



Daily Drilling Report

Well ID: FORGE 16B(78)-32

Field: FORGE

University of Utah

Well Name: FORGE 16B(78)-32

Sect: 32 Town: 26S Rng: 9W County: BEAVER State: UT

Report No: 62

Report For 06:00 AM 17-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10503	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8180	Next Casing:	7.000 at 10,159	RKB Elevation (ft):	31	---	---
Proposed TD (ft):	10658	Last BOP Test:	27-May-23	Job Reference RKB (ft):	---	---	---
Hole Made (ft) / Hrs:	10 / 0.75	Next BOP Test:	19-Jun-23	Working Interest:	Totals:	---	---
Average ROP (ft/hr):	13.33				Well Cost (\$):	---	---
Days (actual / plan):	Drilling 6.02 / 22,	Flat 0 / 0,	Complete 0 / 52,	Total 6.02 / 74		DOL:	62
Pers/Hrs:	Operator: 3 / 36	Contractor:	14 / 168	Service:	6 / 72	Other:	4 / 48
						Total:	27 / 324
Safety Summary: No incidents or events reported. 62 days since LTI. Conducted Safety Meeting.							
Current Operations: Tripping in the hole with 9 1/2" assembly at 9,000'.							
Planned Operations: Trip in the hole to 10,503', drill 9 1/2" hole from 10,503' to 10,947', pump high vis sweep, circulate hole clean, trip out of the hole from 10,947' to surface, rig up SLB logging.							
Toolpusher: Shawn Seddell, Clay Nielson							
Wellsite Supervisors: Leroy Swearingen, Brian Gresham						Tel No.:	

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:00	1.00	10,493	BHAOP	Make up 9 1/2" TCI bit with motor and roller reamers.	
7:00	14:30	7.50	10,493	TRPI	Trip in hole from 62' to 10,250' staging in to cool motor. Wash last 6 stands to bottom.	
14:30	16:30	2.00	10,493	REAM	Ream 8 3/4" hole to 9 1/2" hole from 10,250' to 10,493'. 10K WOB, 35 RPM, 650 GPM.	
16:30	17:15	0.75	10,503	DRIL	Drill 9 1/2" hole from 10,493' to 10,503'.	
17:15	17:30	0.25	10,503	CIRC	Circulate and prep for trip.	
17:30	22:00	4.50	10,503	TRPO	Trip out of the hole from 10,503' to BHA.	
22:00	23:00	1.00	10,503	BHAOP	Lay out 9 1/2" reaming assembly.	
23:00	0:30	1.50	10,503	BHAOP	Make up 9 1/2" drilling assembly with Baker 506 bit. Shallow test tools, good test.	
0:30	6:00	5.50	10,503	TRPI	Trip in the hole from 164' to 9,000' staging in to cool motor and tools as needed.	

Management Summary

Made up 9 1/2" clean out assembly, tripped in the hole from 62' to 10,250' staging in as needed to cool motor, opened 8 3/4" hole to 9 1/2" hole from 10,250' to 10,493', Drilled 9 1/2" hole from 10,493' to 10,503', Circulated and prepared to trip out of the hole, tripped out of the hole from 10,503' to BHA, laid out 9 1/2" reaming assembly, made up 9 1/2" drilling assembly with Baker 506 bit, Tripped in the hole from 164' to 10,503' staging in as needed to cool motor and tools.

Comments

Fuel on hand 11,418 gals.
Fuel used 1,283 gals.
Total NPT to date 120.25 HR.
No H2S today.

Casing/Tubular Information

Type	Size (ins)	Top MD (ft)	Top TVD (ft)	Bottom MD (ft)	Bottom TVD (ft)	Hole Section	OH Diam. (ins)	Nom. Wgt. (lbs)	Nominal Grade	LOT (lbs/gal)
FULL	16.000	4		1,136	1,135	SURF	22.000	84	OTHER	
FULL	11.750	-3	3	4,837	4,837	INT1	14.750	65	OTHER	

Mud Information

%																Gels			Temp		Mud
Dens.	Vis	PV	YP	Filt.	Cake	pH/ES	Solids	Oil	Water	Sand	LGS	Cl	Ca	CaCl	10s	10m	30m	In	Out	Loss	
16-Jun-23 22:00 at Depth 10,490 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.40	27					9.5	0.65		99			400									
16-Jun-23 14:00 at Depth 10,503 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.40	27					9.4	0.65		99			350									

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	1	---	Engineering - OTHER	2	---
Lodging - OTHER	1	---	TORKease Concentrate - GALS	2	---

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Bit/BHA/Workstring Information

				Depth	This Run		R.O.P.				Mud				Pump					
No	Run	Make	Model	Diam	In	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow	Press	J. Vel	P. Drp	HHP	JIF	
23	2	SANJOAQ	XLS30DX	9.500	10493	10	0.75	13.3	20.0	20	40	25	8	650	1750	157	186	71	445	
Jets: 24 24 24					Out: 10503		Grade: Cutter:		1 / 1		Dull: WT / NO		Wear: A		Brgs: 1		Gge: 0		Pull: BHA	
31	1	CANAMER	CCI	8.750	10462	31	22.5	1.4		14	35		8	375	450	114	98	21	186	
Jets: 14 14 14 14 14 14 14					Out: 10493		Grade: Cutter:		5 / 2		Dull: WT / BT		Wear: N		Brgs: X		Gge: 0		Pull: TD	
32	1	BAKER	DD506V	9.500	10503															
Jets: 15 15 15 18 18 18					Out:		Grade: Cutter:		/		Dull: /		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 38 - BIT, MMTR, RR, PC, DCM, MWD, DCM, 4 OTHER, XO, 30 HWDP = 1068.15																				

Drilling Parameters

Depth (ft)		ROP (ft/hr)		WOB (lbs)		RPM		Torque (ft lbs)		Flow (gals/min)		Pressure (psi)
From	To	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	
10,493	10,503	25.0	35.0	15	20	35	40	22	23	655		1,706

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		Pick Up:		Slack Off:		Drag Avg/Max:		/	
Hours on BHA:		Since Inspection:		179.5		Total:		179.5		Jars: 22.5	
Hours on Casing/Liner:		Rotating:		184 / 2.75		Tripping:		236.25 / 8		<input checked="" type="checkbox"/> Wear Bushing Installed	

Rig Information

Equipment Problems: None to report.

Location Condition: Good.

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom
Shaker No 1:	170	170	200	170
Shaker No 2:	170	170	200	170
Shaker No 3:	170	170	200	170

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.5"	365	24.7	S-135	5.5FH	5.5	30	71.0	S-135	5.5FH
5.5	20	54.0	S-135	5.5FH					

Safety Information

Meetings/Drills		Time	Description					
Safety	30	Two Pre-tour safety meetings held daily with crew.						
First Aid Treatments:		0	Medical Treatments:	0	Lost Time Incidents:	0	Days Since LTI:	62
Accident Description:		None to report.						
<input type="checkbox"/> BOP Test	<input type="checkbox"/> Crownamatic Check							

Weather Information

Sky Condition: Overcast		Visibility: 10	
Air Temperature: 57 degF		Bar. Pressure: 1017	
Wind Speed/Dir: 5 / NNW		Wind Gusts:	