

**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: 56

Report For 06:00 AM 11-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10304	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8123	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:	29 / 0.0	Next BOP Test:	19-Jun-23	Working Interest:	Totals:	---	---
Average ROP (ft/hr):					Well Cost (\$):	---	---

Days (actual / plan): Drilling 5.95 / 22, Flat 0 / 0, Complete 0 / 52, Total 5.95 / 74 DOL: 56

Pers/Hrs: Operator: 3 / 36 Contractor: 14 / 168 Service: 4 / 48 Other: 1 / 12 Total: 22 / 264

Safety Summary: No incidents or events reported. 56 days since LTI. Conducted Safety Meeting.

Current Operations: Tripping out of the hole at 8,330' with coring assembly # 7.

Planned Operations: Finish tripping out of the hole. Lay down core and coring assembly. Make up and trip in hole with 8-3/4" directional assembly. Drill ahead to next core point.

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	22:00	16.00	10,290	CORE	Coring 8 3/4" hole from 10275' to 10290'. 5K-10K WOB, 30-50 RPM, 20k-23K TORQ, 365-380 GPM, 1.2 FPH	
22:00	4:30	6.50	10,304	CORE	Coring 8 3/4" hole from 10290' to 10304'. 16K-19K WOB, 50 RPM, 20k-23K TORQ, 380 GPM, 2.3 FPH.	
4:30	5:00	0.50	10,304	CIRC	Circulate partial bottoms up. Break off core. Verify core had broken off. Note: No overpull when breaking off core. 420K max over pull.	
5:00	6:00	1.00	10,304	TRPO	Trip out of the hole from 10,304' to 8,330'.	

Management Summary

Cored 8 3/4" hole from 10275' to 10304'. Cored 30' total. Circulated partial bottoms up. Broke off core. Verify core had broken off by slacking off to bottom and tagging no stump. Note: No over pull when breaking off core. Tripped out of the hole from 10,304' to 8,330'.

Comments

Fuel on hand 15229 gals.
Fuel used 1533 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
11-Jun-23 02:00 at Depth 10,274 ft Mud Pits, Type: Low Solids Non-Dispersed																				
8.40	27				0.25	9.4	0.6		99.4			550								
10-Jun-23 13:00 at Depth 10,283 ft Mud Pits, Type: Low Solids Non-Dispersed																				
8.40	27				0.2	9.5	0.55		99.4			500								

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	2	---	Engineering - OTHER	2	---
HIB 19 - GALS	4	---	Lodging - OTHER	1	---
TORKease - GALS	3	---	TORKease Concentrate - GALS	16	---



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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
28	1	CANAMER	CCI-713	8.750	10274	30	24	1.2	5.0	15	40	22	8	380	470	116	101	22	192
Jets: 14 14 14 14 14 14 14					Out:		Grade: Cutter: /			Dull: /		Wear:		Brgs:		Gge:		Pull:	

Jets: 14 14 14 14 14 14 14 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

Comments: Core bit CCI-713, BHA

BHA - No. 32 - BIT, NBS, CORE, STAB, CORE, STAB, OTHER, JAR, XO, 30 HWDP = 992.79

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	
10,275	10,290	1.5	2.8	8	10	35	50	21	23	365	385	520
Annular Velocity:		Drill Collars:		346.8		Drill Pipe:		201.1				
Comments: Coring												
10,290	10,304	1.5	5.0	19	23	50	50	22	23	380	380	512
Annular Velocity:		Drill Collars:		361.0		Drill Pipe:		201.1				
Comments: Coring												

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	255	Pick Up:	420	Slack Off:	185	Drag Avg/Max:	/ 165
Hours on BHA:	Since Inspection:	131	Total:	131	Jars:			
Hours on Casing/Liner:	Rotating:	135.5 / 1	Tripping:	179.75 / 12	<input checked="" 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
Shaker No 2:	170	170	200	170	Centrifuge 1:	24 (Solids Removal)	Centrifuge 2:	24 (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. Securing loads.					
First Aid Treatments:		0	Medical Treatments:	0	Lost Time Incidents:	0	Days Since LTI:	56
<input type="checkbox"/>	BOP Test		<input type="checkbox"/>	Crownamatic Check				

Weather Information

Sky Condition:	Visibility:	10
Air Temperature: 77 degF	Bar. Pressure:	1007
Wind Speed/Dir: 6 / SW	Wind Gusts:	