

**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: 34

Report For 06:00 AM 20-May-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	6950	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6680	Next Casing:		RKB Elevation (ft):	31	---	---
Proposed TD (ft):		Last BOP Test:	29-Apr-23	Job Reference RKB (ft):		---	---
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	28-May-23	Working Interest:		Totals:	---
Average ROP (ft/hr):						Well Cost (\$):	---
Days (actual / plan):	Drilling 3.49 / 0, Flat 0 / 0, Complete 0 / 0, Total 3.49 / 0						DOL: 34
Pers/Hrs:	Operator: 3 / 36	Contractor:	14 / 168	Service:	6 / 72	Other:	4 / 48
						Total:	27 / 324
Safety Summary: No incidents or events reported. 34 days since LTI. Conducted Crown Check, Safety Meeting.							
Current Operations: Tripping in the hole with RSS assembly at 6,950'.							
Planned Operations: Drill 9 1/2" hole section from 6,950'.							
Toolpusher: Shawn Seddell, Clay							
Wellsite Supervisors: Leroy Swearingen, Brian Gresham						Tel No.:	

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	8:30	2.50	6,950	DIR	Break down BHA including NOV black box, roller reamer, string stabilizer, Halo RSS and bit. Remove dart sensor #2232 from bit.	
8:30	0:00	15.50	6,950	LOG	Rig up SLB Wireline to log well with FMI and UBI. 1st run of Formation Micro Imager log @ 10:00 from 6,947' to 4,852'. Lay down tool and rig up for UBI. 2nd run of UltraSonic Borehole Imager @ 16:30 from 6,930' to 4,836'. Switch mode at 4,810' to UltraSonic casing Imager, logs casing to surface.	
0:00	0:30	0.50	6,950	RIGD	Rig down SLB Wireline.	
0:30	1:30	1.00	6,950	BHAOP	Pick up 9 1/2" Halo stiff assembly, BHA # 16, RSS # 6, bit # 15, sensor #2232.	
1:30	4:00	2.50	6,950	TRPI	Trip in the hole from 913' to 4,800'. Fill pipe every 3,000'.	
4:00	5:00	1.00	6,950	CUTDL	Slip and cut drill line.	
5:00	6:00	1.00	6,950	TRPI	Trip in the hole from 4,800' to 6,950'. Break circulation at 6,000'.	

Management Summary

Broke down BHA including NOV black box, roller reamer, string stabilizer, Halo RSS and bit. Removed dart sensor #2232 from bit. Rigged up SLB Wireline. Log well with FMI and UBI. Rigged down SLB Wireline. Picked up 9 1/2" Halo stiff assembly. Tripped in the hole from 1,036' to 4,800', Slipped and cut drill line. Tripped in the hole from 4,800' to 6,950'.

Comments

Fuel on hand 17,362 gals.
 Fuel used 1,049 gals.
 Total NPT to date 92.75 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	
20-May-23 02:00 at Depth 6,943 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.30	27				0.25	10	0.2		99.8			850									
19-May-23 11:00 at Depth 6,950 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.30	27				0.25	10	0.2		99.8			850									



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Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
API Gel - 100#SK	6	---	Bicarb - 50#SK	3	---
Caustic Soda - 50#SK	5	---	DC-310/CI-100 - OTHER	50	---
Defoam 14 - GALS	2	---	De-MOB - OTHER	1	---
Desco - 25#SK	3	---	Engineering - OTHER	2	---
Lodging - OTHER	1	---	Poly Vis - 50#SK	2	---
Soda Ash - 50#SK	5	---	Walnut - SACK	2	---
Xanthan Gum - 50#SK	4	---			

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													
14	1	NOV	TKC 83		9.500	6610	144	9.5	45.0	60.0	60	60	19000	8	600	1250	160	193	67	418													
Jets: 14 14 14 14 14 14 14 14						Out: 6950		Grade: Cutter: 1/2			Dull: CT / WT			Wear: S		Brigs: X		Gge: 1		Pull: PR													

Comments: Second cutter from center diamond plate missing. Chipped cutters on nose and shoulder.

BHA - No. 16 - BIT, OTHER, STAB, 2 PC, RR, DCM, 3 OTHER, 9 DC, XO, 30 HWDP = 1306.42

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	Pick Up:	Slack Off:	Drag Avg/Max:	/
Hours on Casing/Liner:	Rotating:	/	Tripping:	/	<input checked="" type="checkbox"/> Wear Bushing Installed

Rig Information

Equipment Problems: None.

Location Condition: Good.

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			
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						

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:	34
<input type="checkbox"/>	BOP Test		<input checked="" type="checkbox"/>	Crownamatic Check				

Weather Information

Sky Condition:	Partly Cloudy	Visibility:	10
Air Temperature:	75 degF	Bar. Pressure:	1017
Wind Speed/Dir:	11 / NNW	Wind Gusts:	3