



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: 43

Report For 06:00 AM 29-May-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	9800	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	7623	Next Casing:		RKB Elevation (ft):	31	---	---
Proposed TD (ft):		Last BOP Test:	27-May-23	Job Reference RKB (ft):		---	---
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	19-Jun-23	Working Interest:		Totals:	---
Average ROP (ft/hr):						Well Cost (\$):	---

Days (actual / plan): Drilling 5.68 / 0, Flat 0 / 0, Complete 0 / 0, Total 5.68 / 0 DOL: 43

Pers/Hrs: Operator: 3 / 36 Contractor: 14 / 168 Service: 6 / 72 Other: 2 / 24 Total: 25 / 300

Safety Summary: No incidents or events reported. 43 days since LTI. Conducted Safety Meeting.

Current Operations: Staging in the hole with Core tools at 8,039'.

Planned Operations: Finish staging in the hole with Core tools to bottom. Core from 9,800' to 9,830'.

Toolpusher: Shawn Seddell, Clay

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	9,800	LOG	Running gyro survey tool to surface. Retrieve data while circulating hole. Data was bad. Decision to rerun gyro.	
6:30	7:30	1.00	9,800	CIRC	Circulate hole to cool while rebuilding new gyro tool.	
7:30	15:30	8.00	9,800	LOG	Run gyro on wireline from surface to 6,800'. Tool not functioning. Pull out of hole and rebuild gyro. Run in hole to 6,800' and pump down from 6,800' to 9,720'. Surveying from 9,720' to 6,409'. Lay down gyro tools.	
15:30	16:30	1.00	9,800	CIRC	Circulate to cool hole prior to trip out for core tools. Analyze gyro data. Swap mud system to water and lube system.	
16:30	22:30	6.00	9,800	TRPO	Trip out of hole from 9,725' to surface. Break off bit, bit sub and crossover.	
22:30	23:30	1.00	9,800	BHAOP	Make up BHA #22, Core BHA #3 consisting of 8-3/4" Core bit, core barrels, stabs and jars.	
23:30	0:30	1.00	9,800	BHAOP	Change out 7 joints of slick HWDP.	
0:30	6:00	5.50	9,800	TRPI	Trip in the hole to 3,044'. Fill drill pipe. Trip in hole to 6,043'. Circulate bottoms up. Trip in hole to 6,519'. Cool tools. Wash down to 6,993'. Trip in hole to 7,469'. Cool tools. Wash down to 8,039'.	

Management Summary

Ran gyro survey tool. Data was bad. Re-ran gyro. Circulated and cooled hole prior to trip out for core tools. Changed water in hole to a lube system. Tripped out of hole. Laid down bit, bit sub and crossover. Made up BHA #22, Core BHA #3 consisting of 8-3/4" Core bit, core barrels, stabs and jars. Changed out 7 joints of slick HWDP. Staged in the hole cooling tools to 8,000'.

Comments

Fuel on hand 12582 gals.
Fuel used 1,046 gals.
Total NPT to date 94.25 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	
29-May-23 02:00 at Depth 9,800 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.48	27					10.5	1.1		98.9			600									
28-May-23 14:30 at Depth 9,800 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.41	27					8.7	0.5		99.5			550									



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Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Citric Acid - OTHER	3	---	Engineering - OTHER	2	---
HIB 19 - GALS	4	---	Lodging - OTHER	1	---
PALlets/Wraps - OTHER	1	---	ProOne - GALS	30	---
TORKease Concentrate - GALS	12	---			

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	3	SANJOAQ	MX-S50R	9.500	9800	0	0	0.0	0.0	0	0	0	8	0	0				
Jets: 24 24 24				Out: 9800		Grade: Cutter:		3 / 3		Dull: CT / WT		Wear: A		Brgs: E		Gge: 0		Pull: TD	
Comments: Ran with dumb iron to run Gyro																			
20	1	CANAMER	CCI	8.750	9800	0	0	0.0	0.0	0	0	0	8	400	408	129	126	29	226
Jets: 12 12 12 12 12 12 12 12 12				Out:		Grade: Cutter:		/		Dull: /		Wear:		Brgs:		Gge:		Pull:	
Comments: New core bit.																			
BHA - No. 22 - BIT, NBS, CORE, STAB, CORE, STAB, CORE, STAB, OTHER, JAR, XO, 30 HWDP = 992.84																			

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		Pick Up:		Slack Off:		Drag Avg/Max:		/									
Hours on BHA:		Since Inspection:		52.5		Total:		52.5		Jars:									
Hours on Casing/Liner:		Rotating:		55 / 0		Tripping:		64 / 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	170	170	Desander: 0	Desilter: 0	Degasser: 0	
Shaker No 2:	170	170	170	170	Centrifuge 1: 6 (Solids Removal)		Centrifuge 2: 6 (Solids Removal)	
Shaker No 3:	170	170	170	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 crews. PJSM for making up core BHA.
First Aid Treatments: 0		Medical Treatments: 0
Lost Time Incidents: 0		Days Since LTI: 43
<input type="checkbox"/> BOP Test		
<input type="checkbox"/> Crownamatic Check		

Weather Information

Sky Condition: Mostly Clear		Visibility: 10	
Air Temperature: 75 degF		Bar. Pressure: 1009	
Wind Speed/Dir: 3 / SW		Wind Gusts:	