



# 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: 91

Report For 06:00 AM 16-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:	91
Pers/Hrs:	Operator: 2 / 0	Contractor: 14 / 0	Service: 2 / 0	Other: 4 / 0	Total:		22 / 0
Safety Summary: No incidents or events reported. 91 days since LTI. Conducted Safety Meeting.							
Current Operations: Drilling out shoe track at 10,181'.							
Planned Operations: Finish drilling out shoe track. Clean out bentonite plug from 10,208' to 10,947'. Pump sweeps and clean hole. Trip out of the hole.							
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	10:00	4.00	10,947	BOPT	Test pipe rams to 250 psi low, 6,000 psi high (limited by top drive weight). Test inside and outside kill valves, inside choke valve, HCR, IBOP, TIW valves to 250 psi low, 6,000 psi high. Test blind rams and all 7" flanges below blind rams to 250 psi low, 8,500 psi high. The top seal of three on the CSBS metal seal inside the adapter flange was leaking. Could not get a good test of top seal. Was able to get a test on the bottom two seals.	
10:00	13:30	3.50	10,947	OTHER	Pick up rotating head clamp and bearing pack and install. Loading pipe racks with collars and drill pipe. Move Baker fiber optic unit. Waiting on Silixa to run testing on fiber.	
13:30	1:30	12.00	10,947	TRPI	Make up 5 1/2" bit, 5 1/4" near bit stabilizer w/ float, 1 joint of drill collars, 5 1/4" stabilizer and 23 joints of drill collars. Run in hole on drill pipe picking up singles to 9,903'.	
1:30	4:00	2.50	10,947	CMTD	Tag top of cement at 9,903'. Drill out cement to float collar at 9,934'. Drill out float collar.	
4:00	6:00	2.00	10,947	CMTD	Drill out shoe track from 9,936' to 10,181'. No cement below float collar.	

## Management Summary

Tested BOPE to 8,500 psi. Tested good. Tested hanger packoff. The top seal of three on the CSBS metal seal inside the adapter flange leaked. Bottom two seals tested good. Ran in hole with 5-1/2" bit and BHA picking up singles to 9,903'. Tagged top of cement at 9,903'. Drilled out cement to float collar at 9,934'. Drilled out float collar.

## Comments

Fuel on hand 15,150 gals.  
Fuel used 782 gals.  
Temp in 80 F  
Temp out 94 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				
15-Jul-23 12:00 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed																								
8.40	27					8.4	0.65		99.5			2000												

## Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Engineering - OTHER	1	---			



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## Bit/BHA/Workstring Information

No	Run	Make	Model	Diam	Depth	This Run		R.O.P.				Mud		Pump				JIF
					In	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow	Press	J. Vel	P. Drp	

34	1	SANJOAQ	tricone	5.500	10947	278	4.5	61.8	200.0	3	70	9	8	250	2100	61	28	4	66
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Jets: 24 24 24 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

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	
9,803	10,208	75.0	200.0	1	17	70	70	8	9	250	250	2,100

Annular Velocity: Drill Collars: 490.8 Drill Pipe: 268.8

Comments: Drill out shoe track.

## Miscellaneous Drilling Parameters

Hook Loads (lbs): Off Bottom Rotate: 152 Pick Up: 190 Slack Off: 120 Drag Avg/Max: 38 / 50

Hours on BHA: Since Inspection: 4.5 Total: 4.5 Jars: 0

Hours on Casing/Liner: Rotating: / 4.5 Tripping: / 12 ☐ 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

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: 91

☐ BOP Test ☐ Crownamatic Check

## Weather Information

Sky Condition: Clear Visibility: 10

Air Temperature: 94 degF Bar. Pressure: 1011

Wind Speed/Dir: 10 / NNW Wind Gusts: 15