

**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: 67

Report For 06:00 AM 22-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10947	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8357	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:	0 / 0.0	Next BOP Test:	26-Jun-23	Working Interest:		Totals:	---
Average ROP (ft/hr):						Well Cost (\$):	---
Days (actual / plan):	Drilling 6.18 / 22,	Flat 0 / 0,	Complete 0 / 52,	Total 6.18 / 74		DOL:	67
Pers/Hrs:	Operator: 3 / 36	Contractor:	14 / 168	Service:	6 / 72	Other:	3 / 36
						Total:	26 / 312
Safety Summary: No incidents or events reported. 67 days since LTI. Conducted Crown Check, Safety Meeting.							
Current Operations: Circulating at 10,442' to cool wellbore.							
Planned Operations: Circulate to cool wellbore prior to running Baker pipe conveyed tools, rig up and run gyro, rig down same, pull out of the hole, rig up to run baker conveyed tools.							
Toolpusher: Shawn Seddell, Clay Nielson							
Wellsite Supervisors: Leroy Swearingen, Brian Gresham						Tel No.:	

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	16:30	10.50	10,947	REAM	Reaming 9 1/2" hole from 9,465' to 10,308', 2-5K WOB, 80 RPM, 23K-30K TORQ, 1000 GPM, 200-300 FPH.	
16:30	17:00	0.50	10,947	SERV	Service rig.	
17:00	19:15	2.25	10,947	REAM	Reaming 9 1/2" hole from 10,308' to 10,536', 2-5K WOB, 80 RPM, 30K-34K TORQ, 1000 GPM, 200-300 FPH. Note: Decision was made to stop reaming at 10,536' due to high torque.	
19:15	19:45	0.50	10,947	WASH	Wash in the hole from 10,535' to 10,715', 1,000 gpm. Pick up every 30' while washing down to check overpull.	
19:45	20:30	0.75	10,947	WASH	Pump out of the hole from 10,715' to 10,535', max overpull 550k,	
20:30	21:30	1.00	10,947	CIRC	Pump 65 bbl high vis polly sweep, circulate to surface with no noticeable increase in cuttings at the shakers.	
21:30	0:00	2.50	10,947	CIRC	Circulate to cool wellbore at 10,535' prior to running Baker pipe conveyed logging tools.	
0:00	0:15	0.25	10,947	WASH	Pump out of the hole from 10,535' to 10,442', max overpull 550k,	
0:15	6:00	5.75	10,947	CIRC	Circulate to cool wellbore at 10,442' prior to running Baker pipe conveyed logging tools.	

Management Summary

Reamed 9 1/2" hole from 9,465' to 10,308'. Serviced rig. Reamed 9 1/2" hole from 10,308' to 10,536'. Washed in the hole from 10,535' to 10,715', checking overpull every 30'. Pumped out of the hole from 10,715' to 10,535', max overpull 550k. Pumped 65 bbl high vis Polly sweep, circulated sweep to surface with no noticeable increase in cuttings at the shakers. Circulated to cool wellbore prior to running Baker pipe conveyed tools. Pumped out of the hole from 10,535' to 10,442', max overpull 550k. Circulated to cool wellbore prior to running Baker pipe conveyed tools.

Comments

Fuel on hand 15,959 gals.
Fuel used 3,999 gals.
Fuel delivered 7,500 gals.
Total NPT to date 121.50 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

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	
21-Jun-23 10:00 at Depth 9,639 ft Other Location, Type: Low Solids Non-Dispersed																					
8.40	27					10.1	0.65		99			350									



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Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	2	---	Engineering - OTHER	1	---
HIB 19 - GALS	1	---	PALlets/Wraps - OTHER	2	---

Bit/BHA/Workstring Information

BHA - No. 39 - OTHER, BS, STAB, DC, STAB, OTHER, STAB, XO, HWDP, XO, STAB, XO, 9 HWDP, XO, STAB, XO, 15 HWDP, JAR, 9 HWDP = 1157.13

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	290	Pick Up:	500	Slack Off:	150	Drag Avg/Max:	100 / 150
Hours on BHA:	Since Inspection:		Total:		Jars:	24		
Hours on Casing/Liner:	Rotating:	33 / 14	Tripping:	5 / 0			<input type="checkbox"/> Wear Bushing Installed	

Rig Information

Equipment Problems: Water pump out on one mud coolers, DrillCool arrived at 23:45 hrs and replaced coupler.

Location Condition: Good.

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom	Equipment Usage (Hrs):		
Shaker No 1:	170	170	200	170	Desander:	0	Degasser: 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	30	Two Pre-tour safety meetings held daily with crew.
First Aid Treatments:	0	Medical Treatments: 0
Lost Time Incidents:	0	Days Since LTI: 67
Accident Description: None to report.		
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check	

Weather Information

Sky Condition:	Clear	Visibility:	10
Air Temperature:	69 degF	Bar. Pressure:	1016
Wind Speed/Dir:	8 / N	Wind Gusts:	10