



**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: 83** **Report For 06:00 AM 08-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> 11.750 at 4,837	<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> 7.000 at 10,159	<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> 83
<b>Pers/Hrs: Operator:</b> 2 / 0	<b>Contractor:</b> 14 / 0	<b>Service:</b> 3 / 0	<b>Other:</b> 4 / 0	<b>Total:</b> 23 / 0	

**Safety Summary:** No incidents or events reported. 83 days since LTI. Conducted Safety Meeting.

**Current Operations:** Tripping out of the hole at 5,100'.

**Planned Operations:** Finish tripping out of the hole. Lay down BHA. Run in hole with 8-3/4" bit to bottom. Spot bentonite pill. Pull out of the hole laying down drill pipe.

**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	8:00	2.00	10,947	TRPI	Trip in the hole with reaming assembly, BHA #44.	
8:00	12:00	4.00	10,947	REAM	Ream hole from 6,500' to 7,431'. 800 gpm, 80 rpm, 4K - 13K wob, 10K - 15K torq.	
12:00	13:00	1.00	10,947	TRPI	Trip in hole from 7,431' to 9,951'.	
13:00	14:30	1.50	10,947	REAM	Begin reaming from 9,951' to 10,300'.	
14:30	16:00	1.50	10,947	CIRC	Circulate at 10,300' for samples and to clean hole for casing run.	
16:00	16:30	0.50	10,947	SERV	Service rig and top drive.	
16:30	18:30	2.00	10,947	CIRC	Pump high viscosity sweep to clean hole.	
18:30	21:00	2.50	10,947	TRPO	Trip out of the hole from 10,300' to 5500'.	
21:00	5:00	8.00	10,947	REAM	Ream hole from 5,500' to 7,300'. 800 gpm, 80 rpm, 5K - 15K wob, 5K - 10 torq.	
5:00	6:00	1.00	10,947	TRPO	Trip out of the hole from 7,300' to 5,100'.	

**Management Summary**

Tripped in the hole with reaming assembly, BHA #44. Reamed hole from 6,500' to 7,431'. Tripped in hole from 7,431' to 9,951'. Reamed from 9,951' to 10,300'. Pumped high viscosity sweep and cleaned hole. Tripped out of the hole from 10,300' to 5500'. Reamed hole from 5,500' to 7,300'. Tripped out of the hole from 7,300' to 5,100'.

**Comments**

Fuel on hand 13,123 gals.  
 Fuel used 775 gals.  
 Temp in 115 F  
 Temp out 130 F  
 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**

%													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
07-Jul-23 12:00 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed																				
8.40	27					9.7	0.65		95			1200								

**Mud Consumables**

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	3	---	Engineering - OTHER	1	---
HIB 19 - GALS	1	---	Poly Vis - 50#SK	4	---
Xanthan Gum - 50#SK	4	---			

**Bit/BHA/Workstring Information**



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BHA - No. 44 - OTHER, BS, STAB, DC, STAB, OTHER, STAB, DC, STAB, XO, 9 HWDP, XO, STAB, XO, 12 HWDP, JAR, 12 HWDP = 1163.75

### Drilling Parameters

Depth (ft)		ROP (ft/hr)		WOB (lbs)		RPM		Torque (ft lbs)		Flow (gals/min)		Pressure
From	To	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	(psi)
6,500	7,431	300.0	300.0	10	18	80	80	10	18	800	800	1,520
Annular Velocity:		Drill Collars:		423.0		Drill Pipe:		326.8				
Comments: Reaming												
5,500	7,500	300.0	300.0	10	13	80	80	10	15	800	800	1,470
Annular Velocity:		Drill Collars:		423.0		Drill Pipe:		326.8				
Comments: Reaming												

### Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	240	Pick Up:	460	Slack Off:		Drag Avg/Max:	/
Hours on BHA:	Since Inspection:	27	Total:	27	Jars:	27		
Hours on Casing/Liner:	Rotating:	62 / 0	Tripping:	90 / 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:	200	200	200	200	Desander: 0	Desilter: 0	Degasser: 0
Shaker No 2:	200	200	200	200	Centrifuge 1: 12 (Solids Removal)		Centrifuge 2: 12
Shaker No 3:	200	200	200	200			

### 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 crews.
First Aid Treatments:	0	Medical Treatments: 0
Lost Time Incidents:		0
Days Since LTI:		83
<input type="checkbox"/> BOP Test	<input type="checkbox"/> Crownamatic Check	

### Weather Information

Sky Condition:	Clear	Visibility:	
Air Temperature:	86 degF	Bar. Pressure:	1005
Wind Speed/Dir:	13 / S	Wind Gusts:	18