

**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: 61

Report For 06:00 AM 16-Jun-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10493	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8180	Next Casing:	7.000 at 10,159	RKB Elevation (ft):	31	---	---
Proposed TD (ft):	10658	Last BOP Test:	27-May-23	Job Reference RKB (ft):	---	---	---
Hole Made (ft) / Hrs:	23 / 0.0	Next BOP Test:	19-Jun-23	Working Interest:	Totals:	---	---
Average ROP (ft/hr):					Well Cost (\$):	---	---
Days (actual / plan):	Drilling 5.99 / 22,	Flat 0 / 0,	Complete 0 / 52,	Total 5.99 / 74		DOL:	61
Pers/Hrs:	Operator: 3 / 36	Contractor:	14 / 168	Service:	6 / 72	Other:	2 / 24
						Total:	25 / 300
Safety Summary: No incidents or events reported. 61 days since LTI. Conducted Crown Check, Safety Meeting.							
Current Operations: Laying out reaming assembly.							
Planned Operations: Make up 9 1/2" reaming assembly, trip in the hole to 10,250', Open hole from 10,250' to 10,493'. Drill 10' of new formation. Trip out of the hole from 10,503'.							
Toolpusher: Steve King, Clay Nielson							
Wellsite Supervisors: Leroy Swearingen , Brian Gresham						Tel No.:	

**Operations Summary**

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	23:00	17.00	10,493	CORE	Coring 8 3/4" hole from 10,470' to 10,493'. 9K-14K WOB, 35 RPM, 23K-25K TORQ, 380 GPM, 1.7 FPH.	
23:00	23:45	0.75	10,493	CIRC	Circulate partial bottoms up. Break off core. Verify core had broken off. Note: 450K overpull when breaking off core. 500K max overpull.	
23:45	4:00	4.25	10,493	TRPO	Trip out of the hole from 10,493' to BHA.	
4:00	5:30	1.50	10,493	BHAOP	Lay down core assembly. Break off bit. Top stabilizers measured 8 -1/8" diameter, middle and near bit stabilizers measured 8-1/4". 31' of core cut, 27' of core recovered.	
5:30	6:00	0.50	10,493	SERV	Lay out reaming assembly and prep to pick up.	

**Management Summary**

Cored 8 3/4" hole from 10,470' to 10,493'. Circulated. Broke off core. Tripped out of the hole. Laid down core and core assembly, 31' of core cut, 27' of core recovered. Serviced rig.

**Comments**

Fuel on hand 12,701 gals.  
 Fuel used 1,883 gals.  
 Total NPT to date 120.25 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	10m	30m	In	Out	Loss	
15-Jun-23 13:00 at Depth 10,479 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.42	27			100	0.25	9.3	0.65					400									

**Mud Consumables**

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	1	---	Engineering - OTHER	2	---
HIB 19 - GALS	1	---	Lodging - OTHER	1	---
TORKease Concentrate - GALS	5	---			

**Bit/BHA/Workstring Information**

Drilling 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	HP	JIF	
31	1	CANAMER	CCI	8.750	10462	31	22.5	1.4	2.2	18	35	26	8	375	450	114	98	21	186	
Jets: 14 14 14 14 14 14 14					Out:		Grade: Cutter: /			Dull: /		Wear:		Brgs:		Gge:		Pull:		
BHA - No. 36 - BIT, NBS, CORE, STAB, CORE, STAB, OTHER, JAR, XO, 30 HWDP = 992.79																				



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## 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	
10,470	10,493	1.7	2.5	14	14	35	45	24	26	380	425	480
Annular Velocity:		Drill Collars:		121.6		Drill Pipe:		374.1				

## Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	265	Pick Up:	470	Slack Off:	170	Drag Avg/Max:	125 / 160
Hours on BHA:	Since Inspection:	176.75	Total:	176.75	Jars:	22.5		
Hours on Casing/Liner:	Rotating:	181.25 / 0	Tripping:	228.25 / 0	<input checked="" type="checkbox"/> Wear Bushing Installed			

## Rig Information

Equipment Problems:	None to report.							
Location Condition:	Good.							
Transport:								

## Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom	Equipment Usage (Hrs):			
Shaker No 1:	170	170	200	170	Desander:	0	Desilter:	0
Shaker No 2:	170	170	200	170	Centrifuge 1:	12 (Solids Removal)	Centrifuge 2:	12 (Solids Removal)
Shaker No 3:	170	170	200	170				

## 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 crew.						
First Aid Treatments:	0	Medical Treatments:	0	Lost Time Incidents:	0	Days Since LTI:	61	
Accident Description: None to report.								
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check							

## Weather Information

Sky Condition:	Cloudy	Visibility:	10
Air Temperature:	65 degF	Bar. Pressure:	1014
Wind Speed/Dir:	14 / SW	Wind Gusts:	20