

**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: 46

Report For 06:00 AM 01-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	9822	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	7647	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:	5 / 0.0	Next BOP Test:	19-Jun-23	Working Interest:	Totals:	---	---
Average ROP (ft/hr):					Well Cost (\$):	---	---
Days (actual / plan):	Drilling 5.68 / 22,	Flat 0 / 0,	Complete 0 / 52,	Total 5.68 / 74		DOL:	46
Pers/Hrs:	Operator: 3 / 36	Contractor: 14 / 168	Service: 6 / 72	Other: 4 / 48	Total:	27 / 324	
Safety Summary: No incidents or events reported. 46 days since LTI. Conducted Safety Meeting.							
Current Operations: Picking up BHA #25. Core #4 assembly.							
Planned Operations: Strap in hole with Core assembly #4 to verify initial SLM. Core from 9,823' to 9,853'.							
Toolpusher: Shawn Seddell, 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	6:30	0.50	9,817	BHAOP	Break off BHA #23 bit sub and bit.	
6:30	7:00	0.50	9,817	BHAOP	Make up BHA #24 consisting of BH 8 3/4" TCI bit and bit sub with float and crows foot.	
7:00	9:30	2.50	9,817	TRPI	Trip in hole from surface to 4,823'.	
9:30	11:00	1.50	9,817	CUTDL	Cut and slip drilling line.	
11:00	11:30	0.50	9,817	SERV	Check top drive connections.	
11:30	15:00	3.50	9,817	TRPI	Trip in hole from 4,823' to 9,780', performing torque and drag readings every 5 stands.	
15:00	22:00	7.00	9,823	REAM	Wash and ream from 9,780' to 9,823'. Note: Could not see any changes in ROP or torque at bottom. Decision was made to make additional hole to make sure core stub was gone. More cuttings over shakers around 9,817'.	
22:00	23:30	1.50	9,823	CIRC	Pump 50 bbl high visc sweep and clean hole.	
23:30	5:00	5.50	9,823	TRPO	Strap out of the hole from 9,823' to surface. Break out and lay down bit and bit sub.	
5:00	6:00	1.00	9,823	OTHER	Clear floor. Gather coring assembly. Add pipe tally straps. Discrepancy in SLM vs. driller's tally.	

Management Summary

Broke off BHA #23 bit sub and bit. Made up BHA #24 consisting of 8 3/4" TCI bit and bit sub with float and crows foot. Tripped in hole. Reamed from 9,780' to 9,823'. Pumped 50 bbl high visc sweep and clean hole. Strapped out of the hole from 9,823' to surface. Broke out and laid down bit and bit sub. Discrepancy in SLM vs. driller's tally.

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	
31-May-23 20:00 at Depth 9,817 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.40	27					8.8	0.5		99			500									
31-May-23 14:00 at Depth 9,817 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.40	27					8.7	0.5		99			500									

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Engineering - OTHER	2	---	HIB 19 - GALS	4	---
Lime - 50#SK	2	---	Lodging - OTHER	1	---

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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	
5	4	SANJOAQ	MX-S50R	9.500	9817	0	-2	0.0	0.0	0	0	0	0	0	0					
Jets: 24 24 24					Out: 9817		Grade: Cutter:		3 / 3		Dull: CT / WT		Wear: A		Brgs: E		Gge: 0		Pull: BHA	
Comments: Used for running wireline Gyro																				
21	1	BAKER	VGD-38CH	8.750	9817	23	7	3.3	4.0	12	75	19000	8	400	600	172	223	52	299	
Jets: 18 18 18					Out: 9823		Grade: Cutter:		2 / 3		Dull: WT / NO		Wear: A		Brgs: E		Gge: 0		Pull: BHA	
BHA - No. 24 - BIT, BS, XO, 30 HWDP = 924.64																				

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	
9,800	9,823	3.0	4.0	12	15	55	90	19,000	21,000	400	400	600
Annular Velocity:		Drill Collars:		128.1		Drill Pipe:		211.7				
Comments:		Reaming 8-3/4" hole.										

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		Pick Up: 389		Slack Off:		Drag Avg/Max: /	
Hours on BHA:		Since Inspection: 74.25		Total: 74.25		Jars: 13.75			
Hours on Casing/Liner:		Rotating: 76.75 / 0		Tripping: 90.25 / 0		<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		
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 crews.
First Aid Treatments:	0	Medical Treatments: 0
Lost Time Incidents:	0	Days Since LTI: 46
<input type="checkbox"/> BOP Test	<input type="checkbox"/> Crownamatic Check	

Weather Information

Sky Condition: Mostly clear		Visibility: 10	
Air Temperature: 72 degF		Bar. Pressure: 1005	
Wind Speed/Dir: 8 / S		Wind Gusts:	