



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: 53 Report For 06:00 AM 08-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10274	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	---
Vertical Depth (ft):	8102	Next Casing:	7.000 at 10,159	RKB Elevation (ft):	31	AFE (\$)	---
Proposed TD (ft):	10658	Last BOP Test:	27-May-23	Job Reference RKB (ft):	---	Actual (\$)	---
Hole Made (ft) / Hrs:	6 / 0.5	Next BOP Test:	19-Jun-23	Working Interest:	---	Totals:	---
Average ROP (ft/hr):	12.0					Well Cost (\$):	---

Days (actual / plan): Drilling 5.95 / 22, Flat 0 / 0, Complete 0 / 52, Total 5.95 / 74 DOL: 53

Pers/Hrs: Operator: 3 / 36 Contractor: 18 / 216 Service: 6 / 72 Other: 10 / 120 Total: 37 / 444

Safety Summary: No incidents or events reported. 53 days since LTI. Conducted Safety Meeting.

Current Operations: Tripping out of the hole at 5,074'.

Planned Operations: Finish tripping out of the hole. Make up and trip in the hole with 8-3/4" coring assembly. Core from 10,274' to 10,304'.

Toolpusher: Steve King, Jason Postma

Wellsite Supervisors: Leroy Swearingen, Randy Baldwin Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	11:30	5.50	10,271	CORE	Core 8 3/4" hole from 10,268' to 10,271'. 12K-21K WOB, 35 RPM, 17K-22K TORQ, 400 GPM, 0.2-1.9 fph. Core stopped advancing.	
11:30	16:30	5.00	10,271	TRPO	Trip out of the hole from 10,271' to 76'.	
16:30	18:30	2.00	10,271	BHAOP	Lay down core assembly. 7.8' of core cut, 4.5' of core recovered.	
18:30	19:00	0.50	10,271	BHAOP	Make up 8-3/4" re-run TCI bit #26 and BHA #31.	
19:00	21:00	2.00	10,271	TRPI	Trip in hole from 77' to 4,830'. Fill pipe at 3,019'	
21:00	22:30	1.50	10,271	CUTDL	Slip and cut 110' of drill line.	
22:30	1:30	3.00	10,271	TRPI	Trip in the hole to 10,246' Fill pipe at 6,059', 9,013' & 10,246'.	
1:30	2:00	0.50	10,271	DRIL	Safety ream from 10,246' to 10,269'. Drill out stump from 10,269' to 10,272' and 2' of new hole to 10,274'.	
2:00	3:00	1.00	10,271	CIRC	Pump 50 bbl high visc sweep and circulate bottoms up.	
3:00	6:00	3.00	10,271	TRPO	Trip out of the hole from 10,274' to 5,074'. Coming out on different break.	

Management Summary

Core 8 3/4" hole from 10,268' to 10,271'. ROP stopped. Tripped out of the hole. Laid down core assembly. 7.8' of core cut, 4.5' of core recovered. Made up 8-3/4" re-run TCI bit #26 and BHA #31. Tripped in hole from 77' to 4,830'. Slipped and cut 110' of drill line. Tripped in the hole to 10,246'. Safety reamed from 10,246' to 10,269'. Drilled out stump from 10,269' to 10,272' and 2' of new hole to 10,274'. Pumped 50 bbl high viscosity sweep and circulated bottoms up. Tripped out of the hole from 10,274' to 5,074'.

Comments

Fuel on hand 15752 gals.
Fuel used 1406 gals.
Total NPT to date 98.25 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
07-Jun-23 12:30 at Depth 10,271 ft Mud Pits, Type: Low Solids Non-Dispersed																				
8.40	27					9.3	0.65		99.2			550								

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	1	---	Engineering - OTHER	2	---
HIB 19 - GALS	8	---	Lodging - OTHER	1	---
PAllets/Wraps - OTHER	1	---	Poly Vis - 50#SK	1	---
TORKease - GALS	6	---	TORKease L - GALS	12	---



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

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Bit/BHA/Workstring Information

No	Run	Make	Model	Diam	Depth		This Run		R.O.P.		Mud		Pump		J. Vel	P. Drp	HHP	JIF	
					In	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow					Press
26	2	SANJOAQ	EP4900	8.750	10271	2	0.5	10.0	14.0	30	85	17	8	600	1000	145	159	55	379
Jets: 24 24 24					Out:	Grade:	Cutter:	/	Dull:	/	Wear:	Brgs:	Gge:	Pull:					
27	1	CANAMER	CCI 913	8.750	10264	11	8.5	1.3	1.9	16	35	21	8	400	575	129	125	29	225
Jets: 12 12 12 12 12 12 12 12 12					Out: 10271	Grade:	Cutter:	/	Dull:	/	Wear: N	Brgs:	Gge:	Pull: PR					

Comments: Core bit. Wear on nose cutters.

BHA - No. 31 - BIT, BS, XO, 30 HWDP = 924.24

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	
10,268	10,271	0.5	1.9	13	21	35	35	17	21	400	400	600
Annular Velocity:		Drill Collars:		355.7		Drill Pipe:		211.7				
Comments: Core 8-3/4"												
10,271	10,274	10.0	15.0	25	30	80	85	16	17	600	600	1,000
Annular Velocity:		Drill Collars:		317.5		Drill Pipe:		317.5				
Comments: Drill out core stmp and 2' of new hole.												

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	255	Pick Up:	430	Slack Off:	185	Drag Avg/Max:	75 / 175
Hours on BHA:	Since Inspection:	107	Total:	107	Jars:			
Hours on Casing/Liner:	Rotating:	111.5 / 1	Tripping:	166.25 / 12	<input type="checkbox"/> Wear Bushing Installed			

Rig Information

Equipment Problems:

Location Condition:

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom	Equipment Usage (Hrs):					
Shaker No 1:	170	170	200	170	Desander:	0	Desilter:	0	Degasser:	0
Shaker No 2:	170	170	200	170	Centrifuge 1:	12 (Solids Removal)		Centrifuge 2:	12 (Solids Removal)	
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:	53	
<input type="checkbox"/> BOP Test		<input type="checkbox"/> Crownamatic Check						

Weather Information

Sky Condition:	Partly cloudy	Visibility:	10
Air Temperature:	78 degF	Bar. Pressure:	1005
Wind Speed/Dir:	20 / SW	Wind Gusts:	