3	PV / YP	Oil/Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/100	8.40	500.00	Terra Therm	0.50		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
58.00	54.00				
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (deg/100Usft)**	**Act/Max DLS (deg/100Usft)**

BHA Details

Description	SN	OD (in)	ID (in)	CNX TOP	CNX BTM	TJ OD (in)	TJ ID (in)	Weight (lb/ft)	Length (Usft)	Total Length (Usft)
8.5 Ulterra SCR813 1.06 (4x11, 4x15)	78454	8.500	3.000	4 1/2 REG				150.00	1.00	1.00
7 Scout 7/8 8.5 0.50 Cam W/ 8.25 MBS (-0.024 Fit)	TDI-712-MLA07-068	6.940		4 1/2 IF	4 1/2 REG			150.00	39.04	40.04
8 1/4 NM 4 Blade Stabilizer	DR31415	6.760	2.750	4 1/2 IF	4 1/2 IF			90.00	3.32	43.36
6 3/4 UBHO	AUB 606	6.540	2.875	4 1/2 IF	4 1/2 IF			90.00	2.03	45.39
6 1/2 NMDC	AMDC 6053	6.300	3.250	4 1/2 IF	4 1/2 IF			90.00	26.91	72.30
8 1/4 NM 4 Blade Stabilizer	DR51676	6.780	3.250	4 1/2 IF	4 1/2 IF			90.00	5.84	78.14
6 1/2 Drill Guard DV Float	129-23	6.300	2.875	4 1/2 IF	4 1/2 IF			90.00	3.51	81.65
6 1/2 Filter Sub	AFS 6020M	6.450	2.875	4 1/2 IF	4 1/2 IF			90.00	5.37	87.02
6 1/2 Bico PBL Sub	650SBP567	6.500	2.750	4 1/2 IF	4 1/2 IF			90.00	11.45	98.47
6-1/2 Drill Collar (3 Stands)	RIG	6.500	2.375	4 1/2 IF	4 1/2 IF		2.810	90.61	274.33	372.80
6.5 Crossover Delta 544 B x 4 1/2 IF P	AX6299	6.550	2.875	D544	4 1/2 IF			90.00	3.56	376.36
5-1/2 HWDP (52.566lb/ft) (7 Stands)	Rig	5.500	3.250	D544	D544			52.56	657.87	1034.23

Innovative Drilling Solutions
Data-Driven Decision

SCOUT DRILLING TECHNOLOGIES

SLIDE SHEETS

Scout Drilling Technologies
1125 Beach Airport Road, Conroe, Texas 77301
Office: 936-756-3210
www.scoutdrilltech.com

17.5 Surface - Slide Sheet

17.5 Surface - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 1: 17.5 Surface	BHA #:	1	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	1168.00
Site	Glade 3N-66W-02 Pad	Survey Offset	76.00	BHA Type:	Motorized RSS	Units:	Us Feet	Declination:	7.59	Rotate :	1168.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	73.15	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data										Parameters								Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
04/08/2025	04:00	04:17	0.28	108.00	174.00	66.00	Rotate				153.00	0.56	26.27	153.00	0.67	0.33	-0.27	0.37	0.00	0.00	20.00	50.00	700.00	10.00/1.00	232.94	1015.00	670.00	345.00					
04/08/2025	05:33	05:45	0.20	174.00	229.00	55.00	Rotate														20.00	60.00	850.00	10.00/1.00	275.00	1304.00	1100.00	204.00					
04/08/2025	07:13	07:26	0.22	229.00	323.00	94.00	Rotate				247.00	0.39	282.48	247.00	1.15	0.22	-0.12	0.80	-0.00	0.00	20.00	60.00	850.00	10.00/1.00	433.85	1304.00	1100.00	204.00					
04/08/2025	08:20	08:35	0.25	323.00	422.00	99.00	Rotate				346.00	0.26	86.98	345.99	1.24	0.12	-0.01	0.65	-0.00	-0.00	35.00	60.00	850.00	10.00/1.00	396.00	1660.00	1350.00	310.00		100.00	95.00	90.00	
04/08/2025	08:49	09:05	0.27	422.00	517.00	95.00	Rotate				441.00	0.43	316.43	440.99	1.51	0.09	0.04	0.66	0.00	0.00	35.00	60.00	850.00	10.00/1.00	356.25	1660.00	1350.00	310.00		100.00	95.00	90.00	
04/08/2025	09:21	09:33	0.20	517.00	612.00	95.00	Rotate				536.00	0.35	236.66	535.99	1.60	-0.40	0.54	0.53	-0.00	0.00	35.00	60.00	850.00	10.00/1.00	475.00	1660.00	1350.00	310.00		100.00	95.00	90.00	
04/08/2025	09:42	09:54	0.20	612.00	706.00	94.00	Rotate				630.00	1.49	301.34	629.98	2.08	-1.69	1.86	1.47	0.00	0.00	35.00	80.00	1000.00	10.00/1.00	470.00	2500.00	2150.00	350.00		100.00	95.00	90.00	
04/08/2025	10:07	10:19	0.20	706.00	801.00	95.00	Rotate				725.00	0.92	260.86	724.96	2.60	-3.49	3.71	1.04	0.00	0.00	35.00	80.00	950.00	12.00/3.00	475.00	2450.00	2250.00	200.00		115.00	110.00	105.00	
04/08/2025	10:35	10:47	0.20	801.00	896.00	95.00	Rotate				820.00	1.14	272.86	819.95	2.53	-5.19	5.39	0.32	0.00	0.00	35.00	80.00	900.00	12.00/3.00	475.00	2350.00	2050.00	300.00		115.00	110.00	105.00	
04/08/2025	13:25	13:42	0.28	896.00	991.00	95.00	Rotate				915.00	1.04	257.89	914.93	2.40	-6.98	7.16	0.32	0.00	0.00	25.00	60.00	850.00	12.00/3.00	335.29	1950.00	1560.00	390.00		115.00	110.00	105.00	
04/08/2025	13:53	14:10	0.28	991.00	1086.00	95.00	Rotate				1010.00	0.91	252.04	1009.91	1.98	-8.54	8.68	0.17	0.00	0.00	25.00	60.00	850.00	12.00/3.00	335.29	1950.00	1560.00	390.00		115.00	110.00	105.00	
04/08/2025	14:19	14:34	0.25	1086.00	1181.00	95.00	Rotate				1105.00	1.15	271.02	1104.90	1.77	-10.21	10.32	0.44	0.00	0.00	25.00	80.00	850.00	12.00/3.00	380.00	2295.00	1675.00	620.00		115.00	110.00	105.00	
04/08/2025	14:45	15:07	0.37	1181.00	1276.00	95.00	Rotate				1200.00	1.64	258.95	1199.87	1.52	-12.50	12.58	0.60	-0.00	0.00	25.00	60.00	850.00	12.00/3.00	259.09	2295.00	1675.00	620.00		115.00	110.00	105.00	

17.5 Surface - Slide Sheet

17.5 Surface - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 2: 17.5 Surface	BHA #:	2	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	913.00
Site	Glade 3N-66W-02 Pad	Survey Offset	77.00	BHA Type:	Motorized RSS	Units:	Us Feet	Declination:	7.59	Rotate :	913.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	74.22	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data									Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
04/08/2025	23:25	24:00	0.58	1276.00	1365.00	89.00	Rotate				1289.00	1.35	247.17	1288.84	0.87	-14.71	14.73	0.47	-0.00	0.00	27.00	45.00	700.00	10.20/1.30	157.06	1650.00	1240.00	410.00		145.00	140.60	138.00	
04/09/2025	00:00	00:36	0.60	1365.00	1456.00	91.00	Rotate				1379.00	0.92	293.42	1378.82	0.75	-16.35	16.35	1.08	0.00	0.00	27.00	55.00	750.00	10.20/1.30	151.67	1750.00	1450.00	300.00		145.00	140.60	138.00	
04/09/2025	00:40	01:07	0.45	1456.00	1546.00	90.00	Rotate				1469.00	0.83	245.98	1468.82	0.77	-17.61	17.61	0.79	-0.00	0.00	29.00	55.00	750.00	10.90/2.00	200.00	1750.00	1450.00	300.00		145.00	140.60	138.00	
04/09/2025	01:16	01:40	0.40	1546.00	1635.00	89.00	Rotate				1558.00	0.48	240.12	1557.81	0.32	-18.52	18.48	0.40	-0.00	0.00	30.00	55.00	800.00	11.90/2.20	222.50	2150.00	1650.00	500.00		145.00	140.60	138.00	
04/09/2025	01:45	02:07	0.37	1635.00	1725.00	90.00	Rotate				1648.00	0.83	255.49	1647.80	-0.03	-19.48	19.40	0.43	-0.00	0.00	31.00	55.00	800.00	14.50/3.00	245.45	2200.00	1650.00	550.00		145.00	140.60	138.00	
04/09/2025	02:15	02:35	0.33	1725.00	1815.00	90.00	Rotate				1738.00	1.35	240.86	1737.79	-0.71	-21.04	20.90	0.65	-0.00	0.00	31.00	55.00	800.00	15.00/3.00	270.00	2200.00	1650.00	550.00		145.00	140.60	138.00	
04/09/2025	02:40	03:12	0.53	1815.00	1904.00	89.00	Rotate				1827.00	1.18	320.52	1826.77	-0.51	-22.54	22.41	1.83	0.00	0.00	28.00	50.00	750.00	13.50/3.00	166.88	2050.00	1550.00	500.00		145.00	140.60	138.00	
04/09/2025	03:17	03:42	0.42	1904.00	1994.00	90.00	Rotate				1917.00	1.31	334.49	1916.75	1.13	-23.57	23.58	0.37	0.00	0.00	25.00	50.00	750.00	13.20/3.00	216.00	2050.00	1525.00	525.00		145.00	140.60	138.00	
04/09/2025	03:48	03:56	0.13	1994.00	2016.00	22.00	Rotate				2006.00	1.73	331.62	2005.72	3.23	-24.64	24.83	0.48	0.00	0.00	25.00	50.00	750.00	13.20/3.00	165.00	2050.00	1525.00	525.00		145.00	140.60	138.00	
04/09/2025	04:05	04:14	0.15	2016.00	2038.00	22.00	Rotate														25.00	50.00	750.00	13.20/3.00	146.67	2050.00	1580.00	470.00		145.00	140.60	138.00	
04/09/2025	04:30	04:41	0.18	2038.00	2083.00	45.00	Rotate														25.00	50.00	850.00	13.20/3.00	245.45	2050.00	1880.00	170.00		145.00	140.60	138.00	
04/09/2025	04:51	05:06	0.25	2083.00	2128.00	45.00	Rotate				2096.00	2.05	332.90	2095.67	5.86	-26.02	26.44	0.36	0.00	0.00	25.00	50.00	850.00	13.20/3.00	180.00	2350.00	1880.00	470.00		145.00	140.60	138.00	
04/09/2025	05:10	05:45	0.58	2128.00	2173.00	45.00	Rotate														20.00	45.00	700.00	13.20/3.00	77.14	1650.00	1450.00	200.00		145.00	140.60	138.00	
04/09/2025	09:11	09:20	0.15	2173.00	2189.00	16.00	Rotate														20.00	45.00	700.00	13.20/3.00	106.67	1650.00	1450.00	200.00		145.00	140.60	138.00	

12.25 Orbit Intermediate - Slide Sheet

12.25 Orbit Intermediate - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 3: 12.25 Orbit Intermediate	BHA #:	3	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	5837.00
Site	Glade 3N-66W-02 Pad	Survey Offset	87.00	BHA Type:	Motorized RSS	Units:	Us Feet	Declination:	7.59	Rotate :	5837.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	83.66	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data										Survey Data										Parameters								Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/01/2025	12:30	12:40	0.17	2189.00	2199.00	10.00	Rotate														25.00		650.00	2.00/2.00	60.00	3000.00	2830.00	170.00		190.00	180.00	180.00	
05/01/2025	13:19	14:12	0.88	2199.00	2257.00	58.00	Rotate														30.00		700.00	3.00/2.00	65.66	3360.00	3220.00	140.00		190.00	180.00	180.00	DL@2211-180TF@25%
05/01/2025	14:17	14:58	0.68	2257.00	2302.00	45.00	Rotate				2260.00	2.83	326.61	2259.52	11.85	-29.59	30.51	0.50	-0.00	0.00	30.00		700.00	3.00/2.00	65.85	3360.00	3220.00	140.00		190.00	180.00	180.00	DL@2273-Decrease SR10%
05/01/2025	15:03	15:20	0.28	2302.00	2347.00	45.00	Rotate														30.00		700.00	3.00/2.00	158.82	3360.00	3220.00	140.00		190.00	180.00	180.00	
05/01/2025	15:27	15:48	0.35	2347.00	2437.00	90.00	Rotate				2350.00	2.70	329.77	2349.42	15.54	-31.88	33.11	0.22	0.00	0.00	30.00	75.00	800.00	10.00/2.00	257.14	4200.00	3875.00	325.00		190.00	180.00	180.00	
05/01/2025	15:53	16:53	1.00	2437.00	2527.00	90.00	Rotate				2440.00	2.58	330.51	2439.32	19.13	-33.94	35.48	0.14	0.00	0.00	30.00	75.00	800.00	10.00/2.00	90.00	4200.00	3875.00	325.00		190.00	180.00	180.00	DL@2459-Mag Mode / DL@2473-180TF@25%
05/01/2025	16:59	17:26	0.45	2527.00	2617.00	90.00	Rotate				2530.00	2.32	332.37	2529.24	22.51	-35.78	37.61	0.30	0.00	0.00	15.00	85.00	800.00	8.00/2.00	200.00	4000.00	3875.00	125.00		190.00	180.00	180.00	
05/01/2025	17:33	18:18	0.75	2617.00	2706.00	89.00	Rotate				2619.00	2.15	333.64	2618.17	25.60	-37.36	39.45	0.20	0.00	0.00	15.00	85.00	800.00	8.00/2.00	118.67	4000.00	3875.00	125.00		190.00	180.00	180.00	DL @ 2626&sq;- TF 180 @ SR 50%
05/01/2025	18:27	18:53	0.43	2706.00	2796.00	90.00	Rotate				2709.00	1.82	327.91	2708.12	28.33	-38.87	41.19	0.43	0.00	0.00	30.00	85.00	800.00	8.00/2.00	207.69	4000.00	3875.00	125.00		190.00	180.00	180.00	
05/01/2025	18:56	19:45	0.82	2796.00	2886.00	90.00	Rotate				2799.00	1.31	323.81	2798.08	30.37	-40.24	42.73	0.58	0.00	0.00	30.00	95.00	800.00	8.00/2.00	110.20	4000.00	3875.00	125.00		190.00	180.00	180.00	2X DL@2829&sq; Power V Unlock/ Engaged
05/01/2025	19:49	20:06	0.28	2886.00	2975.00	89.00	Rotate				2888.00	0.23	354.16	2887.07	31.37	-40.86	43.43	1.26	0.00	0.00	30.00	75.00	800.00	8.00/2.00	314.12	4000.00	3875.00	125.00		190.00	180.00	180.00	
05/01/2025	20:10	20:26	0.27	2975.00	3065.00	90.00	Rotate				2978.00	0.09	340.18	2977.07	31.61	-40.90	43.50	0.16	0.00	0.00	30.00	85.00	800.00	13.00/4.00	337.50	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	20:31	20:46	0.25	3065.00	3154.00	89.00	Rotate				3067.00	0.08	287.09	3066.07	31.70	-40.98	43.59	0.09	0.00	0.00	30.00	85.00	800.00	13.00/4.00	356.00	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	20:51	21:07	0.27	3154.00	3244.00	90.00	Rotate				3157.00	0.05	184.19	3156.07	31.68	-41.04	43.65	0.11	-0.00	-0.00	35.00	85.00	800.00	13.00/4.00	337.50	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	21:11	21:26	0.25	3244.00	3334.00	90.00	Rotate				3247.00	0.07	340.39	3246.07	31.69	-41.07	43.67	0.13	0.00	0.00	35.00	85.00	800.00	13.00/4.00	360.00	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	21:32	21:46	0.23	3334.00	3423.00	89.00	Rotate				3336.00	0.06	354.58	3335.07	31.79	-41.09	43.70	0.02	0.00	0.00	35.00	85.00	800.00	13.00/4.00	381.43	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	21:51	22:04	0.22	3423.00	3513.00	90.00	Rotate				3426.00	0.07	344.99	3425.07	31.89	-41.11	43.73	0.02	0.00	0.00	35.00	85.00	800.00	13.00/4.00	415.38	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	22:10	22:25	0.25	3513.00	3603.00	90.00	Rotate				3516.00	0.03	11.24	3515.07	31.96	-41.12	43.75	0.05	0.00	-0.00	35.00	85.00	800.00	13.00/4.00	360.00	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	22:29	22:44	0.25	3603.00	3692.00	89.00	Rotate				3605.00	0.16	266.65	3604.07	31.98	-41.24	43.87	0.19	-0.00	0.00	35.00	85.00	800.00	13.00/4.00	356.00	4125.00	3750.00	375.00		190.00	180.00	180.00	
05/01/2025	22:48	23:03	0.25	3692.00	3782.00	90.00	Rotate				3695.00	0.31	322.07	3694.07	32.16	-41.51	44.16	0.28	0.00	0.00	40.00	85.00	800.00	15.00/4.00	360.00	4275.00	3800.00	475.00		190.00	180.00	180.00	
05/01/2025	23:07	23:19	0.20	3782.00	3872.00	90.00	Rotate				3785.00	0.17	26.33	3784.07	32.47	-41.60	44.27	0.31	0.00	-0.00	40.00	85.00	800.00	15.00/4.00	450.00	4275.00	3800.00	475.00		190.00	180.00	180.00	
05/01/2025	23:24	23:39	0.25	3872.00	3962.00	90.00	Rotate				3875.00	0.17	65.14	3874.07	32.65	-41.42	44.11	0.13	0.00	-0.00	40.00	85.00	800.00	15.00/4.00	360.00	4275.00	3800.00	475.00		190.00	180.00	180.00	
05/01/2025	23:42	23:57	0.25	3962.00	4052.00	90.00	Rotate				3965.00	0.03	228.55	3964.07	32.69	-41.32	44.01	0.22	-0.00	0.00	40.00	85.00	800.00	15.00/4.00	360.00	4275.00	3800.00	475.00		190.00	180.00	180.00	
05/02/2025	00:06	00:20	0.23	4052.00	4141.00	89.00	Rotate				4054.00	0.08	226.12	4053.07	32.63	-41.38	44.07	0.06	-0.00	0.00	40.00	85.00	800.00	16.00/6.00	381.43	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	00:25	00:39	0.23	4141.00	4231.00	90.00	Rotate				4144.00	0.14	300.13	4143.07	32.64	-41.52	44.21	0.16	0.00	0.00	40.00	85.00	800.00	16.00/6.00	385.71	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	00:44	00:58	0.23	4231.00	4321.00	90.00	Rotate				4234.00	0.24	306.58	4233.07	32.81	-41.77	44.47	0.11	0.00	0.00	40.00	85.00	800.00	16.00/6.00	385.71	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	01:03	01:17	0.23	4321.00	4411.00	90.00	Rotate				4324.00	0.28	329.02	4323.07	33.11	-42.03	44.76	0.12	0.00	0.00	40.00	85.00	800.00	16.00/6.00	385.71	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	01:22	01:37	0.25	4411.00	4500.00	89.00	Rotate				4413.00	0.08	298.17	4412.07	33.33	-42.20	44.94	0.24	0.00	0.00	40.00	85.00	800.00	16.00/6.00	356.00	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	01:42	01:56	0.23	4500.00	4590.00	90.00	Rotate				4503.00	0.04	172.49	4502.07	33.33	-42.25	44.99	0.12	-0.00	-0.00	40.00	85.00	800.00	16.00/6.00	385.71	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	02:00	02:15	0.25	4590.00	4680.00	90.00	Rotate				4593.00	0.08	277.89	4592.07	33.30	-42.31	45.05	0.11	-0.00	0.00	40.00	85.00	800.00	16.00/6.00	360.00	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	02:18	02:33	0.25	4680.00	4769.00	89.00	Rotate				4682.00	0.03	36.65	4681.07	33.33	-42.36	45.10	0.11	0.00	-0.00	40.00	85.00	800.00	16.00/6.00	356.00	4400.00	3950.00	450.00		220.00	215.00	210.00	
05/02/2025	02:37	02:52	0.25	4769.00	4859.00	90.00	Rotate				4772.00	0.07	167.95	4771.07	33.30	-42.33	45.07	0.10	-0.00	-0.00	40.00	85.00	800.00	17.50/6.00	360.00	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	02:56	03:10	0.23	4859.00	4949.00	90.00	Rotate				4862.00	0.07	311.05	4861.07	33.28	-42.36	45.10	0.15	0.00	0.00	40.00	85.00	800.00	17.50/6.00	385.71	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	03:16	03:31	0.25	4949.00	5039.00	90.00	Rotate				4952.00	0.11	16.81	4951.07	33.40	-42.38	45.13	0.11	0.00	-0.00	40.00	85.00	800.00	17.50/6.00	360.00	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	03:36	03:51	0.25	5039.00	5128.00	89.00	Rotate				5041.00	0.05	166.18	5040.07	33.44	-42.34	45.10	0.17	-0.00	-0.00	40.00	85.00	800.00	17.50/6.00	356.00	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	03:55	04:09	0.23	5128.00	5218.00	90.00	Rotate				5131.00	0.04	252.00	5130.07	33.39	-42.36	45.11	0.07	-0.00	0.00	40.00	85.00	800.00	17.50/6.00	385.71	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	04:15	04:29	0.23	5218.00	5308.00	90.00	Rotate				5221.00	0.07	295.19	5220.07	33.41	-42.44	45.19	0.05	0.00	0.00	40.00	85.00	800.00	17.50/6.00	385.71	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	04:34	04:48	0.23	5308.00	5397.00	89.00	Rotate				5310.00	0.04	149.49	5309.07	33.40	-42.48	45.23	0.12	-0.00	-0.00	40.00	85.00	800.00	17.50/6.00	381.43	4525.00	3950.00	575.00		225.00	220.00	215.00	

05/02/2025	04:53	05:09	0.27	5397.00	5487.00	90.00	Rotate				5400.00	0.03	37.51	5399.07	33.39	-42.45	45.19	0.06	0.00	-0.00	40.00	85.00	800.00	17.50/6.00	337.50	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	05:13	05:29	0.27	5487.00	5576.00	89.00	Rotate				5489.00	0.08	273.12	5488.07	33.42	-42.49	45.24	0.11	-0.00	0.00	40.00	85.00	800.00	17.50/6.00	333.75	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	05:34	05:49	0.25	5576.00	5666.00	90.00	Rotate				5579.00	0.08	325.39	5578.07	33.47	-42.59	45.35	0.08	0.00	0.00	40.00	85.00	800.00	17.50/6.00	360.00	4525.00	3950.00	575.00		225.00	220.00	215.00	
05/02/2025	05:53	06:08	0.25	5666.00	5756.00	90.00	Rotate				5669.00	0.07	187.52	5668.07	33.47	-42.63	45.39	0.16	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	360.00	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	06:17	06:31	0.23	5756.00	5845.00	89.00	Rotate				5758.00	0.14	251.08	5757.07	33.38	-42.74	45.49	0.14	-0.00	0.00	40.00	95.00	800.00	20.00/8.00	381.43	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	06:41	06:56	0.25	5845.00	5935.00	90.00	Rotate				5848.00	0.03	139.00	5847.07	33.33	-42.83	45.57	0.17	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	360.00	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	07:07	07:21	0.23	5935.00	6025.00	90.00	Rotate				5938.00	0.02	125.24	5937.07	33.30	-42.80	45.54	0.01	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	385.71	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	07:25	07:40	0.25	6025.00	6115.00	90.00	Rotate				6028.00	0.09	229.05	6027.07	33.24	-42.85	45.58	0.11	-0.00	0.00	40.00	95.00	800.00	20.00/8.00	360.00	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	07:45	08:35	0.83	6115.00	6204.00	89.00	Rotate				6117.00	0.04	257.45	6116.07	33.19	-42.93	45.66	0.07	-0.00	0.00	25.00	95.00	800.00	20.00/8.00	106.80	4650.00	4100.00	550.00		225.00	220.00	215.00	2x DL@6180 PowerV Unlock / Set TF216 @ 50%
05/02/2025	08:44	09:15	0.52	6204.00	6294.00	90.00	Rotate				6207.00	0.12	233.61	6206.07	33.13	-43.03	45.76	0.09	-0.00	0.00	25.00	95.00	800.00	20.00/8.00	174.19	4650.00	4100.00	550.00		225.00	220.00	215.00	DL@6273 Decrease TF12deg
05/02/2025	09:20	09:51	0.52	6294.00	6384.00	90.00	Rotate				6297.00	0.58	201.91	6296.07	32.65	-43.28	45.96	0.54	-0.00	0.00	25.00	95.00	800.00	20.00/8.00	174.19	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	09:55	10:12	0.28	6384.00	6429.00	45.00	Rotate				6386.00	0.89	202.76	6385.06	31.59	-43.72	46.30	0.35	-0.00	0.00	25.00	95.00	800.00	20.00/8.00	158.82	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	10:20	10:29	0.15	6429.00	6473.00	44.00	Rotate														30.00	95.00	800.00	20.00/8.00	293.33	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	10:40	10:58	0.30	6473.00	6537.00	64.00	Rotate				6476.00	1.11	195.59	6475.04	30.11	-44.22	46.68	0.28	-0.00	-0.00	30.00	95.00	800.00	20.00/8.00	213.33	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	13:45	13:53	0.13	6537.00	6563.00	26.00	Rotate														30.00	95.00	800.00	20.00/8.00	195.00	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	14:01	14:45	0.73	6563.00	6653.00	90.00	Rotate				6566.00	1.58	194.41	6565.02	28.07	-44.76	47.04	0.52	-0.00	-0.00	25.00	95.00	800.00	20.00/8.00	122.73	4650.00	4100.00	550.00		225.00	220.00	215.00	DL@6607 Increase SR by 10%
05/02/2025	14:56	15:24	0.47	6653.00	6743.00	90.00	Rotate				6656.00	2.48	193.67	6654.96	24.98	-45.53	47.54	1.00	-0.00	-0.00	35.00	95.00	800.00	20.00/8.00	192.86	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	15:32	16:02	0.50	6743.00	6832.00	89.00	Rotate				6745.00	3.02	190.28	6743.86	20.80	-46.41	48.04	0.63	-0.00	-0.00	25.00	95.00	800.00	20.00/8.00	178.00	4650.00	4100.00	550.00		225.00	220.00	215.00	DL@6787 Decrease SR byy 10%
05/02/2025	16:08	16:27	0.32	6832.00	6922.00	90.00	Rotate				6835.00	3.29	187.96	6833.72	15.91	-47.19	48.39	0.33	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	284.21	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	16:33	17:04	0.52	6922.00	7012.00	90.00	Rotate				6925.00	3.33	185.69	6923.57	10.75	-47.80	48.56	0.15	-0.00	-0.00	25.00	95.00	800.00	20.00/8.00	174.19	4650.00	4100.00	550.00		225.00	220.00	215.00	DL@6964 Increase TF12deg
05/02/2025	17:13	17:40	0.45	7012.00	7101.00	89.00	Rotate				7014.00	3.52	185.70	7012.41	5.46	-48.33	48.62	0.21	-0.00	-0.00	15.00	95.00	800.00	13.00/8.00	197.78	4660.00	4480.00	180.00		280.00	265.00	250.00	
05/02/2025	17:50	18:28	0.63	7101.00	7191.00	90.00	Rotate				7104.00	3.81	183.66	7102.23	-0.28	-48.80	48.59	0.35	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	142.11	4650.00	4100.00	550.00		225.00	220.00	215.00	DL@7133 TF216deg SF50%
05/02/2025	18:39	19:06	0.45	7191.00	7281.00	90.00	Rotate				7194.00	3.99	184.46	7192.02	-6.38	-49.23	48.49	0.21	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	200.00	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	19:58	20:37	0.65	7281.00	7370.00	89.00	Rotate				7283.00	4.14	184.71	7280.80	-12.67	-49.74	48.44	0.17	-0.00	-0.00	45.00	95.00	800.00	20.00/8.00	136.92	4750.00	4350.00	400.00		275.00	275.00	265.00	DL @ 7319 Increase SR by 10%
05/02/2025	20:43	21:05	0.37	7370.00	7460.00	90.00	Rotate				7373.00	4.38	186.77	7370.55	-19.32	-50.41	48.53	0.32	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	245.45	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	21:11	21:57	0.77	7460.00	7550.00	90.00	Rotate				7463.00	4.51	186.88	7460.28	-26.25	-51.24	48.75	0.14	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	117.39	4650.00	4100.00	550.00		225.00	220.00	215.00	DL @ 7491 TF=225 SR-25% and SR +10%
05/02/2025	22:02	22:24	0.37	7550.00	7639.00	89.00	Rotate				7552.00	4.62	187.64	7548.99	-33.27	-52.13	49.03	0.14	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	242.73	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	22:29	22:52	0.38	7639.00	7729.00	90.00	Rotate				7642.00	4.54	187.46	7638.71	-40.40	-53.08	49.35	0.09	-0.00	-0.00	40.00	95.00	800.00	20.00/8.00	234.78	4650.00	4100.00	550.00		225.00	220.00	215.00	
05/02/2025	22:58	23:54	0.93	7729.00	7819.00	90.00	Rotate				7732.00	4.51	187.29	7728.43	-47.44	-53.99	49.65	0.04	-0.00	-0.00	30.00	10.00	800.00	12.00/8.00	96.43	4730.00	4335.00	395.00		275.00	275.00	265.00	
05/03/2025	00:00	01:37	1.62	7819.00	7909.00	90.00	Rotate				7822.00	4.87	191.48	7818.13	-54.69	-55.20	50.22	0.55	-0.00	-0.00	30.00	10.00	800.00	12.00/8.00	55.67	4730.00	4335.00	395.00		275.00	275.00	265.00	
05/03/2025	01:47	02:37	0.83	7909.00	7998.00	89.00	Rotate				7911.00	5.49	196.62	7906.76	-62.47	-57.17	51.50	0.87	-0.00	-0.00	30.00	10.00	800.00	12.00/8.00	106.80	4730.00	4335.00	395.00		275.00	275.00	265.00	
05/03/2025	02:45	03:36	0.85	7998.00	8026.00	28.00	Rotate				8001.00	5.35	197.01	7996.36	-70.61	-59.63	53.24	0.16	-0.00	-0.00	30.00	10.00	800.00	12.00/8.00	32.94	4730.00	4335.00	395.00		275.00	275.00	265.00	DL @ 8017&sq; SF=10% Decrease

12.25 Orbit Intermediate #2 - Slide Sheet

SCOUT DRILLING TECHNOLOGIES — A Business Unit of Turbo Drill Industries, Inc.	12.25 Orbit Intermediate #2 - Slide Sheet	OXY

Operator	Occidental Petroleum_Rockies	BHA	BHA# 4: 12.25 Orbit Intermediate #2	BHA #:	4	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	115.00
Site	Glade 3N-66W-02 Pad	Survey Offset	87.00	BHA Type:	Motorized RSS	Units:	Us Feet	Declination:	7.59	Rotate :	115.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	83.62	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/04/2025	00:14	01:05	0.85	8026.00	8088.00	62.00	Rotate														50.00	40.00	800.00	18.00/4.00	72.94	5100.00	4400.00	700.00		290.00	280.00	285.00	DL @ 8026 TF=135 SR=25% (gravity mode)
05/04/2025	01:10	03:16	2.10	8088.00	8141.00	53.00	Rotate				8091.00	5.26	203.23	8085.98	-78.42	-62.48	55.41	0.65	-0.00	0.00	60.00	45.00	800.00	13.00/4.00	25.24	5100.00	4271.00	829.00		290.00	280.00	285.00	DL Twice SR 10% Increase

12.25 Intermediate - Slide Sheet

SCOUT DRILLING TECHNOLOGIES™ A Business Unit of Turbo Drill Industries, Inc.	12.25 Intermediate - Slide Sheet	OXY

Operator	Occidental Petroleum_Rockies	BHA	BHA# 5: 12.25 Intermediate	BHA #:	5	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	410.00
Site	Glade 3N-66W-02 Pad	Survey Offset	61.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	381.00 (92.93%)
Well Name	Glade East - OH	Gamma Offset	57.85	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	29.00 (7.07%)

Drilling Data											Survey Data									Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/04/2025	18:12	18:27	0.25	8141.00	8152.00	11.00	Rotate														50.00	20.00	800.00	6.00/10.00	44.00	4700.00	4500.00	200.00		285.00	280.00	275.00	
05/04/2025	18:35	21:42	3.12	8152.00	8242.00	90.00	Rotate				8181.00	4.83	207.41	8175.63	-85.57	-65.85	58.14	0.63	-0.00	0.00	50.00	20.00	800.00	6.00/10.00	28.88	4700.00	4500.00	200.00		285.00	280.00	275.00	
05/04/2025	21:48	22:09	0.35	8242.00	8250.00	8.00	Slide	310.00	0.00	2.60											55.00		800.00	6.00/10.00	22.86	4700.00	4500.00	200.00		285.00	280.00	275.00	
05/04/2025	22:09	24:00	1.85	8250.00	8313.00	63.00	Rotate				8271.00	4.67	209.01	8265.32	-92.14	-69.37	61.08	0.23	-0.00	0.00	50.00	20.00	800.00	6.00/10.00	34.36	4700.00	4500.00	200.00		285.00	280.00	275.00	
05/05/2025	00:00	00:25	0.42	8313.00	8332.00	19.00	Rotate														50.00	20.00	800.00	6.00/10.00	45.60	4700.00	4500.00	200.00		285.00	280.00	275.00	
05/05/2025	00:31	01:00	0.48	8332.00	8343.00	11.00	Slide	340.00	0.00	4.90											55.00		800.00	6.00/10.00	22.76	4700.00	4500.00	200.00		285.00	280.00	275.00	
05/05/2025	01:00	04:59	3.98	8343.00	8422.00	79.00	Rotate				8361.00	4.17	211.63	8355.05	-98.13	-72.87	64.04	0.60	-0.00	0.00	58.00	25.00	800.00	6.00/12.00	19.83	4650.00	4300.00	350.00		285.00	280.00	275.00	
05/05/2025	05:05	05:39	0.57	8422.00	8432.00	10.00	Slide	330.00	0.00												60.00		800.00	6.00/12.00	17.65	4650.00	4300.00	350.00		285.00	280.00	275.00	
05/05/2025	05:39	10:54	5.25	8432.00	8511.00	79.00	Rotate				8450.00	4.00	216.54	8443.82	-103.38	-76.41	67.11	0.44	-0.00	0.00	60.00	25.00	800.00	6.00/12.00	15.05	4650.00	4300.00	350.00		285.00	280.00	275.00	
05/05/2025	11:08	12:53	1.75	8511.00	8551.00	40.00	Rotate				8540.00	4.03	216.17	8533.60	-108.45	-80.15	70.39	0.04	-0.00	0.00	60.00	25.00	800.00	6.00/12.00	22.86	4650.00	4300.00	350.00		285.00	280.00	275.00	

12.25 Intermediate - Slide Sheet

12.25 Intermediate - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 6: 12.25 Intermediate	BHA #:	6	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	896.00
Site	Glade 3N-66W-02 Pad	Survey Offset	61.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	880.00 (98.21%)
Well Name	Glade East - OH	Gamma Offset	57.85	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	16.00 (1.79%)

Drilling Data											Survey Data									Parameters										Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/06/2025	02:46	03:26	0.67	8551.00	8601.00	50.00	Rotate														50.00	40.00	800.00	19.00/7.00	75.00	5000.00	4500.00	500.00		290.00	285.00	280.00	
05/06/2025	03:33	04:50	1.28	8601.00	8691.00	90.00	Rotate				8630.00	3.76	215.65	8623.39	-113.40	-83.73	73.53	0.30	-0.00	0.00	63.00	45.00	800.00	20.00/7.00	70.13	5000.00	4600.00	400.00		290.00	285.00	280.00	
05/06/2025	04:58	05:54	0.93	8691.00	8780.00	89.00	Rotate				8719.00	3.52	215.84	8712.22	-117.99	-87.03	76.42	0.27	-0.00	0.00	63.00	45.00	800.00	20.00/7.00	95.36	5000.00	4600.00	400.00		290.00	285.00	280.00	
05/06/2025	06:04	07:04	1.00	8780.00	8870.00	90.00	Rotate				8809.00	3.16	218.62	8802.06	-122.17	-90.20	79.21	0.44	-0.00	0.00	63.00	45.00	800.00	13.00/7.00	90.00	5000.00	4600.00	400.00		290.00	285.00	280.00	
05/06/2025	07:10	08:31	1.35	8870.00	8960.00	90.00	Rotate				8899.00	3.17	220.63	8891.93	-125.99	-93.37	82.03	0.12	-0.00	0.00	70.00	45.00	800.00	13.00/7.00	66.67	5000.00	4600.00	400.00		290.00	285.00	280.00	
05/06/2025	08:37	10:06	1.48	8960.00	9049.00	89.00	Rotate				8988.00	3.02	218.53	8980.80	-129.70	-96.43	84.76	0.21	-0.00	0.00	70.00	45.00	800.00	13.00/7.00	60.00	5000.00	4600.00	400.00		290.00	285.00	280.00	
05/06/2025	10:11	12:01	1.83	9049.00	9103.00	54.00	Rotate				9078.00	2.76	218.33	9070.68	-133.25	-99.25	87.26	0.29	-0.00	0.00	70.00	45.00	800.00	13.00/7.00	29.45	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/06/2025	12:16	13:48	1.53	9103.00	9139.00	36.00	Rotate														70.00	45.00	800.00	13.00/7.00	23.48	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/06/2025	13:54	17:48	3.90	9139.00	9229.00	90.00	Rotate				9168.00	2.63	219.22	9160.58	-136.55	-101.90	89.61	0.15	-0.00	0.00	70.00	45.00	800.00	13.00/7.00	23.08	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/06/2025	17:54	21:42	3.80	9229.00	9318.00	89.00	Rotate				9257.00	2.57	218.49	9249.49	-139.69	-104.43	91.86	0.08	-0.00	0.00	70.00	45.00	800.00	13.00/7.00	23.42	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/06/2025	22:00	23:15	1.25	9318.00	9329.00	11.00	Slide	230.00	0.00	0.80											60.00		800.00	13.00/7.00	8.80	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/06/2025	23:15	24:00	0.75	9329.00	9335.00	6.00	Rotate														70.00	45.00	800.00	13.00/7.00	8.18	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/07/2025	00:00	03:49	3.82	9335.00	9408.00	73.00	Rotate				9347.00	2.55	220.11	9339.40	-142.80	-106.98	94.13	0.08	-0.00	0.00	70.00	45.00	800.00	13.00/7.00	19.13	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/07/2025	04:02	05:44	1.70	9408.00	9413.00	5.00	Slide	220.00	0.00												60.00		800.00	13.00/7.00	2.94	5000.00	4600.00	400.00		305.00	285.00	290.00	
05/07/2025	05:44	07:47	2.05	9413.00	9447.00	34.00	Rotate				9437.00	2.57	216.29	9429.31	-145.96	-109.46	96.33	0.19	-0.00	0.00	70.00	45.00	800.00	13.00/7.00	16.59	5000.00	4600.00	400.00		305.00	285.00	290.00	

12.25 Intermediate - Slide Sheet

12.25 Intermediate - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 7: 12.25 Intermediate	BHA #:	7	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	358.00
Site	Glade 3N-66W-02 Pad	Survey Offset	61.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	271.00 (75.70%)
Well Name	Glade East - OH	Gamma Offset	57.92	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	87.00 (24.30%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/07/2025	22:25	23:48	1.38	9447.00	9498.00	51.00	Rotate														65.00	30.00	800.00	13.50/7.00	36.87	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/07/2025	23:55	24:00	0.08	9498.00	9502.00	4.00	Slide	217.00	0.00												65.00		800.00	13.50/7.00	60.00	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	00:00	00:36	0.60	9502.00	9518.00	16.00	Slide	217.00	0.00												65.00		800.00	13.50/7.00	26.67	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	00:36	02:38	2.03	9518.00	9587.00	69.00	Rotate				9526.00	3.36	218.95	9518.19	-149.60	-112.28	98.82	0.90	-0.00	0.00	65.00	30.00	800.00	16.50/7.00	33.93	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	02:44	02:56	0.20	9587.00	9595.00	8.00	Slide	200.00	0.00												65.00		800.00	16.50/7.00	40.00	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	02:56	06:00	3.07	9595.00	9677.00	82.00	Rotate				9616.00	3.55	217.82	9608.03	-153.85	-115.65	101.80	0.22	-0.00	0.00	65.00	30.00	800.00	16.50/7.00	26.74	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	06:11	07:43	1.53	9677.00	9692.00	15.00	Slide	200.00	0.00												60.00		800.00	16.50/7.00	9.78	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	09:10	10:00	0.83	9692.00	9702.00	10.00	Slide	220.00	0.00												60.00		800.00	16.50/7.00	12.00	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	16:50	20:20	3.50	9702.00	9766.00	64.00	Rotate				9705.00	4.09	216.71	9696.83	-158.57	-119.24	104.96	0.61	-0.00	0.00	60.00	30.00	800.00	16.50/7.00	18.29	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/08/2025	20:44	24:00	3.27	9766.00	9791.00	25.00	Slide	0.00	0.00												60.00		800.00	16.50/7.00	7.69	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/09/2025	00:00	00:40	0.67	9791.00	9794.00	3.00	Slide	0.00	0.00												60.00		800.00	16.50/7.00	4.50	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/09/2025	00:40	01:10	0.50	9794.00	9799.00	5.00	Rotate				9795.00	3.52	223.30	9786.63	-163.16	-123.05	108.36	0.80	-0.00	0.00	60.00	15.00	800.00	16.50/7.00	10.00	5050.00	4500.00	550.00		310.00	305.00	300.00	
05/09/2025	01:10	01:49	0.65	9799.00	9805.00	6.00	Slide	0.00	0.00												60.00		800.00	16.50/7.00	9.23	5050.00	4500.00	550.00		310.00	305.00	300.00	

12.25 Intermediate - Slide Sheet

12.25 Intermediate - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 8: 12.25 Intermediate	BHA #:	8	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	374.04
Site	Glade 3N-66W-02 Pad	Survey Offset	61.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	358.04 (95.72%)
Well Name	Glade East - OH	Gamma Offset	57.82	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	16.00 (4.28%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/10/2025	08:00	08:37	0.62	9804.96	9856.00	51.04	Rotate														70.00	40.00	800.00	23.00/6.00	82.77	5975.00	5200.00	775.00	220.00	315.00	310.00	300.00	
05/10/2025	09:05	09:09	0.07	9856.00	9860.00	4.00	Rotate														70.00	40.00	800.00	23.00/6.00	60.00	5975.00	5200.00	775.00	220.00	315.00	310.00	300.00	
05/10/2025	09:20	09:36	0.27	9860.00	9866.00	6.00	Slide	0.00	0.00												55.00		800.00	23.00/6.00	22.50	5475.00	5200.00	275.00	220.00	315.00	310.00	300.00	
05/10/2025	09:45	10:11	0.43	9866.00	9873.00	7.00	Slide	0.00	0.00												55.00		800.00	23.00/6.00	16.15	5475.00	5200.00	275.00	220.00	315.00	310.00	300.00	
05/10/2025	10:20	10:46	0.43	9873.00	9876.00	3.00	Slide	0.00	0.00												55.00		800.00	23.00/6.00	6.92	5475.00	5200.00	275.00	220.00	315.00	310.00	300.00	
05/10/2025	10:46	13:27	2.68	9876.00	9940.00	64.00	Rotate				9885.00	3.51	223.56	9876.46	-167.16	-126.84	111.79	0.02	-0.00	0.00	70.00	40.00	800.00	15.00/6.00	23.85	5975.00	5200.00	775.00	220.00	315.00	310.00	300.00	
05/10/2025	14:05	14:13	0.13	9940.00	9946.00	6.00	Rotate														70.00	40.00	800.00	15.00/6.00	45.00	5975.00	5200.00	775.00	220.00	315.00	310.00	300.00	
05/10/2025	14:18	17:20	3.03	9946.00	10035.00	89.00	Rotate				9974.00	3.34	225.03	9965.30	-170.97	-130.56	115.16	0.21	-0.00	0.00	70.00	40.00	800.00	15.00/8.00	29.34	5293.00	5000.00	293.00	240.00	315.00	310.00	300.00	
05/10/2025	17:26	18:23	0.95	10035.00	10062.00	27.00	Rotate														70.00	40.00	800.00	15.00/8.00	28.42	5293.00	5000.00	293.00	240.00	315.00	310.00	300.00	
05/10/2025	18:56	21:12	2.27	10062.00	10125.00	63.00	Rotate				10064.00	3.43	224.49	10055.14	-174.74	-134.30	118.56	0.11	-0.00	0.00	70.00	40.00	800.00	15.00/8.00	27.79	5293.00	5000.00	293.00	240.00	315.00	310.00	300.00	
05/10/2025	21:15	23:20	2.08	10125.00	10179.00	54.00	Rotate				10154.00	3.23	225.84	10144.99	-178.43	-138.00	121.93	0.24	-0.00	0.00	70.00	40.00	800.00	15.00/8.00	25.92	5293.00	5000.00	293.00	240.00	315.00	310.00	300.00	

12.25 Intermediate - Slide Sheet

12.25 Intermediate - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 9: 12.25 Intermediate	BHA #:	9	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	173.00
Site	Glade 3N-66W-02 Pad	Survey Offset	61.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	173.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	57.82	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data										Parameters										Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/11/2025	15:48	16:00	0.20	10179.00	10209.00	30.00	Rotate														60.00	45.00	800.00	22.00/7.00	150.00	5350.00	5000.00	350.00	230.00	325.00	315.00	310.00	
05/11/2025	17:19	17:21	0.03	10209.00	10215.00	6.00	Rotate														75.00	50.00	800.00	22.00/7.00	180.00	5350.00	4800.00	550.00	230.00	325.00	315.00	310.00	
05/11/2025	17:27	19:43	2.27	10215.00	10305.00	90.00	Rotate				10244.00	3.20	226.70	10234.85	-181.92	-141.65	125.26	0.06	-0.00	0.00	65.00	40.00	800.00	22.00/7.00	39.71	5350.00	4800.00	550.00	230.00	325.00	315.00	310.00	
05/11/2025	19:49	22:12	2.38	10305.00	10352.00	47.00	Rotate				10333.00	3.12	228.82	10323.72	-185.22	-145.28	128.59	0.16	-0.00	0.00	65.00	40.00	800.00	22.00/7.00	19.72	5350.00	5000.00	350.00	230.00	325.00	315.00	310.00	

12.25 Intermediate - Slide Sheet

12.25 Intermediate - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 10: 12.25 Intermediate	BHA #:	10	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	578.00
Site	Glade 3N-66W-02 Pad	Survey Offset	61.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	578.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	57.82	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/12/2025	12:33	13:09	0.60	10352.00	10394.00	42.00	Rotate														60.00	30.00	800.00	18.00/6.00	70.00	5600.00	5200.00	400.00	235.00	335.00	325.00	315.00	
05/12/2025	13:15	14:31	1.27	10394.00	10484.00	90.00	Rotate				10423.00	3.10	228.34	10413.58	-188.45	-148.94	131.95	0.04	-0.00	0.00	60.00	30.00	800.00	18.00/6.00	71.05	5600.00	5200.00	400.00	235.00	335.00	325.00	315.00	
05/12/2025	14:36	15:54	1.30	10484.00	10574.00	90.00	Rotate				10513.00	3.04	230.14	10503.45	-191.59	-152.59	135.31	0.13	-0.00	0.00	60.00	30.00	800.00	18.00/6.00	69.23	5600.00	5200.00	400.00	245.00	335.00	325.00	315.00	
05/12/2025	16:00	17:31	1.52	10574.00	10664.00	90.00	Rotate				10603.00	3.02	229.85	10593.33	-194.65	-156.24	138.68	0.03	-0.00	0.00	60.00	30.00	800.00	18.00/6.00	59.34	5600.00	5200.00	400.00	245.00	335.00	325.00	315.00	
05/12/2025	17:35	19:00	1.42	10664.00	10753.00	89.00	Rotate				10692.00	2.82	229.00	10682.21	-197.60	-159.68	141.85	0.23	-0.00	0.00	60.00	30.00	800.00	18.00/6.00	62.82	5600.00	5200.00	400.00	245.00	335.00	325.00	315.00	
05/12/2025	19:05	21:09	2.07	10753.00	10843.00	90.00	Rotate				10782.00	2.86	228.26	10772.10	-200.55	-163.03	144.93	0.06	-0.00	0.00	60.00	30.00	800.00	18.00/6.00	43.55	5600.00	5200.00	400.00	245.00	335.00	325.00	315.00	
05/12/2025	21:14	24:00	2.77	10843.00	10878.00	35.00	Rotate				10872.00	2.65	228.64	10862.00	-203.42	-166.26	147.90	0.23	-0.00	0.00	60.00	30.00	800.00	18.00/6.00	12.73	5600.00	5200.00	400.00	245.00	335.00	325.00	315.00	
05/13/2025	00:00	02:12	2.20	10878.00	10907.00	29.00	Rotate														60.00	30.00	800.00	18.00/6.00	13.18	5600.00	5200.00	400.00	245.00	335.00	325.00	315.00	
05/13/2025	03:30	05:30	2.00	10907.00	10930.00	23.00	Rotate														60.00	30.00	800.00	18.00/6.00	11.50	5600.00	5200.00	400.00	245.00	335.00	325.00	315.00	

12.25 Intermediate - Slide Sheet

SCOUT DRILLING TECHNOLOGIES™ A Business Unit of Turbo Drill Industries, Inc.	12.25 Intermediate - Slide Sheet	OXY

Operator	Occidental Petroleum_Rockies	BHA	BHA# 11: 12.25 Intermediate	BHA #:	11	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	220.00
Site	Glade 3N-66W-02 Pad	Survey Offset	61.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	220.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	57.82	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
05/13/2025	19:53	21:54	2.02	10930.00	11023.00	93.00	Rotate				10962.00	2.33	231.02	10951.91	-205.94	-169.25	150.66	0.37	-0.00	0.00	80.00	45.00	800.00	18.00/5.50	46.12	5450.00	5150.00	300.00	248.00	338.00	327.00	327.00	
05/13/2025	21:59	22:21	0.37	11023.00	11036.00	13.00	Rotate														80.00	45.00	800.00	18.00/5.50	35.45	5450.00	5150.00	300.00	248.00	338.00	327.00	327.00	
05/14/2025	01:03	03:03	2.00	11036.00	11113.00	77.00	Rotate				11052.00	2.16	230.74	11041.84	-208.17	-171.98	153.19	0.19	-0.00	0.00	80.00	45.00	800.00	18.00/5.50	38.50	5450.00	5150.00	300.00	248.00	338.00	327.00	327.00	
05/14/2025	03:07	04:16	1.15	11113.00	11150.00	37.00	Rotate														80.00	45.00	800.00	18.00/5.50	32.17	5450.00	5150.00	300.00	248.00	338.00	327.00	327.00	

8.5 Production BHA- Halliburton - Slide Sheet

SCOUT DRILLING TECHNOLOGIES — A Business Unit of Turbo Drill Industries, Inc.	8.5 Production BHA- Halliburton - Slide Sheet	OXY

Operator	Occidental Petroleum_Rockies	BHA	BHA# 13: 8.5 Production BHA- Halliburton	BHA #:	13	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	367.00
Site	Glade 3N-66W-02 Pad	Survey Offset	72.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	367.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	62.18	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
06/17/2025	11:36	12:13	0.62	11160.00	11244.00	84.00	Rotate														50.00	40.00	650.00	11.60/6.50	136.22	3070.00	2750.00	320.00	288.00	360.00	353.00	345.00	
06/17/2025	12:18	12:59	0.68	11244.00	11339.00	95.00	Rotate				11267.90	1.73	232.37	11257.63	-212.46	-177.53	158.34	0.11	-0.00	0.00	50.00	40.00	650.00	11.60/6.50	139.02	3070.00	2750.00	320.00	288.00	360.00	353.00	345.00	
06/17/2025	13:07	13:53	0.77	11339.00	11434.00	95.00	Rotate				11362.70	1.24	220.83	11352.40	-214.11	-179.34	159.99	0.60	-0.00	0.00	50.00	40.00	650.00	11.60/6.50	123.91	3070.00	2750.00	320.00	288.00	360.00	353.00	345.00	
06/17/2025	15:14	16:03	0.82	11434.00	11527.00	93.00	Rotate				11457.60	1.45	234.34	11447.27	-215.58	-180.98	161.51	0.40	-0.00	0.00	50.00	40.00	650.00	11.60/6.50	113.88	3070.00	2750.00	320.00	288.00	360.00	353.00	345.00	

8.5 Production BHA- Quantum - Slide Sheet

8.5 Production BHA- Quantum - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 14: 8.5 Production BHA- Quantum	BHA #:	14	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	1757.00
Site	Glade 3N-66W-02 Pad	Survey Offset	58.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	1655.00 (94.19%)
Well Name	Glade East - OH	Gamma Offset	54.40	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	102.00 (5.81%)

Drilling Data											Survey Data									Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
06/18/2025	16:32	16:38	0.10	11527.00	11540.00	13.00	Rotate														45.00	40.00	650.00	14.10/9.20	130.00	3200.00	2750.00	450.00	230.00	365.00	345.00	355.00	
06/18/2025	16:48	17:00	0.20	11540.00	11560.00	20.00	Slide	280.00	0.00	9.30											45.00		650.00	14.10/9.20	100.00	3200.00	2750.00	450.00	230.00	365.00	345.00	355.00	
06/18/2025	17:00	17:31	0.52	11560.00	11635.00	75.00	Rotate				11577.00	2.44	278.40	11566.62	-216.13	-184.12	164.58	1.95	-0.00	0.00	55.00	40.00	650.00	14.10/9.20	145.16	3200.00	2750.00	450.00	192.00	365.00	345.00	355.00	
06/18/2025	17:40	17:53	0.22	11635.00	11655.00	20.00	Slide	280.00	0.00	8.60											55.00		650.00	14.10/9.20	92.31	3200.00	2750.00	450.00	192.00	365.00	345.00	355.00	
06/18/2025	17:53	18:25	0.53	11655.00	11730.00	75.00	Rotate				11672.00	4.04	289.61	11661.47	-214.71	-189.27	169.84	1.80	0.00	0.00	55.00	40.00	650.00	14.10/9.20	140.63	3200.00	2750.00	450.00	192.00	365.00	345.00	355.00	
06/18/2025	18:39	18:55	0.27	11730.00	11750.00	20.00	Slide	240.00	0.00	9.80											55.00		650.00	14.10/9.20	75.00	3200.00	2750.00	450.00	192.00	365.00	345.00	355.00	
06/18/2025	18:55	19:27	0.53	11750.00	11825.00	75.00	Rotate				11767.00	5.82	279.83	11756.12	-212.77	-197.17	177.88	2.07	-0.00	0.00	55.00	40.00	650.00	14.10/9.20	140.63	3250.00	2900.00	350.00	178.00	365.00	345.00	355.00	
06/18/2025	19:37	19:54	0.28	11825.00	11838.00	13.00	Slide	265.00	0.00	12.90											55.00		650.00	14.10/9.20	45.88	3250.00	2900.00	350.00	178.00	365.00	345.00	355.00	
06/18/2025	19:54	20:36	0.70	11838.00	11920.00	82.00	Rotate				11862.00	7.40	284.14	11850.48	-210.45	-207.85	188.72	1.74	-0.00	0.00	55.00	40.00	650.00	14.10/9.20	117.14	3250.00	2900.00	350.00	178.00	390.00	360.00	350.00	
06/18/2025	20:42	21:26	0.73	11920.00	12014.00	94.00	Rotate				11956.00	7.07	285.36	11943.73	-207.44	-219.30	200.38	0.39	-0.00	0.00	55.00	40.00	650.00	14.10/9.20	128.18	3250.00	2900.00	350.00	178.00	390.00	360.00	350.00	
06/18/2025	21:34	22:17	0.72	12014.00	12109.00	95.00	Rotate				12051.00	7.05	286.80	12038.01	-204.21	-230.52	211.84	0.19	0.00	0.00	55.00	40.00	650.00	14.10/9.20	132.56	3250.00	2900.00	350.00	178.00	390.00	360.00	350.00	
06/18/2025	22:23	23:09	0.77	12109.00	12204.00	95.00	Rotate				12146.00	7.07	288.29	12132.29	-200.69	-241.65	223.24	0.19	-0.00	0.00	55.00	40.00	650.00	14.10/9.20	123.91	3250.00	2900.00	350.00	178.00	390.00	360.00	350.00	
06/18/2025	23:14	24:00	0.77	12204.00	12299.00	95.00	Rotate				12241.00	6.97	291.28	12226.58	-196.76	-252.57	234.46	0.40	0.00	0.00	55.00	40.00	650.00	14.10/9.20	126.67	3250.00	2900.00	350.00	178.00	390.00	360.00	350.00	
06/19/2025	00:10	00:32	0.37	12299.00	12315.00	16.00	Slide	175.00	0.00	12.40											55.00		650.00	14.10/9.20	43.64	3250.00	2900.00	350.00	178.00	390.00	360.00	350.00	
06/19/2025	00:32	01:18	0.77	12315.00	12394.00	79.00	Rotate				12336.00	7.27	275.34	12320.86	-194.11	-263.93	246.01	2.10	-0.00	0.00	55.00	40.00	650.00	14.10/9.20	103.04	3250.00	2900.00	350.00	178.00	390.00	360.00	350.00	
06/19/2025	01:24	02:19	0.92	12394.00	12489.00	95.00	Rotate				12431.00	7.14	274.65	12415.11	-193.07	-275.80	257.92	0.16	-0.00	0.00	55.00	40.00	650.00	14.10/9.20	103.64	3250.00	2900.00	350.00	178.00	415.00	370.00	350.00	
06/19/2025	02:27	03:19	0.87	12489.00	12584.00	95.00	Rotate				12526.00	6.85	276.13	12509.40	-191.99	-287.32	269.49	0.36	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	109.62	3250.00	2900.00	350.00	181.00	415.00	370.00	350.00	
06/19/2025	03:24	04:14	0.83	12584.00	12678.00	94.00	Rotate				12620.00	6.73	276.63	12602.74	-190.75	-298.36	280.60	0.14	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	112.80	3250.00	2900.00	350.00	181.00	415.00	370.00	350.00	
06/19/2025	04:22	05:14	0.87	12678.00	12773.00	95.00	Rotate				12715.00	6.61	276.05	12697.10	-189.53	-309.33	291.63	0.14	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	109.62	3250.00	2900.00	350.00	181.00	415.00	370.00	350.00	
06/19/2025	05:39	06:39	1.00	12773.00	12868.00	95.00	Rotate				12810.00	6.54	277.17	12791.47	-188.28	-320.13	302.50	0.15	-0.00	0.00	58.00	40.00	650.00	15.20/9.20	95.00	3150.00	2800.00	350.00	183.00	415.00	370.00	350.00	
06/19/2025	06:44	07:51	1.12	12868.00	12963.00	95.00	Rotate				12905.00	6.29	275.16	12885.88	-187.14	-330.68	313.11	0.35	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	85.07	3250.00	2900.00	350.00	183.00	415.00	370.00	350.00	
06/19/2025	07:56	09:02	1.10	12963.00	13057.00	94.00	Rotate				12999.00	6.19	274.57	12979.32	-186.27	-340.86	323.33	0.13	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	85.45	3250.00	2900.00	350.00	183.00	415.00	370.00	350.00	
06/19/2025	09:37	10:45	1.13	13057.00	13152.00	95.00	Rotate				13094.00	6.12	275.35	13073.77	-185.39	-351.01	333.52	0.11	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	83.82	3250.00	2900.00	350.00	186.00	415.00	370.00	350.00	
06/19/2025	10:50	11:57	1.12	13152.00	13247.00	95.00	Rotate				13189.00	5.98	277.54	13168.24	-184.27	-360.96	343.52	0.28	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	85.07	3250.00	2900.00	350.00	186.00	415.00	370.00	350.00	
06/19/2025	12:02	12:07	0.08	13247.00	13257.00	10.00	Rotate														55.00	40.00	650.00	15.20/9.20	120.00	3250.00	2900.00	350.00	186.00	415.00	370.00	350.00	
06/19/2025	12:07	12:47	0.67	13257.00	13270.00	13.00	Slide	195.00	0.00												55.00	40.00	650.00	15.20/9.20	19.50	3250.00	2900.00	350.00	186.00	415.00	370.00	350.00	
06/19/2025	12:47	13:12	0.42	13270.00	13284.00	14.00	Rotate				13284.00	6.34	279.98	13262.70	-182.71	-371.03	353.69	0.47	-0.00	0.00	55.00	40.00	650.00	15.20/9.20	33.60	3250.00	2900.00	350.00	186.00	415.00	370.00	350.00	

8.5 Production BHA- Quantum - Slide Sheet

8.5 Production BHA- Quantum - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 15: 8.5 Production BHA- Quantum	BHA #:	15	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	1135.00
Site	Glade 3N-66W-02 Pad	Survey Offset	58.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	1048.00 (92.33%)
Well Name	Glade East - OH	Gamma Offset	54.37	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	87.00 (7.67%)

Drilling Data											Survey Data										Parameters										Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
06/20/2025	12:09	12:38	0.48	13284.00	13342.00	58.00	Rotate				13284.00	6.34	279.98	13262.70	-182.71	-371.03	353.69	0.47	-0.00	0.00	55.00	40.00	650.00	15.20/9.50	120.00	3265.00	2950.00	315.00	240.00	415.00	400.00	385.00	
06/20/2025	12:43	13:21	0.63	13342.00	13437.00	95.00	Rotate				13379.00	6.27	283.34	13357.12	-180.60	-381.24	364.05	0.40	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	150.00	3265.00	2950.00	315.00	217.00	415.00	400.00	385.00	
06/20/2025	13:26	13:32	0.10	13437.00	13447.00	10.00	Rotate														60.00	40.00	650.00	15.20/9.50	100.00	3265.00	2950.00	315.00	217.00	415.00	400.00	385.00	
06/20/2025	13:32	13:54	0.37	13447.00	13465.00	18.00	Slide	200.00	0.00	6.00											60.00		650.00	0.00/9.50	49.09	3265.00	2950.00	315.00	217.00	415.00	400.00	385.00	
06/20/2025	13:54	14:20	0.43	13465.00	13532.00	67.00	Rotate				13474.00	7.14	277.86	13451.47	-178.60	-392.14	375.08	1.14	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	154.62	3265.00	2950.00	315.00	217.00	415.00	400.00	385.00	
06/20/2025	14:25	15:07	0.70	13532.00	13626.00	94.00	Rotate				13568.00	6.69	279.05	13544.79	-176.94	-403.33	386.38	0.50	-0.00	0.00	60.00	40.00	700.00	15.20/9.50	134.29	3600.00	3250.00	350.00	208.00	415.00	400.00	385.00	
06/20/2025	15:13	15:45	0.53	13626.00	13651.00	25.00	Slide	180.00	0.00	6.05											60.00		700.00	0.00/9.50	46.88	3600.00	3250.00	350.00	208.00	415.00	400.00	385.00	
06/20/2025	15:45	16:15	0.50	13651.00	13721.00	70.00	Rotate				13663.00	7.18	267.17	13639.10	-176.36	-414.73	397.78	1.59	-0.00	0.00	60.00	40.00	700.00	15.20/9.50	140.00	3600.00	3250.00	350.00	204.00	415.00	400.00	385.00	
06/20/2025	16:20	17:03	0.72	13721.00	13816.00	95.00	Rotate				13758.00	6.87	268.55	13733.38	-176.80	-426.34	409.31	0.37	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	132.56	3265.00	2950.00	315.00	204.00	415.00	400.00	385.00	
06/20/2025	17:08	17:47	0.65	13816.00	13911.00	95.00	Rotate				13853.00	6.06	273.70	13827.78	-176.62	-437.02	419.97	1.05	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	146.15	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	17:53	18:12	0.32	13911.00	13950.00	39.00	Rotate				13947.00	5.76	276.93	13921.28	-175.73	-446.66	429.64	0.48	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	123.16	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	18:53	19:18	0.42	13950.00	14005.00	55.00	Rotate														60.00	40.00	650.00	15.20/9.50	132.00	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	19:30	20:06	0.60	14005.00	14026.00	21.00	Slide	210.00	0.00	6.10												40.00	650.00	15.20/9.50	35.00	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	20:06	20:45	0.65	14026.00	14100.00	74.00	Rotate				14042.00	6.76	269.45	14015.71	-175.21	-456.98	439.97	1.36	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	113.85	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	20:51	21:37	0.77	14100.00	14195.00	95.00	Rotate				14137.00	6.31	274.16	14110.10	-174.88	-467.78	450.76	0.74	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	123.91	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	21:48	22:33	0.75	14195.00	14290.00	95.00	Rotate				14232.00	6.13	276.24	14204.54	-173.95	-478.03	461.05	0.30	-0.00	0.00	60.00	40.00	650.00	17.00/9.50	126.67	3300.00	2950.00	350.00	208.00	465.00	410.00	390.00	
06/20/2025	22:44	23:14	0.50	14290.00	14313.00	23.00	Slide	210.00	0.00													40.00	650.00	15.20/9.50	46.00	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	23:14	23:49	0.58	14313.00	14385.00	72.00	Rotate				14327.00	7.20	268.41	14298.90	-173.57	-489.02	472.03	1.48	-0.00	0.00	60.00	40.00	650.00	15.20/9.50	123.43	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/20/2025	23:55	24:00	0.08	14385.00	14396.00	11.00	Rotate														60.00	40.00	650.00	15.20/9.50	165.00	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	
06/21/2025	00:00	00:15	0.25	14396.00	14419.00	23.00	Rotate														60.00	40.00	650.00	15.20/9.50	92.00	3265.00	2950.00	315.00	208.00	415.00	400.00	385.00	

8.5 Production BHA- Quantum - Slide Sheet

8.5 Production BHA- Quantum - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 16: 8.5 Production BHA- Quantum	BHA #:	16	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	1655.00
Site	Glade 3N-66W-02 Pad	Survey Offset	64.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	1352.00 (81.69%)
Well Name	Glade East - OH	Gamma Offset	60.30	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	303.00 (18.31%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
06/22/2025	00:00	00:30	0.50	14419.00	14485.00	66.00	Rotate				14421.00	6.61	275.00	14392.22	-173.26	-500.30	483.30	1.05	-0.00	0.00	56.00	40.00	650.00	16.50/11.50	132.00	3300.00	2800.00	500.00	266.00	475.00	425.00	390.00	
06/22/2025	00:39	01:18	0.65	14485.00	14580.00	95.00	Rotate				14516.00	6.06	284.12	14486.64	-171.56	-510.61	493.72	1.21	-0.00	0.00	56.00	40.00	650.00	16.50/11.50	146.15	3300.00	2800.00	500.00	224.00	475.00	425.00	390.00	
06/22/2025	01:28	01:56	0.47	14580.00	14605.00	25.00	Slide	200.00	0.00	1.60											56.00		650.00	16.50/11.50	53.57	3300.00	2800.00	500.00	217.00	475.00	425.00	390.00	
06/22/2025	01:56	02:31	0.58	14605.00	14675.00	70.00	Rotate				14611.00	5.93	287.67	14581.12	-168.85	-520.15	503.45	0.41	-0.00	0.00	56.00	40.00	650.00	16.50/11.50	120.00	3300.00	2800.00	500.00	216.00	475.00	425.00	390.00	
06/22/2025	02:37	02:46	0.15	14675.00	14681.00	6.00	Rotate														56.00	40.00	650.00	16.50/11.50	40.00	3300.00	2800.00	500.00	216.00	475.00	425.00	390.00	
06/22/2025	02:46	03:13	0.45	14681.00	14706.00	25.00	Slide	230.00	0.00	2.90	14706.00	6.54	291.45	14675.56	-165.38	-529.86	513.43	0.77	-0.00	0.00	56.00		650.00	16.50/11.50	55.56	3300.00	2800.00	500.00	215.00	475.00	425.00	390.00	
06/22/2025	03:13	03:47	0.57	14706.00	14770.00	64.00	Rotate				14706.00	6.54	291.45	14675.56	-165.38	-529.86	513.43	0.77	-0.00	0.00	56.00		650.00	16.50/11.50	112.94	3300.00	2800.00	500.00	212.00	475.00	425.00	390.00	
06/22/2025	03:59	04:13	0.23	14770.00	14800.00	30.00	Slide	200.00	0.00	2.71	14800.00	7.00	285.76	14768.90	-161.87	-540.36	524.19	0.86	-0.00	0.00	56.00		650.00	16.50/11.50	128.57	3300.00	2800.00	500.00	208.00	475.00	425.00	390.00	
06/22/2025	04:31	05:12	0.68	14800.00	14864.00	64.00	Rotate				14800.00	7.00	285.76	14768.90	-161.87	-540.36	524.19	0.86	-0.00	0.00	56.00	40.00	650.00	16.50/11.50	93.66	3300.00	2800.00	500.00	208.00	475.00	425.00	390.00	
06/22/2025	05:24	05:58	0.57	14864.00	14894.00	30.00	Slide	195.00	0.00	1.58											56.00		650.00	16.50/11.50	52.94	3300.00	2800.00	500.00	208.00	475.00	425.00	390.00	
06/22/2025	05:58	06:39	0.68	14894.00	14960.00	66.00	Rotate				14896.00	7.39	283.60	14864.15	-158.82	-551.99	536.04	0.49	-0.00	0.00	56.00	40.00	650.00	17.10/11.50	96.59	3175.00	2800.00	375.00	206.00	475.00	427.00	390.00	
06/22/2025	06:50	07:54	1.07	14960.00	15054.00	94.00	Rotate				14990.00	7.58	285.77	14957.35	-155.72	-563.83	548.11	0.36	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	88.13	2850.00	2500.00	350.00	195.00	488.00	443.00	414.00	14959 No Returns
06/22/2025	08:00	08:36	0.60	15054.00	15104.00	50.00	Rotate				15085.00	8.19	286.42	15051.45	-152.10	-576.35	560.90	0.65	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	83.33	2850.00	2500.00	350.00	195.00	488.00	443.00	414.00	
06/22/2025	08:50	09:40	0.83	15104.00	15149.00	45.00	Rotate														56.00	40.00	650.00	18.50/12.50	54.00	2900.00	2550.00	350.00	195.00	488.00	443.00	414.00	PARTIAL RETURNS
06/22/2025	12:04	12:07	0.05	15149.00	15158.00	9.00	Rotate														56.00	40.00	650.00	18.50/12.50	180.00	2900.00	2550.00	350.00	195.00	488.00	443.00	414.00	
06/22/2025	12:07	12:50	0.72	15158.00	15188.00	30.00	Slide	165.00	0.00	6.20	15180.00	9.20	280.62	15145.36	-148.79	-590.31	575.09	1.41	-0.00	0.00	56.00		650.00	18.50/12.50	41.86	2900.00	2550.00	350.00	192.00	488.00	443.00	414.00	
06/22/2025	12:50	13:41	0.85	15188.00	15244.00	56.00	Rotate														56.00	40.00	650.00	18.50/12.50	65.88	2900.00	2550.00	350.00	156.00	488.00	443.00	414.00	
06/22/2025	13:46	14:22	0.60	15244.00	15264.00	20.00	Slide	115.00	0.00	1.15											56.00		650.00	18.50/12.50	33.33	2900.00	2550.00	350.00	156.00	488.00	443.00	414.00	
06/22/2025	14:22	15:26	1.07	15264.00	15339.00	75.00	Rotate				15275.00	8.90	279.60	15239.17	-146.17	-605.02	589.97	0.36	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	70.31	2980.00	2700.00	280.00	156.00	488.00	443.00	414.00	
06/22/2025	15:33	16:22	0.82	15339.00	15369.00	30.00	Slide	115.00	0.00	2.58											56.00		650.00	18.50/12.50	36.73	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	16:22	17:12	0.83	15369.00	15434.00	65.00	Rotate				15370.00	8.87	274.72	15333.03	-144.34	-619.56	604.62	0.79	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	78.00	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	17:17	18:01	0.73	15434.00	15464.00	30.00	Slide	90.00	0.00	2.58	15464.00	8.48	271.07	15425.96	-143.61	-633.71	618.79	0.72	-0.00	0.00	56.00		650.00	18.50/12.50	40.91	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	18:01	18:56	0.92	15464.00	15528.00	64.00	Rotate				15464.00	8.48	271.07	15425.96	-143.61	-633.71	618.79	0.72	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	69.82	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	19:10	19:50	0.67	15528.00	15558.00	30.00	Slide	80.00	0.00	1.56											56.00		650.00	18.50/12.50	45.00	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	19:50	20:38	0.80	15558.00	15623.00	65.00	Rotate				15559.00	8.03	270.21	15519.98	-143.46	-647.35	632.39	0.49	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	81.25	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	20:50	21:31	0.68	15623.00	15653.00	30.00	Slide	105.00	0.00	4.78											56.00		650.00	18.50/12.50	43.90	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	21:31	22:18	0.78	15653.00	15718.00	65.00	Rotate				15654.00	6.77	264.85	15614.18	-143.93	-659.57	644.51	1.51	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	82.98	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	22:29	23:36	1.12	15718.00	15813.00	95.00	Rotate				15749.00	6.45	265.34	15708.55	-144.87	-670.46	655.28	0.34	-0.00	0.00	56.00	40.00	650.00	18.50/12.50	85.07	2980.00	2700.00	280.00	158.00	488.00	443.00	414.00	
06/22/2025	23:47	24:00	0.22	15813.00	15834.00	21.00	Rotate														56.00	40.00	650.00	21.00/12.50	105.00	2980.00	2700.00	280.00	162.00	488.00	443.00	414.00	
06/23/2025	00:00	00:54	0.90	15834.00	15908.00	74.00	Rotate				15844.00	6.87	263.99	15802.91	-145.90	-681.43	666.12	0.47	-0.00	0.00	56.00	40.00	650.00	21.00/12.50	82.22	3150.00	2800.00	350.00	162.00	488.00	443.00	414.00	
06/23/2025	01:05	01:33	0.47	15908.00	15931.00	23.00	Slide	55.00	0.00	2.18											56.00		650.00	21.00/12.50	49.29	3150.00	2800.00	350.00	162.00	488.00	443.00	414.00	
06/23/2025	01:33	01:56	0.38	15931.00	15969.00	38.00	Rotate				15938.00	6.37	264.48	15896.28	-146.99	-692.21	676.77	0.54	-0.00	0.00	56.00	40.00	650.00	21.00/12.50	99.13	3150.00	2800.00	350.00	162.00	488.00	443.00	414.00	
06/23/2025	02:31	02:52	0.35	15969.00	16002.00	33.00	Rotate														50.00	40.00	650.00	23.00/12.50	94.29	2900.00	2500.00	400.00	145.00	550.00	471.00	450.00	Weights and pressure change possible change going thru cavern
06/23/2025	03:13	04:09	0.93	16002.00	16074.00	72.00	Rotate				16008.00	6.65	262.11	15965.83	-147.92	-700.09	684.53	0.55	0.17	-0.17	57.00	40.00	650.00	22.00/12.50	77.14	2850.00	2670.00	180.00	136.00	550.00	471.00	450.00	

8.5 Production BHA- Halliburton - Slide Sheet

8.5 Production BHA- Halliburton - Slide Sheet

Operator	Occidental Petroleum_Rockies	BHA	BHA# 17: 8.5 Production BHA- Halliburton	BHA #:	17	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	1240.00
Site	Glade 3N-66W-02 Pad	Survey Offset	80.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	1167.00 (94.11%)
Well Name	Glade East - OH	Gamma Offset	70.71	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	73.00 (5.89%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
06/24/2025	09:48	09:53	0.08	16074.00	16088.00	14.00	Rotate														50.00	40.00	650.00	25.20/20.00	168.00	3304.00	2850.00	454.00	143.00	515.00	477.00	460.00	
06/24/2025	09:58	10:46	0.80	16088.00	16183.00	95.00	Rotate														50.00	40.00	650.00	25.20/20.00	118.75	3304.00	2850.00	454.00	143.00	515.00	477.00	460.00	
06/24/2025	11:06	11:48	0.70	16183.00	16278.00	95.00	Rotate				16198.00	7.39	250.53	16154.42	-153.50	-722.51	706.38	0.84	2.98	-5.33	50.00	40.00	650.00	25.20/20.00	135.71	3304.00	2850.00	454.00	143.00	515.00	477.00	460.00	
06/24/2025	12:02	12:27	0.42	16278.00	16298.00	20.00	Slide	155.00	0.00	9.46	16293.00	6.34	258.55	16248.74	-156.58	-733.41	716.97	1.49	4.68	-8.78			650.00	25.20/20.00	48.00	3304.00	2850.00	454.00	134.00	515.00	477.00	460.00	
06/24/2025	12:27	13:10	0.72	16298.00	16373.00	75.00	Rotate														50.00	40.00	650.00	25.20/20.00	104.65	3304.00	2850.00	454.00	134.00	515.00	477.00	460.00	
06/24/2025	13:22	14:23	1.02	16373.00	16468.00	95.00	Rotate				16388.00	6.24	262.85	16343.16	-158.26	-743.68	727.05	0.51	5.78	-10.82	55.00	55.00	650.00	25.20/20.00	93.44	3275.00	3000.00	275.00	134.00	515.00	477.00	460.00	
06/24/2025	14:36	14:47	0.18	16468.00	16481.00	13.00	Slide	135.00	0.00	9.70											55.00		650.00	25.20/20.00	70.91	3275.00	3000.00	275.00	134.00	515.00	477.00	460.00	
06/24/2025	14:47	15:42	0.92	16481.00	16563.00	82.00	Rotate				16483.00	5.34	271.57	16437.68	-158.79	-753.22	736.51	1.32	6.19	-11.68	55.00	55.00	650.00	25.20/20.00	89.45	3275.00	3000.00	275.00	134.00	515.00	477.00	460.00	
06/24/2025	17:43	18:50	1.12	16563.00	16658.00	95.00	Rotate				16578.00	4.57	279.48	16532.33	-158.04	-761.37	744.70	1.08	5.26	-11.22	55.00	55.00	650.00	25.20/20.00	85.07	3275.00	3000.00	275.00	134.00	515.00	477.00	460.00	
06/24/2025	19:00	20:15	1.25	16658.00	16730.00	72.00	Rotate				16672.00	4.09	280.31	16626.06	-156.82	-768.36	751.77	0.51	3.27	-10.25	55.00	35.00	650.00	25.20/20.00	57.60	3275.00	3000.00	275.00	134.00	515.00	477.00	460.00	
06/24/2025	20:52	21:12	0.33	16730.00	16752.00	22.00	Rotate														55.00	35.00	675.00	25.20/20.00	66.00	3465.00	3150.00	315.00	172.00	515.00	477.00	460.00	
06/24/2025	21:28	22:02	0.57	16752.00	16770.00	18.00	Slide	-30.00	0.00		16767.00	4.75	280.55	16720.77	-155.50	-775.56	759.06	0.70	1.40	-9.17	55.00		675.00	25.20/20.00	31.76	3465.00	3150.00	315.00	172.00	515.00	477.00	460.00	
06/24/2025	22:02	23:00	0.97	16770.00	16847.00	77.00	Rotate														55.00	30.00	675.00	25.20/20.00	79.66	3465.00	3150.00	315.00	172.00	515.00	477.00	460.00	
06/24/2025	23:07	24:00	0.88	16847.00	16910.00	63.00	Rotate				16862.00	3.64	289.72	16815.52	-153.76	-782.27	765.89	1.36	-0.95	-7.67	55.00	30.00	675.00	25.20/20.00	72.69	3465.00	3150.00	315.00	172.00	515.00	477.00	460.00	
06/25/2025	00:00	00:25	0.42	16910.00	16942.00	32.00	Rotate														55.00	30.00	675.00	25.20/20.00	76.80	3465.00	3150.00	315.00	172.00	550.00	480.00	420.00	
06/25/2025	00:42	01:20	0.63	16942.00	16964.00	22.00	Slide	-30.00	0.00		16957.00	5.16	296.05	16910.24	-150.87	-788.94	772.79	1.68	-3.28	-5.01	50.00		675.00	25.20/20.00	34.74	3400.00	3200.00	200.00	172.00	550.00	480.00	420.00	
06/25/2025	01:20	02:22	1.03	16964.00	17037.00	73.00	Rotate														55.00	30.00	675.00	25.20/20.00	70.65	3500.00	3200.00	300.00	172.00	550.00	480.00	420.00	
06/25/2025	03:57	04:57	1.00	17037.00	17115.00	78.00	Rotate				17052.00	5.37	298.23	17004.84	-146.89	-796.70	780.87	0.31	-4.50	-1.31	55.00	30.00	675.00	25.20/20.00	78.00	3465.00	3200.00	265.00	172.00	550.00	480.00	420.00	
06/25/2025	05:53	06:04	0.18	17115.00	17132.00	17.00	Rotate														55.00	30.00	675.00	25.20/20.00	92.73	3465.00	3200.00	265.00	172.00	550.00	480.00	420.00	
06/25/2025	06:16	07:25	1.15	17132.00	17227.00	95.00	Rotate				17147.00	5.31	308.87	17099.43	-142.03	-804.04	788.60	1.04	-6.09	3.30	55.00	30.00	675.00	25.20/20.00	82.61	3465.00	3200.00	265.00	158.00	550.00	480.00	420.00	
06/25/2025	07:32	08:42	1.17	17227.00	17314.00	87.00	Rotate				17261.00	5.02	317.93	17212.97	-135.01	-811.49	796.63	0.76	-8.66	10.57	55.00	30.00	675.00	25.20/20.00	74.57	3465.00	3200.00	265.00	172.00	550.00	480.00	420.00	

8.5 Production BHA- Halliburton - Slide Sheet

SCOUT DRILLING TECHNOLOGIES — A Business Unit of Turbo Drill Industries, Inc.	8.5 Production BHA- Halliburton - Slide Sheet	OXY

Operator	Occidental Petroleum_Rockies	BHA	BHA# 18: 8.5 Production BHA- Halliburton	BHA #:	18	RKB:	4928.00	North Reference:	TRUE	Total Drilled:	120.00
Site	Glade 3N-66W-02 Pad	Survey Offset	78.00	BHA Type:	Motor	Units:	Us Feet	Declination:	7.59	Rotate :	120.00 (100.00%)
Well Name	Glade East - OH	Gamma Offset	68.38	Bit Type:	PDC	Grid Conv:	0.17	VS Azimuth:	275.00	Slide:	0.00 (0.00%)

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq On/Off	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
06/27/2025	06:29	06:36	0.12	17314.00	17339.00	25.00	Rotate														50.00	40.00	650.00	25.00/21.00	214.29	3160.00	2450.00	710.00	206.00	540.00	510.00	475.00	100% Losses
06/27/2025	07:00	07:44	0.73	17339.00	17434.00	95.00	Rotate				17379.00	5.00	325.00	17330.52	-126.97	-817.90	803.72	0.52	0.62	18.29	50.00	40.00	650.00	25.00/21.00	129.55	3160.00	2450.00	710.00	206.00	540.00	510.00	475.00	

Innovative Drilling Solutions
Data-Driven Decision

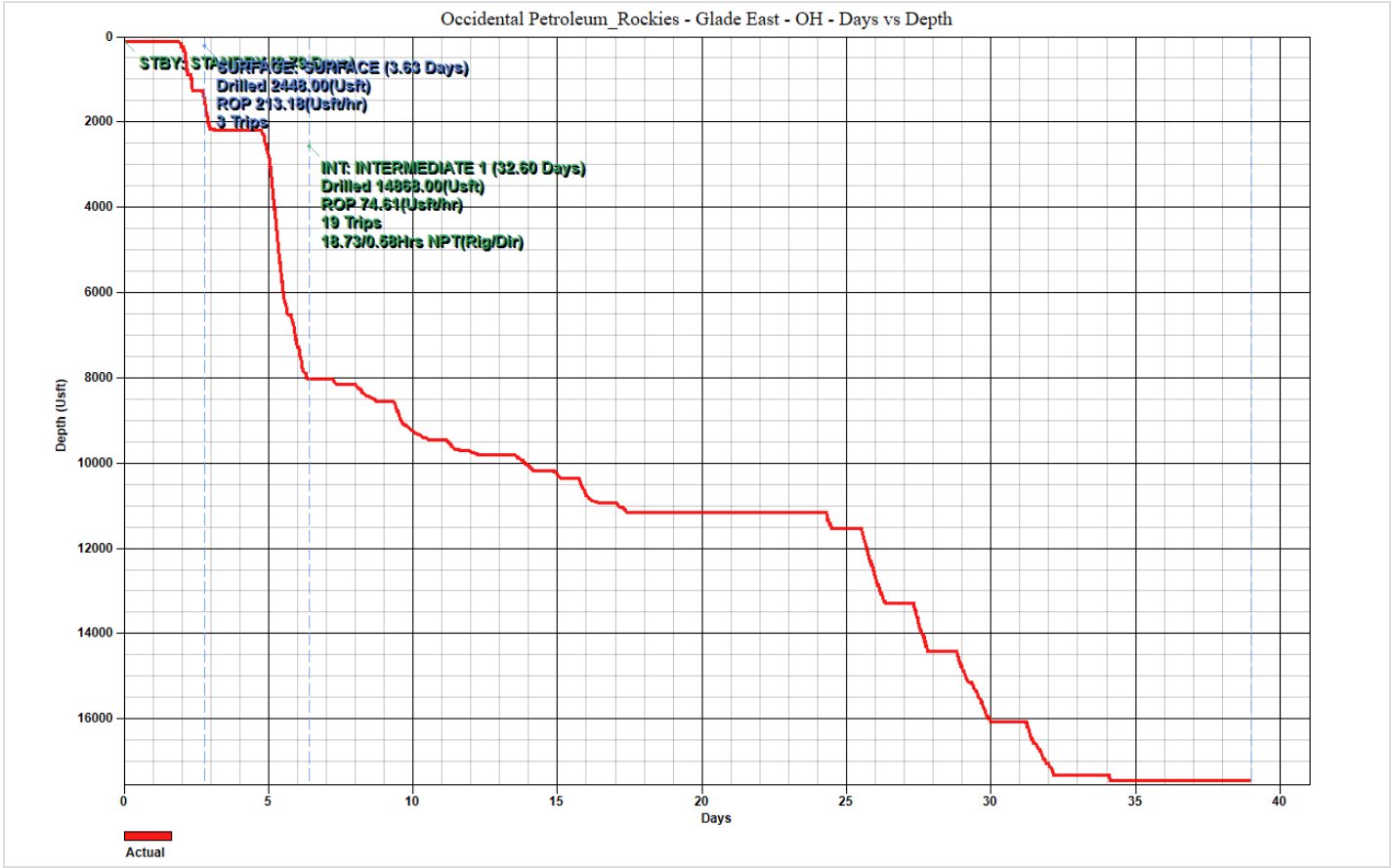
SCOUT DRILLING TECHNOLOGIES

JOB CHARTS – SUMMARY

Scout Drilling Technologies
1125 Beach Airport Road, Conroe, Texas 77301
Office: 936-756-3210
www.scoutdrilltech.com

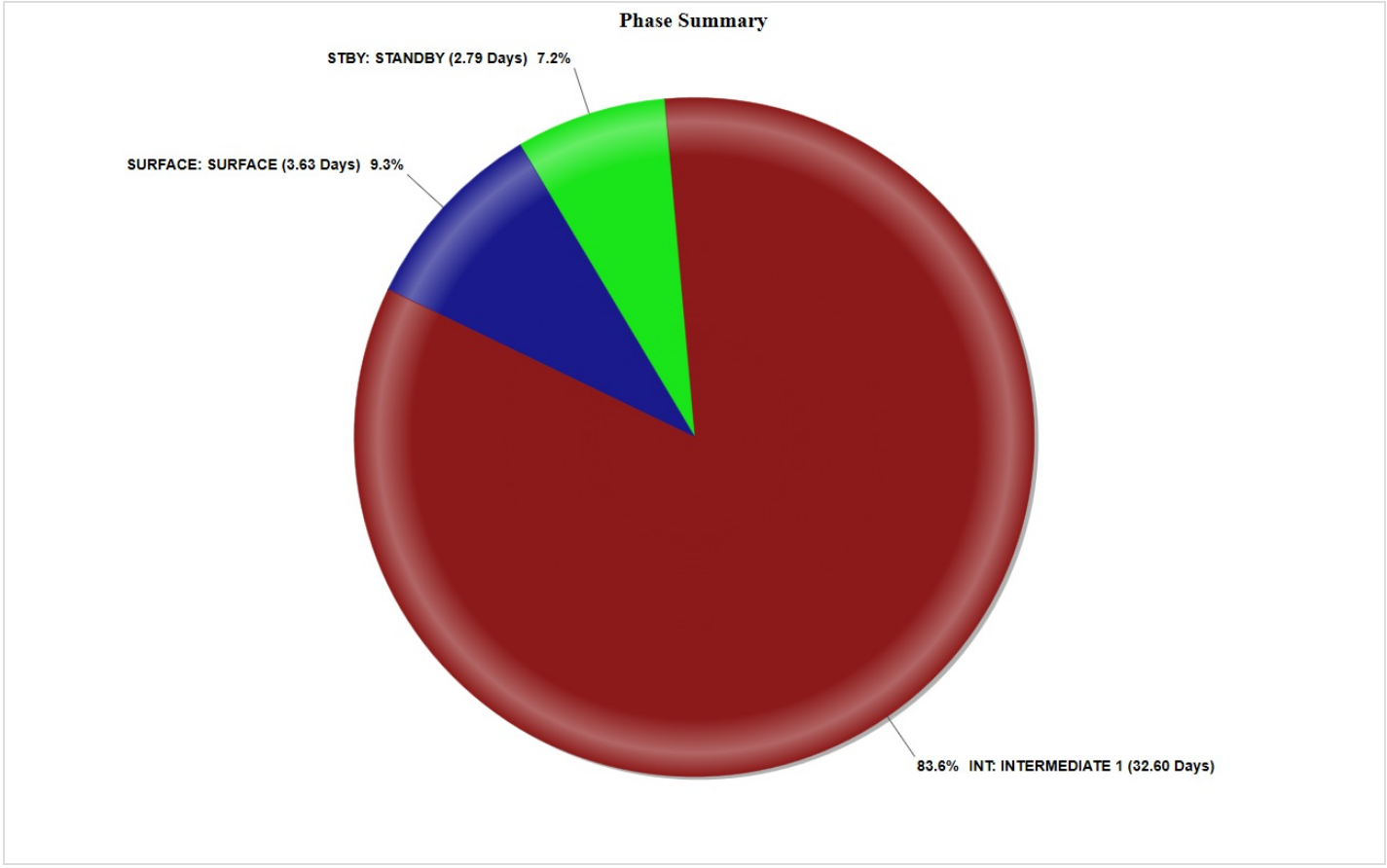
Depth V Time

Glade East - OH - Depth V Time

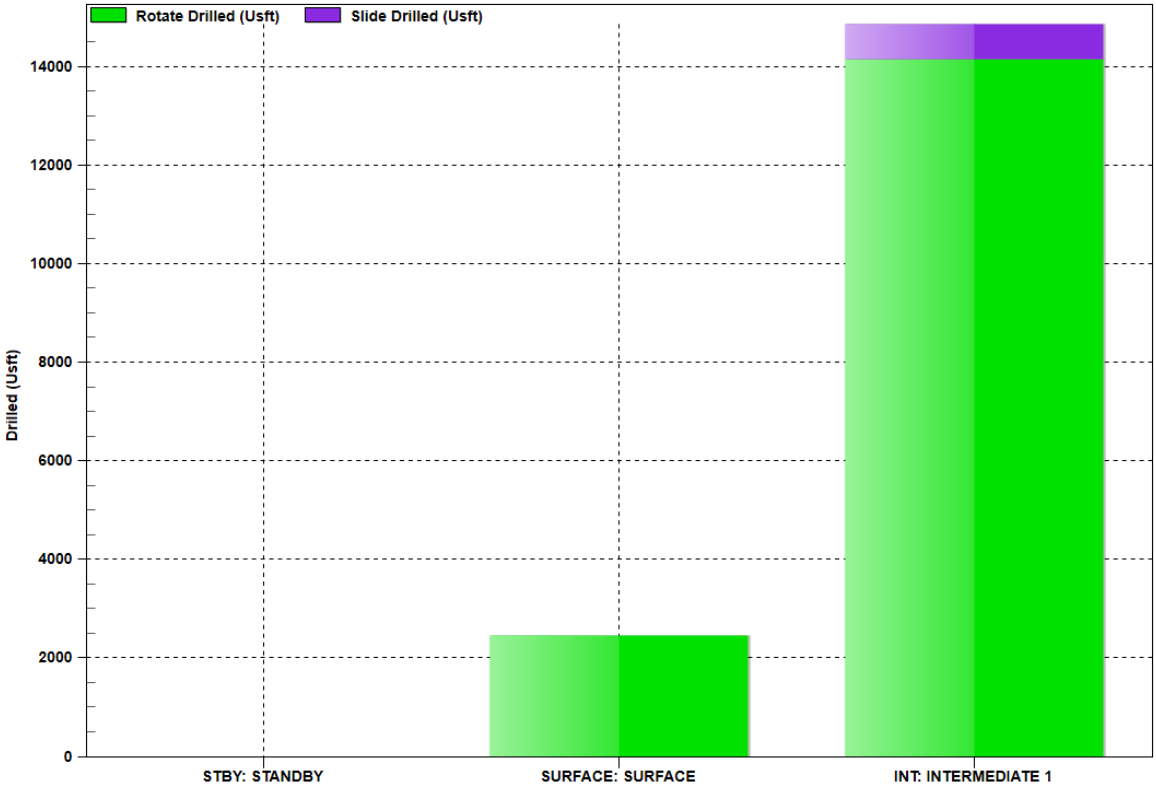


Phase Summary

Glade East - OH - Phase Summary



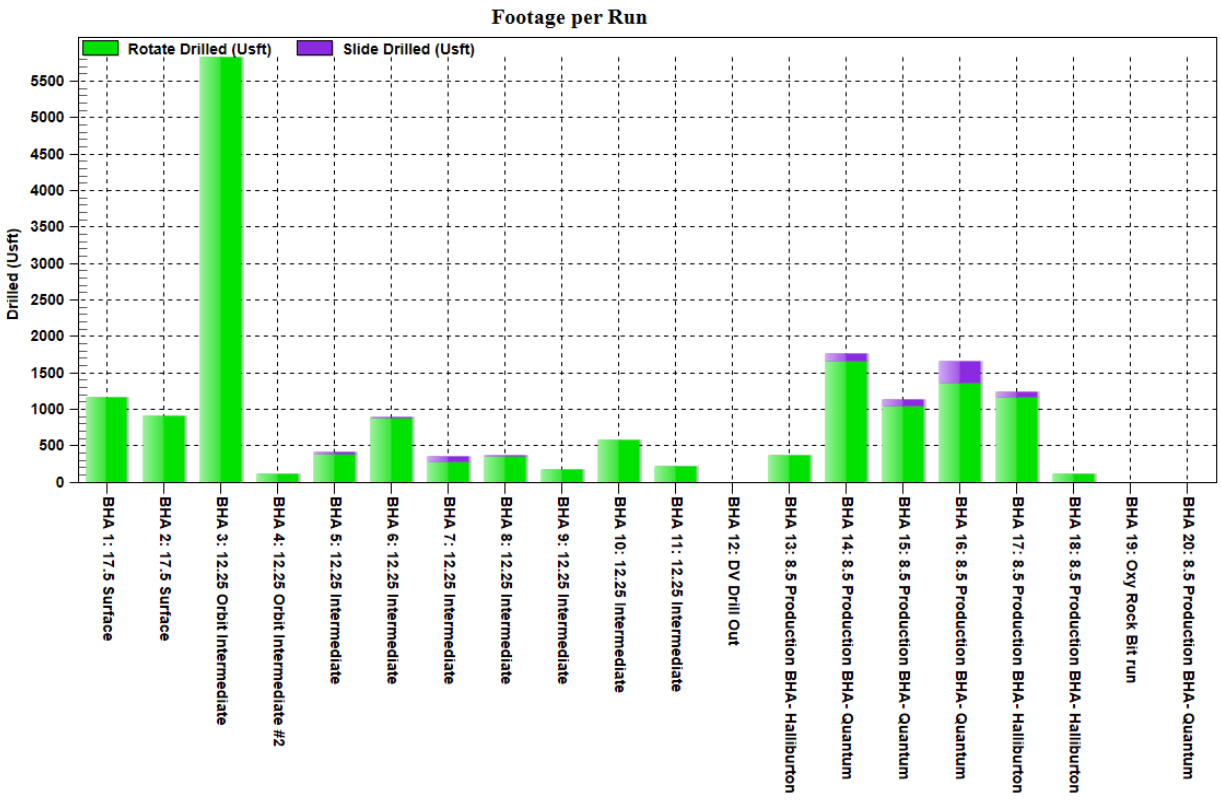
Footage per Phase



	STBY: STANDBY	SURFACE: SURFACE	INT: INTERMEDIATE 1
Rotate Drilled (Usft)	0.0	2458.0	14155.0
Slide Drilled (Usft)	0.0	0.0	713.0

Footage Per Run

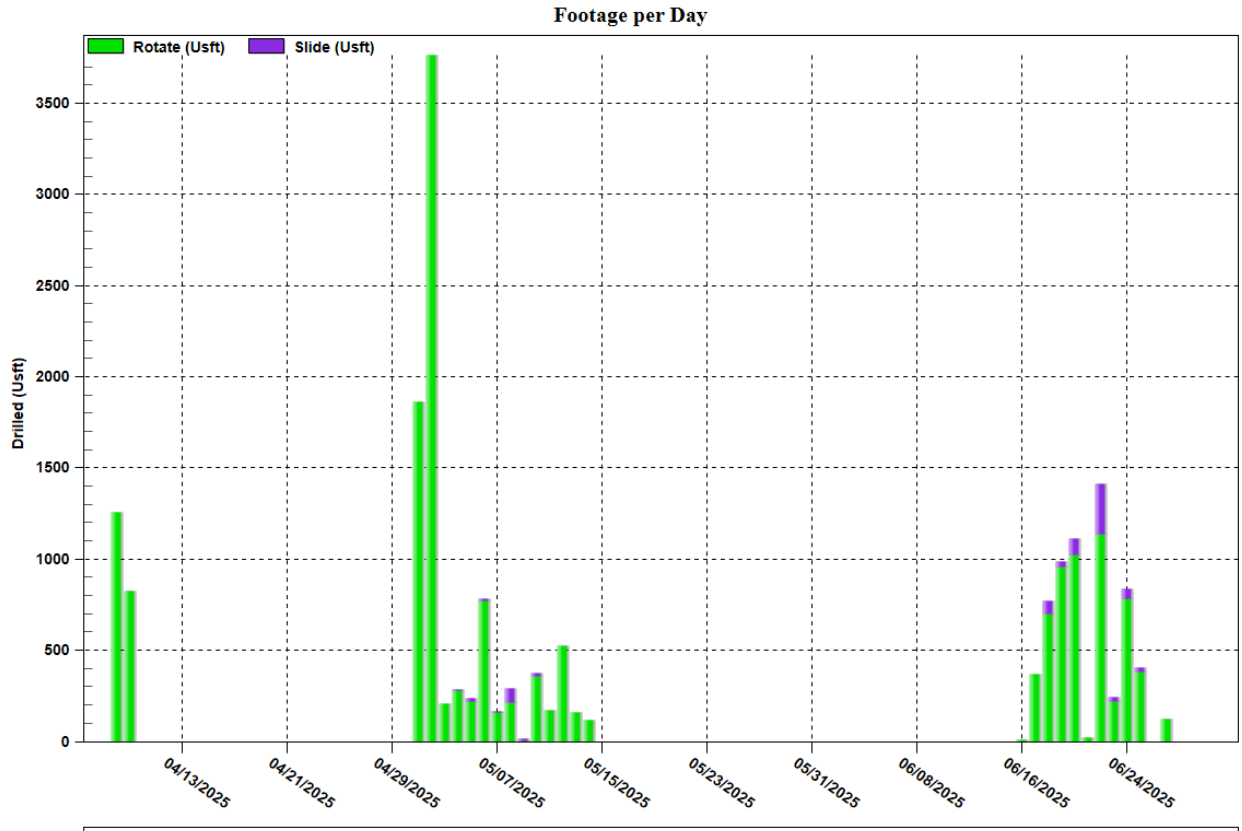
Glade East - OH - Footage Per Run



	BHA 1: 17.5 Surface	BHA 2: 17.5 Surface	BHA 3: 12.25 Orbit Intermediate	BHA 4: 12.25 Orbit Intermediate #2	BHA 5: 12.25 Intermediate	BHA 6: 12.25 Intermediate	BHA 7: 12.25 Intermediate	BHA 8: 12.25 Intermediate	BHA 9: 12.25 Intermediate	BHA 10: 12.25 Intermediate	BHA 11: 12.25 Intermediate	BHA 12: DV Drill Out	BHA 13: 8.5 Production BHA- Halliburton	BHA 14: 8.5 Production BHA- Quantum	BHA 15: 8.5 Production BHA- Quantum	BHA 16: 8.5 Production BHA- Quantum	BHA 17: 8.5 Production BHA- Halliburton	BHA 18: 8.5 Production BHA- Halliburton	BHA 19: Oxy Rock Bit run	BHA 20: 8.5 Production BHA- Quantum
Rotate Drilled (Usft)	1168.0	913.0	5837.0	115.0	381.0	880.0	271.0	358.0	173.0	578.0	220.0	0.0	367.0	1655.0	1048.0	1352.0	1167.0	120.0	0.0	0.0
Slide Drilled (Usft)	0.0	0.0	0.0	0.0	29.0	16.0	87.0	16.0	0.0	0.0	0.0	0.0	0.0	102.0	87.0	303.0	73.0	0.0	0.0	0.0

Footage Per Day

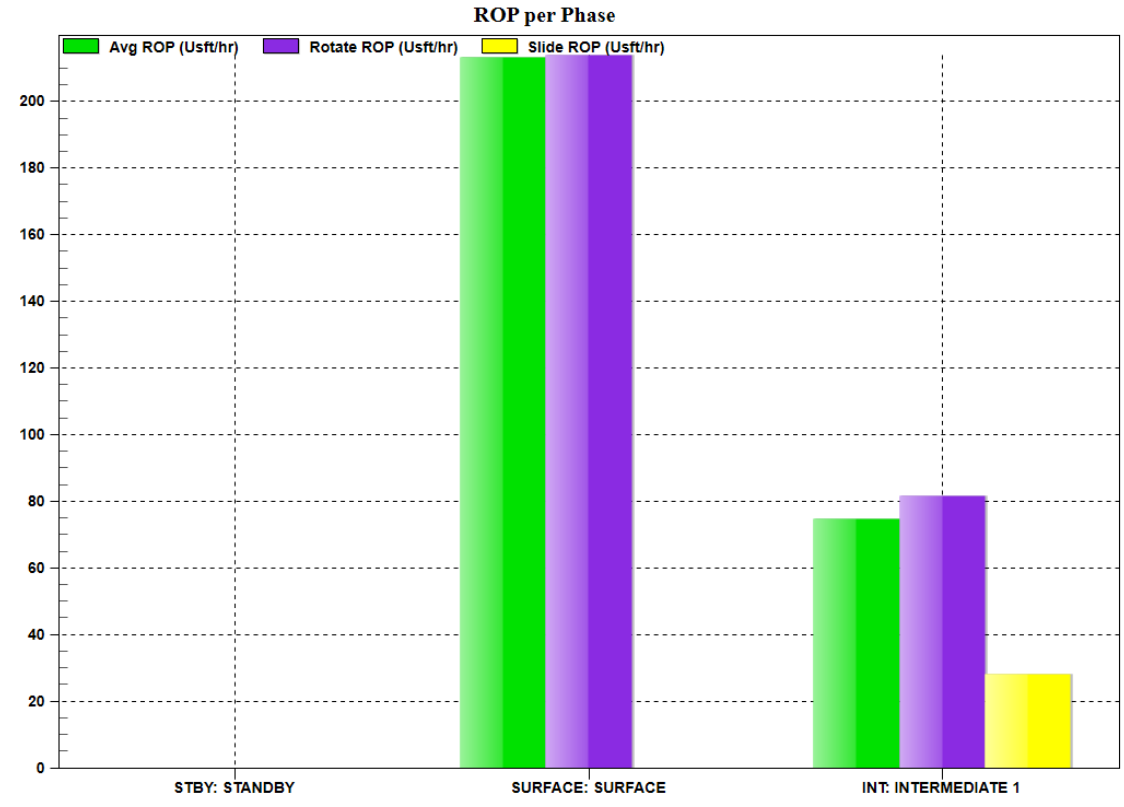
Glade East - OH - Footage Per Day



Rotate (Usft)	0.0	0.0	0.0	158.0	0.0	0.0	0.0	0.0	10.0	785.0
Slide (Usft)	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	51.0

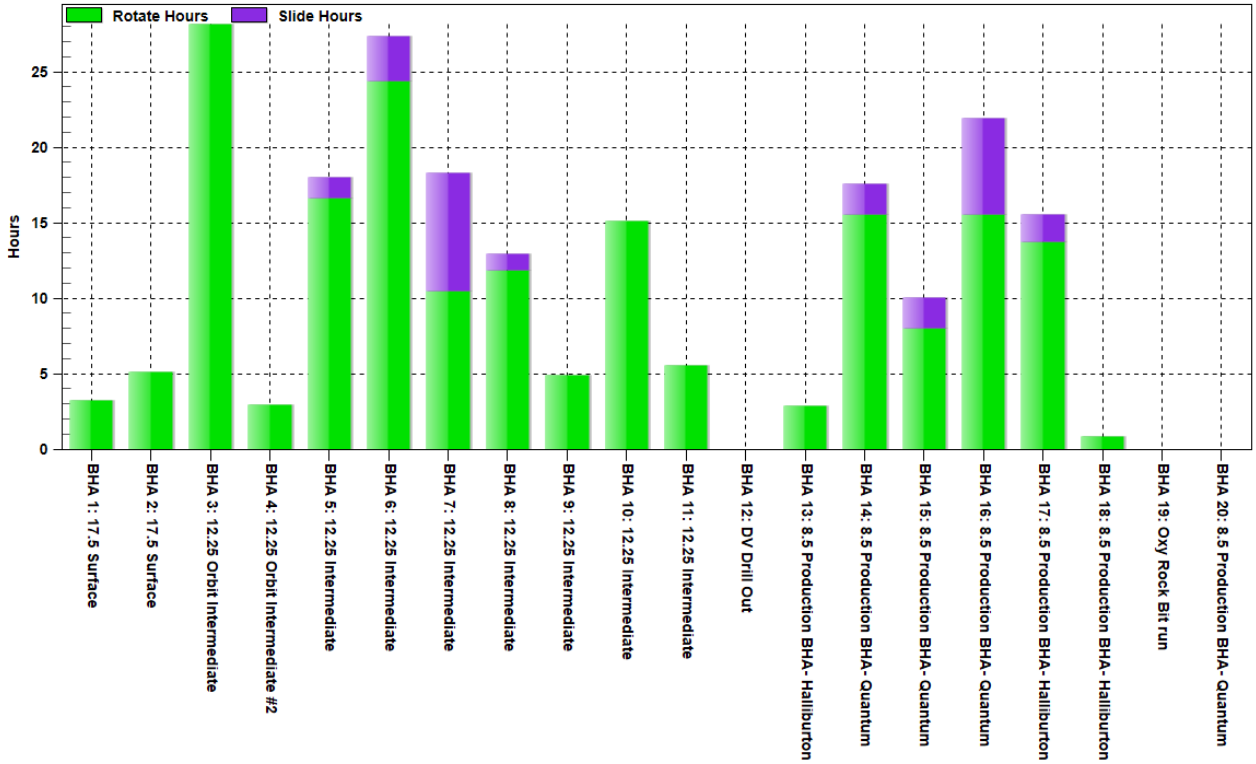
ROP Per Phase

Glade East - OH - ROP Per Phase



	STBY: STANDBY	SURFACE: SURFACE	INT: INTERMEDIATE 1
Avg ROP (Usft/hr)	0.0	213.2	74.6
Rotate ROP (Usft/hr)	0.0	214.0	81.5
Slide ROP (Usft/hr)	0.0	0.0	27.9

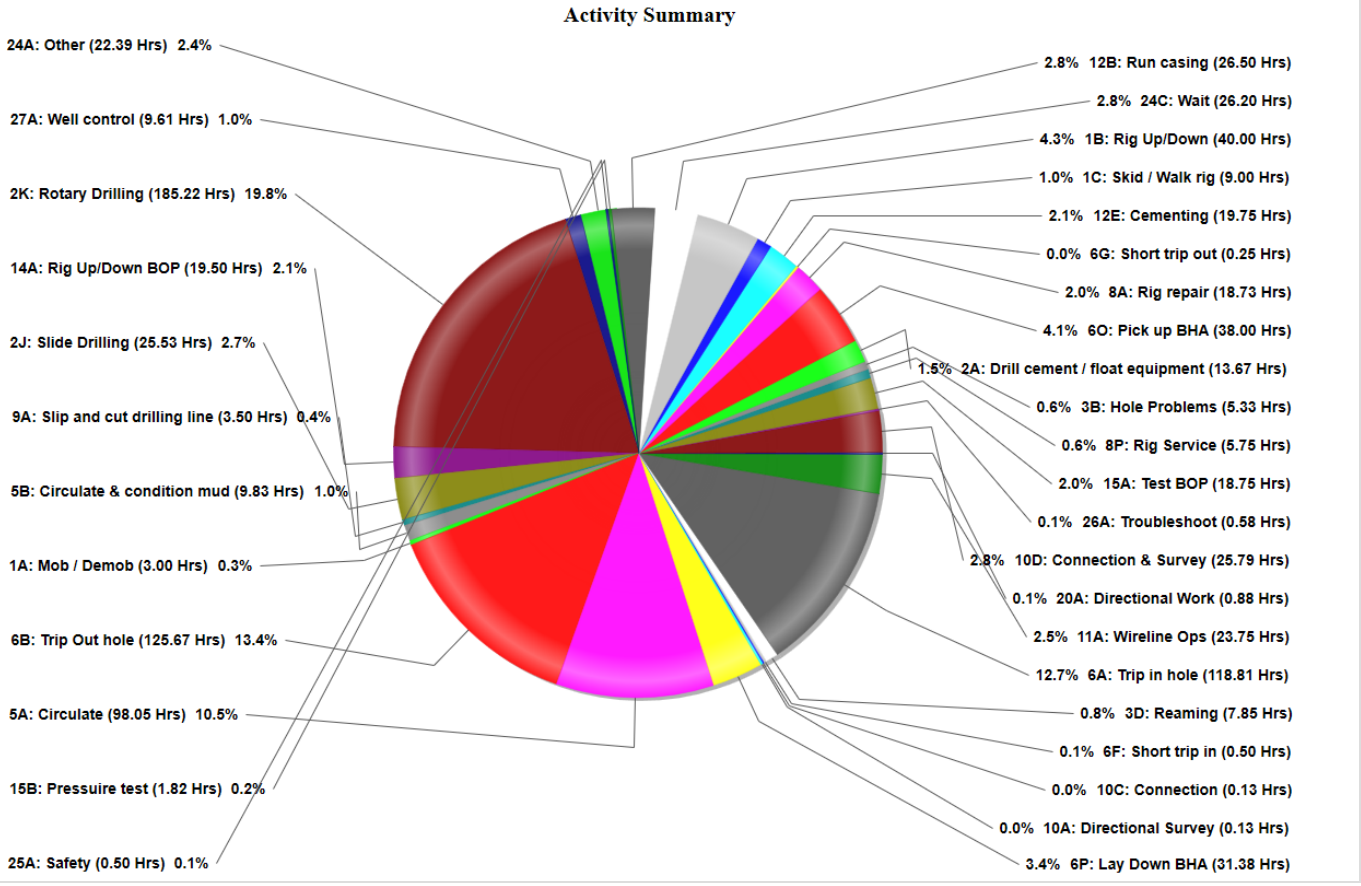
Drilling Hrs per Run



	BHA 1: 17.5 Surface	BHA 2: 17.5 Surface	BHA 3: 12.25 Orbit Intermediate	BHA 4: 12.25 Orbit Intermediate #2	BHA 5: 12.25 Intermediate	BHA 6: 12.25 Intermediate	BHA 7: 12.25 Intermediate	BHA 8: 12.25 Intermediate	BHA 9: 12.25 Intermediate	BHA 10: 12.25 Intermediate	BHA 11: 12.25 Intermediate	BHA 12: DV Drill Out	BHA 13: 8.5 Production BHA- Halliburton	BHA 14: 8.5 Production BHA- Quantum	BHA 15: 8.5 Production BHA- Quantum	BHA 16: 8.5 Production BHA- Quantum	BHA 17: 8.5 Production BHA- Halliburton	BHA 18: 8.5 Production BHA- Halliburton	BHA 19: Oxy Rock Bit run	BHA 20: 8.5 Production BHA- Quantum
Rotate Hours	3.2	5.1	28.2	3.0	16.6	24.4	10.5	11.8	4.9	15.1	5.5	0.0	2.9	15.6	8.0	15.5	13.7	0.9	0.0	0.0
Slide Hours	0.0	0.0	0.0	0.0	1.4	3.0	7.8	1.1	0.0	0.0	0.0	0.0	0.0	2.0	2.0	6.4	1.8	0.0	0.0	0.0

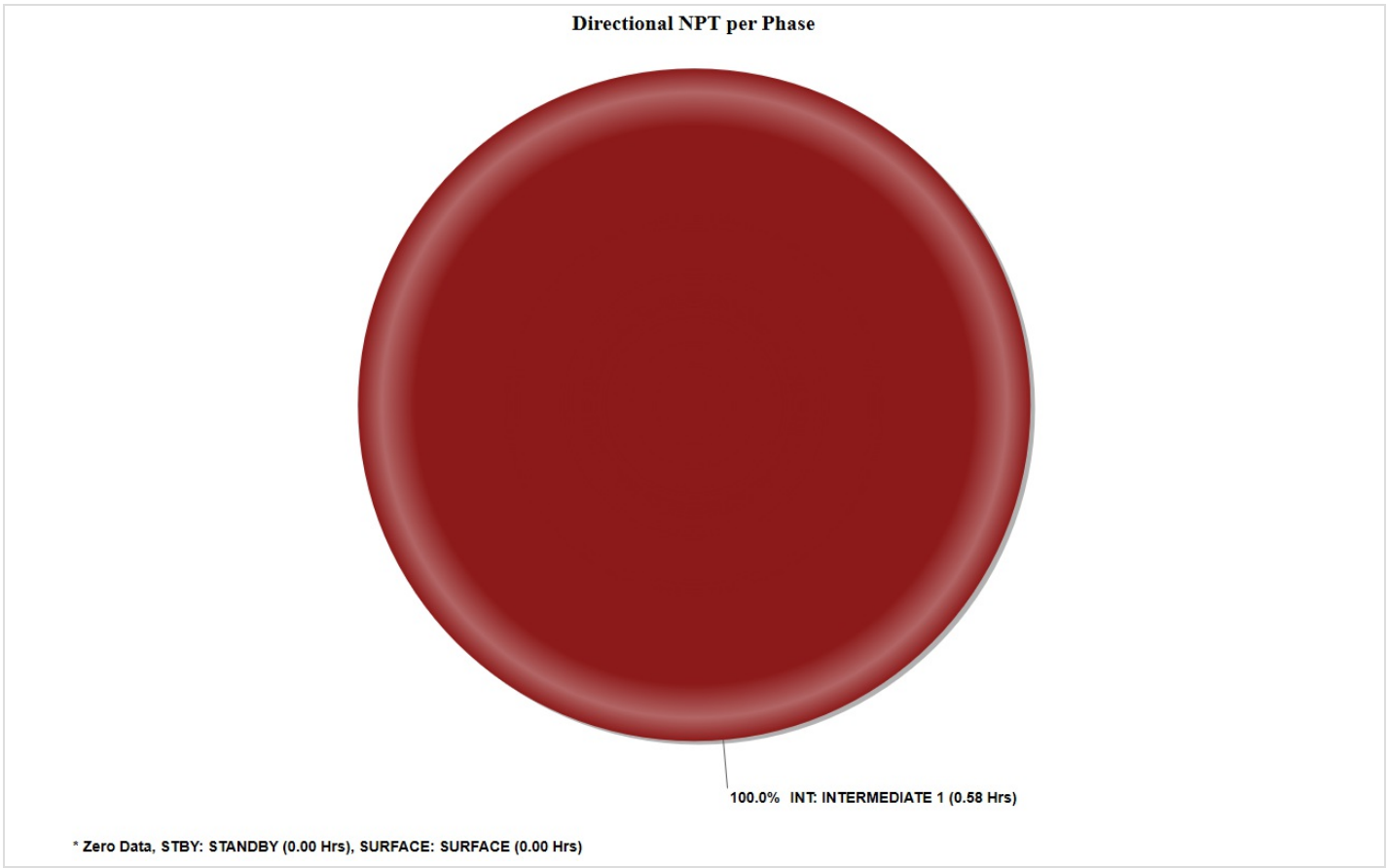
Activity Summary

Glade East - OH - Activity Summary



Dir. NPT Per Phase

Glade East - OH - Dir. NPT Per Phase



NPT Summary