

**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: 18

Report For 06:00 AM 04-May-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	4845	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	4844	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:	20-May-23	Working Interest:		Totals:	---
Average ROP (ft/hr):						Well Cost (\$):	---
Days (actual / plan):	Drilling 1.74 / 0, Flat 0 / 0, Complete 0 / 0, Total 1.74 / 0						DOL: 18
Pers/Hrs:	Operator: 3 / 36	Contractor:	14 / 128	Service:	22 / 220	Other:	3 / 36 Total: 42 / 420
Safety Summary: No incidents or events reported. 18 days since LTI. Conducted Safety Meeting.							
Current Operations: Measuring cement fallback for possible cement top job.							
Planned Operations: Nipple down 21-1/4" BOPs and nipple up 13-5/8" 3M BOPs.							
Toolpusher: Shawn Seddell, Jason Postma							
Wellsite Supervisors: Leroy Swearingen, Randy Baldwin						Tel No.:	

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	14:45	8.75	4,845	CASE	Run in hole with 11 3/4", 65 #/ft, JFE 110 and JFE 125 casing from 150' to 4,837' shoe depth.	
14:45	15:45	1.00	4,845	CIRC	Rig down B&L casing crew while circulating casing prior to cement job.	
15:45	17:30	1.75	4,845	CASE	Rig down CRT tool.	
17:30	17:45	0.25	4,845	CMTP	Rig up SLB to cement 11 3/4" Intermediate string.	
17:45	18:15	0.50	4,845	SAFETY	Held safety meeting with SLB cementers, FORGE DSM's, Rig Managers and crew.	
18:15	22:30	4.25	4,845	CMTP	Run in hole with 11 3/4", 65 #/ft, JFE 110 and JFE 125 casing from 150' to 4,837' shoe depth. Circulated with CRT. Rigged down casing running equipment and CRT. Rigged up cement pumping equipment. Pumped primary cement job as follows. Dropped bottom plug with 5 bbls of water, Test lines to 3500 psi. Pumped 50 bbls of 11.5 ppg spacer, 549 bbls of 14 ppg cement. Dropped top plug and displaced with 520 bbls of mud and water. Bumped plug. Checked floats (OK). CIP at 21:50. Good returns through out job. Waited 20 minutes and attempted to drain BOP stack. No cement. Waited on cement.	
22:30	6:00	7.50	4,845	WOC	Waited on cement. Removed and cleaned out flow line. 4 bolted stack. Changed out pump liners from 6" to 5.5".	

Management Summary

Run in hole with 11 3/4", 65 #/ft, JFE 110 and JFE 125 casing from 150' to 4,837' shoe depth. Circulated with CRT. Rigged down casing running equipment and CRT. Rigged up cement pumping equipment. PJSM. Pumped primary cement job as follows. Dropped bottom plug with 5 bbls of water, Test lines to 3500 psi. Pumped 50 bbls of 11.5 ppg spacer, 549 bbls of 14 ppg cement. Dropped top plug and displaced with 10 bbls of water, 496 bbls of mud and 14 bbls of water. Bumped plug. Checked floats (OK). CIP at 21:50. 67 bbls of good cement back. Waited 20 minutes and attempted to drain BOP stack. No cement. Waited on cement.

Comments

Fuel on hand 15050 gals.
 Fuel used 1,363 gals.
 Total NPT to date 12.25 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	Loss
03-May-23 15:00 at Depth 4,845 ft Mud Pits, Type: Low Solids Non-Dispersed																
9.00	38	13	7	4.8	1	8	5		95			3000	80		3	125

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Engineering - OTHER	1	---			



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Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	Pick Up:	Slack Off:	Drag Avg/Max:	/
Hours on BHA:	Since Inspection: 33.25	Total: 33.25	Jars:		
Hours on Casing/Liner:	Rotating: 33.25 / 26	Tripping: /		<input type="checkbox"/> Wear Bushing Installed	

Rig Information

Equipment Problems:

Location Condition:

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom
Shaker No 1:	120	120	120	120
Shaker No 2:	120	120	120	120
Shaker No 3:	120	120	120	120

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
Safety	60	Two Pre-tour safety meetings held daily with crews. Casing running procedures. Cementing procedures.
First Aid Treatments:	Medical Treatments:	Lost Time Incidents:
<input type="checkbox"/> BOP Test	<input type="checkbox"/> Crownamatic Check	Days Since LTI: 18

Weather Information

Sky Condition: Mostly Sunny	Visibility: 10
Air Temperature: 67 degF	Bar. Pressure: 1002
Wind Speed/Dir: 16 / SSW	Wind Gusts: