

**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: 10

Report For 06:00 AM 26-Apr-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> 500		<b>Last Casing:</b>		<b>Wellbore:</b> Original Wellbore		<b>AFE No.</b>		<b>AFE (\$)</b>	<b>Actual (\$)</b>
<b>Vertical Depth (ft):</b> 500		<b>Next Casing:</b>		<b>RKB Elevation (ft):</b> 31		---		---	---
<b>Proposed TD (ft):</b>		<b>Last BOP Test:</b>		<b>Job Reference RKB (ft):</b>		---		---	---
<b>Hole Made (ft) / Hrs:</b> 380 / 3.5		<b>Next BOP Test:</b>		<b>Working Interest:</b>		<b>Totals:</b>		---	---
<b>Average ROP (ft/hr):</b> 108.57						<b>Well Cost (\$):</b> ---			
<b>Days (actual / plan):</b> Drilling 0.15 / 0,		Flat 0 / 0,		Complete 0 / 0,		Total 0.15 / 0			<b>DOL:</b> 10
<b>Pers/Hrs:</b> <b>Operator:</b> 14 / 168		<b>Contractor:</b> 3 / 36		<b>Service:</b> 7 / 84		<b>Other:</b> 2 / 24		<b>Total:</b> 26 / 312	
<b>Safety Summary:</b> No incidents or events reported. 10 days since LTI. Conducted Crown Check, Safety Meeting.									
<b>Current Operations:</b>		Drilling Surface Hole Section at 500'.							
<b>Planned Operations:</b>		Drill Surface Hole Section to casing point.							
<b>Toolpusher:</b>		Shawn Seddell							
<b>Wellsite Supervisors:</b> Leroy Swearingen, Brian Gresham						<b>Tel No.:</b>			

**Operations Summary**

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	18:00	12.00		RIGU	Walk catwalk into place, change liner washers on mud pumps, rig up yellow dog and run hoses back to mud tanks, change elevators to 5 1/2", make up 5 1/2" saver sub and install clamps, install drill pipe and collar ropes in board, bring bit to rig floor, stage BHA. Test mud lines from mud pumps to top drive to 1500 psi for 15 minutes. Fill conductor and check flow line and shakers, install PVC pipe for shale shaker slides. Begin mudding up system for spud. Accept rig at 18:00, 4-25-2023.	
18:00	20:30	2.50		RIGU	Install liners in open top tanks for cement returns, lay plastic around shaker area.	
20:30	22:30	2.00		BHAOP	Make up 22" surface hole section BHA #1 as followed. 22" PDC (TK99), 9.5" Motor set at 0 deg, 21.875" string stab, 9.5" NMDC, 9.5" Pony Collar, 9.5" Hangoff Sub, 9.5" Hybrid Sub, 9.5" Pony Sub, X/O.	
22:30	2:30	4.00		BHAOP	Layout Drill collars along with HWDP on racks, strap and ready for pickup. Build stand of 8" drill collars in mouse hole.	
2:30	6:00	3.50		DRIL	Drill 22" Surface hole f/120' t/500' Spud well at 02:30 4-26-2023.	

**Management Summary**

Walked catwalk into place. Rigged up yellow dog pump to shaker slides. Changed out Elevators along with Saver Sub. Dressed out Derrick Board. Set tools on rig floor. Tested mud lines from mud pumps to top drive to 1500 psi for 15 minutes. Filled conductor and checked surface equipment. Installed PVC pipe for shale shaker slides. Mudded up system for spud. Conducted pre-spud inspection of rig and components. Made up 22" surface hole section BHA #1. Laid out Drill collars along with HWDP on racks. Built stand of 8" drill collars in mouse hole. Drilled 22" surface hole f/120' t/500'.

**Comments**

Accept rig at 18:00, 4-25-2023. Spud well at 02:30 4-26-2023.  
 Fuel on hand 18,841 gals.  
 Fuel used 700 gals.  
 Fuel delivered 7,500 gals.  
 Total NPT to date 0 HR

**Bit/BHA/Workstring Information**

				Depth		This Run		R.O.P.				Mud		Pump					
No Run	Make	Model	Diam	In	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow	Press	J. Vel	P. Drp	HPH	JIF	
1	1 NOV	TK99	22.000	120	380	3.5	108.6	350.0	10	30	5	9	1000	1650	241	457	266	1097	

Jets: 12 12 12 12 12 12 12 12 12 21 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

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	
From	To	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max		(psi)
120	500	100.0	350.0	10	20	20	40	4	6	650	1,000		1,500

Annular Velocity: Drill Collars: 45.0 Drill Pipe: 60.0

**Miscellaneous Drilling Parameters**

Hook Loads (lbs):	Off Bottom Rotate:	110	Pick Up:	112	Slack Off:	109	Drag Avg/Max:	2 / 3
Hours on BHA:	Since Inspection:	3.5	Total:	3.5	Jars:	0		



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## Rig Information

Equipment Problems:

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
Safety	30	Two Pre-tour safety meetings held daily with crews. Review planned operations, Picking up Dir Assembly.
First Aid Treatments:	0	Medical Treatments: 0
Lost Time Incidents:	0	Days Since LTI: 10
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check	

## Weather Information

Sky Condition: Partly Cloudy	Visibility: 10
Air Temperature: 38 degF	Bar. Pressure: 30.09
Wind Speed/Dir: 10 / SW	Wind Gusts: 15