

**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: 59

Report For 06:00 AM 14-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10460	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8180	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:	13 / 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:	59
Pers/Hrs:	Operator: 3 / 36	Contractor: 14 / 168	Service: 5 / 60	Other: 2 / 24	Total:	24 / 288	
Safety Summary: No incidents or events reported. 59 days since LTI. Conducted Safety Meeting.							
Current Operations: Tripping in the hole with 8-3/4" clean out assembly at 10,343'.							
Planned Operations: Trip in hole from 10,343' to bottom. Drill out core stump and 2' of new hole to 10,462'. Pump sweep and clean hole. Trip out of the hole for coring assembly.							
Toolpusher: Steve King, Clay Nielson							
Wellsite Supervisors: Leroy Swearingen, Randy Baldwin						Tel No.:	

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	12:00	6.00	10,454	CORE	Coring 8 3/4" hole from 10,447' to 10,454'. 16K-20K WOB, 40 RPM, 22K-24K TORQ, 360 GPM, 1.3 FPH.	
12:00	15:45	3.75	10,460	CORE	Coring 8 3/4" hole from 10,454' TO 10,460'. 16-20K 20-21k WOB, 40 RPM 22-24K TORQ, 360 GPM, 1 TO 1.6 FPH	
15:45	16:30	0.75	10,460	CORE	Circulate bottom of hole and let weight drill off. Pick up to break off core.	
16:30	22:00	5.50	10,460	TRPO	Trip out of the hole from 10,460' to 77' with coring BHA #34.	
22:00	23:30	1.50	10,460	BHAOP	Lay down core assembly. Break off bit. All 9 nozzles partially plugged. Top stabilizers measured 8 -1/8" diameter, middle and near bit stabilizers measured 8-1/4". 30' of core cut, 25.7' of core recovered.	
23:30	0:00	0.50	10,460	BHAOP	Made up 8-3/4" re-run TCI bit #26 and BHA #35 for cleanout.	
0:00	1:30	1.50	10,460	TRPI	Trip in the hole to 4,933'. Fill pipe.	
1:30	2:30	1.00	10,460	CUTDL	Slip and cut 110' of drill line.	
2:30	6:00	3.50	10,460	TRPI	Trip in the hole from 4,933' to 10,343'. performing torque and drag values.	

Management Summary

Cored 8-3/4" hole from 10,447 to 10,460 FT. Circulated. Broke off core. Tripped out of the hole. Laid down core and core assembly. Broke off bit. All 9 nozzles partially plugged. 30' of core cut, 25.7' of core recovered. Made up 8-3/4" re-run TCI bit #26 and BHA #35. Tripped in the hole to 10,343'.

Comments

Fuel on hand 16016 gals.
Fuel used 1399 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	
13-Jun-23 22:00 at Depth 10,435 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.42	27				0.25	9.3	0.65					500									
13-Jun-23 14:00 at Depth 10,457 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.42	27				0.25	9.1	0.65					450									

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Engineering - OTHER	3	---	Lodging - OTHER	1	---
TORKease Concentrate - GALS	6	---			



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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			
26	3	SANJOAQ	EP4900	8.750	10460	0	0	0.0	0.0	0	0	0	8	350	325	85	54	11	129			
Jets: 24 24 24					Out:		Grade: Cutter:		/		Dull:		/		Wear:		Brgs:		Gge:		Pull:	
30	1	CANAMER	CCI-911	8.750	10430	30	22.75	1.3	2.4	18	40	23	8	375	950	121	110	24	197			
Jets: 12 12 12 12 12 12 12 12 12					Out: 10460		Grade: Cutter:		8 / 2		Dull: BT / WT		Wear:		Brgs:		Gge: 0		Pull: TD			
Comments: Inside cutters damaged. All nozzles plugged.																						
BHA - No. 35 - BIT, BS, XO, 30 HWDP = 924.24																						

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	
10,447	10,460	1.4	2.4	18	21	40	40	23	24	375	400	890
Annular Velocity:		Drill Collars:		333.5		Drill Pipe:		198.5				

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate: 260		Pick Up: 460		Slack Off: 170		Drag Avg/Max: /	
Hours on BHA:		Since Inspection: 154.25		Total: 154.25		Jars: 0			
Hours on Casing/Liner:		Rotating: 158.75 / 0		Tripping: 213.25 / 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)	
Shaker No 3:		170	170	200	170	Centrifuge 2: 12 (Solids Removal)	

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. PJSM with Canamera
First Aid Treatments:	0	Medical Treatments: 0
Lost Time Incidents:	0	Days Since LTI: 59
<input type="checkbox"/> BOP Test	<input type="checkbox"/> Crownamatic Check	

Weather Information

Sky Condition:	mostly clear	Visibility:	10
Air Temperature:	74 degF	Bar. Pressure:	1006
Wind Speed/Dir:	8 / SSW	Wind Gusts:	10