

**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: 58

Report For 06:00 AM 13-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10447	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8170	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:	17 / 0.0	Next BOP Test:	19-Jun-23	Working Interest:		Totals:	---
Average ROP (ft/hr):						Well Cost (\$):	---
Days (actual / plan):	Drilling 5.98 / 22, Flat 0 / 0, Complete 0 / 52, Total 5.98 / 74						DOL: 58
Pers/Hrs:	Operator: 3 / 36	Contractor:	14 / 168	Service:	6 / 72	Other:	2 / 24 Total: 25 / 300
Safety Summary: No incidents or events reported. 58 days since LTI. Conducted Safety Meeting.							
Current Operations: Coring 8-3/4" hole at 10,447'.							
Planned Operations: Finish coring 8-3/4" hole to 10,460'. Trip out of the hole.							
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	7:00	1.00	10,430	BHAOP	Finish making up Coring BHA #34.	
7:00	9:00	2.00	10,430	TRPI	Trip in the hole from 76' to 4,800'.	
9:00	9:30	0.50	10,430	SERV	Service rig and top drive while circulating hole.	
9:30	14:30	5.00	10,430	TRPI	Trip in the hole from 4,800' to 10,407', circulating and washing down as per staging in procedure to cool core barrels. Pick up 460K, Slack off 170K.	
14:30	15:00	0.50	10,430	WASH	Wash down last stand. Tag bottom at 10,430'.	
15:00	16:30	1.50	10,430	CIRC	Circulate bottoms up at 10,427'.	
16:30	17:00	0.50	10,430	CIRC	Drop ball and circulate down to seat at 250 gpm.	
17:00	18:00	1.00	10,432	CORE	Coring 8 3/4" hole from 10,430' to 10,432'. 4K-5.5K WOB, 40 RPM, 25K-26K TORQ, 400 GPM, 2 FPH.	
18:00	21:00	3.00	10,434	CORE	Coring 8 3/4" hole from 10,432' to 10,434'. 6K-9K WOB, 40 RPM, 25K-26K TORQ, 400 GPM, .6 FPH.	
21:00	6:00	9.00	10,447	CORE	Coring 8 3/4" hole from 10,434' to 10,447'. 14K-16K WOB, 40 RPM, 22K-24K TORQ, 400 GPM, 1.5 FPH.	

Management Summary

Finished making up Coring BHA #34. Tripped in the hole to 4,800'. Staged in hole to 10,430', circulating and washing down to cool core barrels. Tagged bottom at 10,430'. Circulated bottoms up. Dropped ball and pumped down. Coring 8 3/4" hole from 10,430' to 10,447'.

Comments

Fuel on hand 17409 gals.
 Fuel used 968 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	
12-Jun-23 22:00 at Depth 10,427 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.42	27				0.25	9.4	0.65					500									
12-Jun-23 14:00 at Depth 10,430 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.42	27				0.25	9.25	0.65					550									



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Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Engineering - OTHER	4	---	HIB 19 - GALS	4	---
Lodging - OTHER	1	---	Poly Vis - 50#SK	2	---
TORKease Concentrate - GALS	1	---			

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				
30	1	CANAMER	CCI-911	8.750	10430	17	13	1.3	4.0	15	40	24	8	400	800	129	125	29	225				
Jets: 12 12 12 12 12 12 12 12 12					Out:		Grade: Cutter:			/		Dull:		/		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 34 - 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	
10,430	10,432	2.0	4.0	4	6	40	40	25	26	400	400	650
Annular Velocity:		Drill Collars:		355.7	Drill Pipe:		211.7					
Comments:		Formation changing from (clay ?) to granodiorite and back.										
10,432	10,447	0.5	3.5	15	16	40	40	22	24	380	385	755
Annular Velocity:		Drill Collars:		337.9	Drill Pipe:		201.1					
Comments:		Mostly clay										

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	260	Pick Up:	460	Slack Off:	170	Drag Avg/Max:	/ 200
Hours on BHA:	Since Inspection:	144.5	Total:	144.5	Jars:	0		
Hours on Casing/Liner:	Rotating:	149 / 0	Tripping:	202.75 / 0	<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:	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	45	Two Pre-tour safety meetings held daily with crew. PJSM with Canamera						
First Aid Treatments:	0	Medical Treatments:	0	Lost Time Incidents:	0	Days Since LTI:	58	
<input type="checkbox"/> BOP Test		<input type="checkbox"/> Crownamatic Check						

Weather Information

Sky Condition:	Mostly clear	Visibility:	10
Air Temperature:	67 degF	Bar. Pressure:	1010
Wind Speed/Dir:	8 / WSW	Wind Gusts:	10