



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: 11 Report For 06:00 AM 27-Apr-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	1146	Last Casing:		Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	1135	Next Casing:		RKB Elevation (ft):	31	---	---
Proposed TD (ft):		Last BOP Test:		Job Reference RKB (ft):		---	---
Hole Made (ft) / Hrs:	646 / 6.0	Next BOP Test:		Working Interest:		Totals:	---
Average ROP (ft/hr):	107.67					Well Cost (\$):	---

Days (actual / plan): Drilling 0.4 / 0, Flat 0 / 0, Complete 0 / 0, Total 0.4 / 0 DOL: 11

Pers/Hrs: Operator: 14 / 168 Contractor: 3 / 36 Service: 10 / 120 Other: 2 / 24 Total: 29 / 348

Safety Summary: No incidents or events reported. 11 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: Cementing as per prog at report time, details to follow.

Planned Operations: Cement 16" surface casing as per prog.

Toolpusher: Shawn Seddell

Wellsite Supervisors: Leroy Swearingen, Brian Gresham Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	8:00	2.00	800	DRILR	Drill Surface f/ 500' t/ 800'. WOB 10, RPM 30, TQ 7500, SPP 1660, DIFF 280, GPM 940, ROP 115	
8:00	8:30	0.50	800	DRILR	Trouble breaking out of stump.	
8:30	11:00	2.50	1,000	DRILR	Drill Surface f/ 800' t/ 1000'. WOB 20, RPM 30, TQ 12000, SPP 2165, DIFF 700, GPM 1100, ROP 105	
11:00	12:00	1.00	1,000	CIRC	Circulate to build volume. Shakers blinding off.	
12:00	13:00	1.00	1,146	DRILR	Drill Surface f/1,000' t/ 1,146'. WOB 20, RPM 30, TQ 12000, SPP 2200, DIFF 810, GPM 1120, ROP 120	
13:00	14:30	1.50	1,146	CIRC	Circulate hole clean. Pump 2 high viscosity sweeps.	
14:30	18:45	4.25	1,146	WIPE	Wipe hole f/1,146' t/surface with no issues. Max over pull of 15k, full displacement while running back to bottom, 4' of fill.	
18:45	20:00	1.25	1,146	CIRC	Pump 50 bbl high vis sweep with nutplug caliper. Circulate surface to surface strokes,calculated 3%-hole washout. Circulate additional surface to surface strokes. Spot 50 bbl high vis sweep on bottom.	
20:00	21:30	1.50	1,146	TRPO	Trip out of the hole f/1,146 t/ BHA, hole taking proper fill.	
21:30	23:00	1.50	1,146	BHAOP	Rack back HWDP along with 8" DC's. lay down stabilizer, rack back NMDC's. drain motor and break bit. Note: Motor drained good with minimal movement in bearing assembly. Bit grade 0-1-WT-S-X-0-NO-TD. Minimal balling on stabilizer or bit.	
23:00	23:30	0.50	1,146	OTHER	Clean and clear rig floor.	
23:30	0:45	1.25	1,146	RIGU	Hold detailed safety meeting with B&L casing service along with rig crew and DSM. Rig up to run 16" surface casing.	
0:45	3:45	3.00	1,146	CASE	Make up shoe track and check floats, run 16-inch x 84 ppf, JFE110T, BTC casing t/ with full displacement. Top filling on the fly. Shoe set depth 1,136'	
3:45	5:00	1.25	1,146	CIRC	Circulate 2 bottoms up at 8 bbl's min with full returns. Note: Circulated with CRT, rigged down casing crew while circulating,	
5:00	5:30	0.50	1,146	RIGU	Hold detailed safety meeting with SLB cementing along with rig crew and DSM. Rig up cement head along with iron.	
5:30	6:00	0.50	1,146	CMTF	Surface test lines t/3000 high. Pump cement as per prog at report time, details to follow.	

Management Summary

Drilled Surface section f/ 500' t/ 800'. Rigged down grabber box on TDS to break out of stump with tongs. Drilled Surface section f/ 800' t/ 1,000'. Circulated to build volume in mud pits. Drilled Surface section f/ 1,000' t/ 1,146' (casing point). Pumped 2 high viscosity sweeps and circulated hole clean Wiped hole f/1,146' to surface. Pumped 50 bbl high vis sweep with nutplug caliper. Circulated hole clean. Tripped out of the hole t/surface. Handled BHA. Held safety meeting, rigged up and ran 16-inch x 84 ppf, JFE110T, BTC surface casing to set depth of 1,136'. Circulated 2 bottoms up. Held safety meeting and rigged up SLB cementing. Cementing as per prog at report time, details to follow.

Comments

Fuel on hand 17,363 gals.
Fuel used 1,478 gals.
Total NPT to date 0 HR



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Bit/BHA/Workstring Information

No	Run	Make	Model	Diam	Depth		This Run		R.O.P.		Mud		Pump		J. Vel	P. Drp	HHP	JIF
					In	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow				
1	1	NOV	TK99	22.000	120	380	3.5											

Jets: 12 12 12 12 12 12 12 12 12 12 21 Out: 1146 Grade: Cutter: 0/1 Dull: WT/NO Wear: S Brgs: X Gge: 0 Pull: TD

Comments: Bit has a TFA of 1.32 with 12x12s

BHA - No. 1 - BIT, MMTR, STAB, DCM, PC, HSUB, OTHER, PC, XO, 9 DC, XO, HWDP = 843.58

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	
500	1,146	130.0	350.0	15	35	20	40	12	16	950	1,150	2,200

Annular Velocity: Drill Collars: 56.0 Drill Pipe: 62.0

Miscellaneous Drilling Parameters

Hook Loads (lbs): Off Bottom Rotate: 125 Pick Up: 130 Slack Off: 120 Drag Avg/Max: 5 / 10

Hours on BHA: Since Inspection: 9 Total: 9 Jars: 0

Hours on Casing/Liner: Rotating: 0 / 0 Tripping: 0 / 0 Wear Bushing Installed

Rig Information

Equipment Problems: Replaced water pump on #4 generator, #3 generator not running properly, tech is currently troubleshooting.

Location Condition: Good.

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom	Equipment Usage (Hrs):		
Shaker No 1:	60	60	60	60	Desander: 0	Desilter: 0	Degasser: 0
Shaker No 2:	60	60	60	60			
Shaker No 3:	60	60	60	60			

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.5	365	24.7	S-135	OTHER					

Safety Information

Meetings/Drills	Time	Description
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Safety 30 Two Pre-tour safety meetings held daily with crews. Review planned operations, Handling BHA, Making up and running casing.

First Aid Treatments: 0 Medical Treatments: 0 Lost Time Incidents: 0 Days Since LTI: 11

Accident Description: None.

BOP Test Crownamatic Check

Weather Information

Sky Condition: Partly Cloudy	Visibility: 10
Air Temperature: 56 degF	Bar. Pressure: 29.95
Wind Speed/Dir: 5 / SW	Wind Gusts: 8