

**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: 89** **Report For 06:00 AM 14-Jul-23**

<b>Operator:</b> UNIVERSITY OF UTAH	<b>Rig:</b> Frontier 16	<b>Spud Date:</b> 26-Apr-23	<b>Daily Cost / Mud (\$):</b> ---		
<b>Measured Depth (ft):</b> 10947	<b>Last Casing:</b> 7.000 at 10,208	<b>Wellbore:</b> Original Wellbore	<b>AFE No.</b>	<b>AFE (\$)</b>	<b>Actual (\$)</b>
<b>Vertical Depth (ft):</b> 8357	<b>Next Casing:</b>	<b>RKB Elevation (ft):</b> 31	---	---	---
<b>Proposed TD (ft):</b> 10658	<b>Last BOP Test:</b> 27-May-23	<b>Job Reference RKB (ft):</b>	---	---	---
<b>Hole Made (ft) / Hrs:</b> 0 / 0.0	<b>Next BOP Test:</b> 26-Jun-23	<b>Working Interest:</b>	<b>Totals:</b>	---	---
<b>Average ROP (ft/hr):</b>			<b>Well Cost (\$):</b>	---	---
<b>Days (actual / plan):</b> Drilling 6.18 / 22, Flat 0 / 0, Complete 0 / 52, Total 6.18 / 74					<b>DOL:</b> 89
<b>Pers/Hrs: Operator:</b> 2 / 0	<b>Contractor:</b> 14 / 0	<b>Service:</b> 9 / 0	<b>Other:</b> 6 / 0	<b>Total:</b> 31 / 0	

**Safety Summary:** No incidents or events reported. 89 days since LTI. Conducted Safety Meeting.**Current Operations:** Waiting on cement to set.**Planned Operations:** Lift BOP stack. Secure fiber optics. Nipple down and remove 13 5/8" X 5,000 BOPEs. Install 7-1/16" 10,000 BOPEs with fiber optics.**Toolpusher:** Steve King, 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	11:00	5.00	10,947	CMTF	Finish pumping 50 bbl 12.5 ppg spacer. Mix and pump 318 bbls of plan 13.8 ppg cement. Actual density was between 12.5 -13.6 ppg cement due to the thickness of the cement being mixed. Pump rates are between 2-4 bpm. At 318 bbls of cement pumped, cement mixer became plugged. Attempt to un plug. Switch out pump trucks. Pump an additional 336 bbls of 12.9 to 13.6 ppg cement at 3 to 5 bpm. Drop plug and displace with 328 bbls of water. Bump plug. Check floats. Floats held. Returned 2.5 bbls. CIP at 10:56. Approx 80 bbls of light cement returns. (11.2 ppg start to 12.1 ppg at the end). Closed casing valves. Open casing valve, well on a vacuum. Close casing valve.	
11:00	6:00	19.00	10,947	WOC	Wait on cement. Install valves on 7-1/16" mudcross. Clean radiators on generators. Identify leaks on separator.	

**Management Summary**

Finished pumping 50 bbl of 12.5 ppg spacer. Mixed and pumped 318 bbls of the plan 13.8 ppg cement. Actual density was between 12.5 -13.6 ppg cement due to the thickness of the cement being mixed. Pump rates were between 2-4 bpm. At 318 bbls of cement pumped, cement mixer became plugged. Attempted to un plug. Switched out cement pump trucks. Pumped an additional 336 bbls of 12.9 to 13.5 ppg cement at 3 to 5 bpm. Dropped plug and displaced with 328 bbls of water. Bumped plug. Checked floats. Floats held. 2.5 bbls back. CIP at 10:56. Approx 80 bbls of light cement returns. (11.4 ppg start. 12.1 ppg end). Closed casing valves. Opened casing valve. Well on a vacuum. Closed casing valve.

**Comments**

Fuel on hand 8,670 gals.  
 Fuel used 636 gals.  
 Temp in F  
 Temp out F  
 Total NPT to date 122.50 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	
LINER	7.000	7	0	10,208	8,061	INT2	9.500	38	VSTP110M	

**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-Jul-23 14:00 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed																				
8.40	27						0.65		99			2000								

**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: 0	Total: 0	Jars: 0		
Hours on Casing/Liner:	Rotating: 0 / 0	Tripping: 0 / 0	<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:	200	200	200	200
Shaker No 2:	200	200	200	200
Shaker No 3:	200	200	200	200

### Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
3.5	30	15.5	S-135	3.5IF					

### Safety Information

Meetings/Drills	Time	Description
Safety	30	Two Pre-tour safety meetings with crews,
First Aid Treatments:	0	Medical Treatments: 0
Lost Time Incidents: 0		Days Since LTI: 89
<input type="checkbox"/> BOP Test		<input type="checkbox"/> Crownamatic Check

### Weather Information

Sky Condition: Clear	Visibility: 10
Air Temperature: 96 degF	Bar. Pressure: 1004
Wind Speed/Dir: 9 / SSW	Wind Gusts: 12