

**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: 92

Report For 06:00 AM 17-Jul-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10947	Last Casing:	7.000 at 10,208	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8357	Next Casing:		RKB Elevation (ft):	31	---	---
Proposed TD (ft):	10658	Last BOP Test:	27-May-23	Job Reference RKB (ft):		---	---
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	26-Jun-23	Working Interest:		Totals:	---
Average ROP (ft/hr):						Well Cost (\$):	---
Days (actual / plan):	Drilling 6.18 / 22,	Flat 0 / 0,	Complete 0 / 52,	Total 6.18 / 74		DOL:	92
Pers/Hrs:	Operator: 2 / 0	Contractor:	14 / 0	Service:	4 / 0	Other:	1 / 0
						Total:	21 / 0

Safety Summary: No incidents or events reported. 92 days since LTI. Conducted Safety Meeting.

Current Operations: Finishing rig service.

Planned Operations: Run logs. Rig up for circulation test.

Toolpusher: Shawn Seddell, Clay Nielson

Wellsite Supervisors: Leroy Swearingen, Randy Baldwin

Tel No.:

**Operations Summary**

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	9:00	3.00	10,947	CMTD	Drill out cement in shoe track f/ 10,181' t/ 10,218'. Drill shoe f/ 10,218' t/10,220'. Very light cement in shoe track and after drilling out.	
9:00	14:30	5.50	10,947	CMTD	Drill cement f/ 10,220' t/ 10,310'. Wash and circulate from 10,310' to 10947'.	
14:30	16:00	1.50	10,947	CIRC	Pump 2 high viscosity sweeps and circulate 2 bottoms up to clean hole and to catch samples.	
16:00	16:30	0.50	10,947	TRPO	Back ream out of the hole to 10,204' to clean hole on the way out. SLM.	
16:30	18:00	1.50	10,947	CIRC	Pump high viscosity sweep and clean hole.	
18:00	23:00	5.00	10,947	TRPO	Trip out of the hole from 10,204' to surface. SLM. Break out bit and near bit. Stand back drill collars and string stab.	
23:00	4:00	5.00	10,947	OTHER	Move choke house and trip tank. Rig up flex hose to separator lines Spot separator and rig up.	
4:00	5:30	1.50	10,947	OTHER	Fix leaks on ST-80. Remove ditch magnets. General housekeeping on rig and location.	
5:30	6:00	0.50	10,947	SERV	Serviced rig.	

**Management Summary**

Drilled out cement in shoe track f/ 10,181' t/ 10,218'. Drilled shoe f/ 10,218' t/10,220'. Very light cement in shoe track. Drill cement from 10,220' to 10,310'. Washed and circulated from 10,310' to 10947'. Pumped 2 high viscosity sweeps and cleaned hole. Back reamed out of the hole to 10,204'. SLM. Pumped high viscosity sweep and cleaned hole. Tripped out of the hole from 10,204' to surface. SLM .5 ft difference. Rigged up separator.

**Comments**

Fuel on hand 13,634 gals.  
 Fuel used 1272 gals.  
 Temp in 97 F  
 Temp out 113 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			
16-Jul-23 13:45 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed																							
8.40	27			80	0.25	9.5	0.65		99			1900											

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**Mud Consumables**

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Bicarb - 50#SK	2	---	Desco - 25#SK	5	---
Engineering - OTHER	1	---	Polythin - OTHER	4	---

**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	HHP	JIF
34	1	SANJOAQ	tricone	5.500	10947	280	7.5	37.3	200.0	8	68	9	8	250	2000	61	28	4	66

Jets: 24 24 24

Out: 10947

Grade: Cutter: 5 / 4

Dull: BT / WT

Wear: N

Brgrs: F

Gge: 1

Pull: TD

Comments: 2 cones loose.

BHA - No. 46 - BIT, NBS, DC, STAB, 23 DC = 748.80

**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	Avg	Max
10,206	10,208	0.1	0.1	8	12	68	70	8	9	250	250	2,150	

Annular Velocity: Drill Collars: 490.8 Drill Pipe: 268.8

Comments: Drill out float shoe.

**Miscellaneous Drilling Parameters**

Hook Loads (lbs):	Off Bottom Rotate:	Pick Up:	Slack Off:	Drag Avg/Max:	/
Hours on BHA:	Since Inspection:	7.5	Total:	7.5	Jars: 0
Hours on Casing/Liner:	Rotating:	/ 7.5	Tripping:	/ 23	<input 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
Shaker No 2:	200	200	200	200	Centrifuge 1:	12 (Solids Removal)	Centrifuge 2: 12 (Solids Removal)
Shaker No 3:	200	200	200	200			

**Drill Pipe Inventory**

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
3.5"	362	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:	92		
<input type="checkbox"/> BOP Test		<input type="checkbox"/> Crownamatic Check							

**Weather Information**

Sky Condition:	Clear	Visibility:	10
Air Temperature:	101 degF	Bar. Pressure:	1007
Wind Speed/Dir:	9 / S	Wind Gusts:	15