

**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: 88

Report For 06:00 AM 13-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: 88
Pers/Hrs:	Operator: 2 / 0	Contractor:	14 / 0	Service:	6 / 0	Other:	9 / 0 Total: 31 / 0
Safety Summary: No incidents or events reported. 88 days since LTI. Conducted Safety Meeting.							
Current Operations: Pumping 7" primary cement job.							
Planned Operations: Finish pumping 7" cement job. Wait on cement.							
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	14:00	8.00	10,947	CASE	Run 7" 38# Vam HT casing from 7,453' to 10,173' as per program (214 total joints run). Fill casing every 20 joints.	
14:00	14:30	0.50	10,947	CASE	Make up hanger and landing joint in mouse hole. Make up to stump.	
14:30	15:00	0.50	10,947	CASE	Rig down B&L equipment with the exception of tongs to soft break landing joint.	
15:00	18:00	3.00	10,947	CASE	Remove sheaves from derrick. Baker stripping coating from fiber lines running through hanger and wrapping. SLB on location rigging up pump trucks for cement job.	
18:00	20:00	2.00	10,947	CASE	Finish feeding fiber optics through hanger. Wrap line around hanger neck.	
20:00	22:00	2.00	10,947	CASE	Open 3" casing valves. Lower casing and land hanger. Test seals to 5,000 psi for 10 minutes. Lock down hanger. Break out and lay down CRT. Soft break landing joint. Lay down tongs.	
22:00	5:00	7.00	10,947	CIRC	Install circulating swage on casing and circulate 400 gpm at 400 psi. 3 mud coolers on and working. Start Mud temp in 71°F. Out 94°F. DH Temp at Gauge at 7,033' 309°F.	
5:00	6:00	1.00	10,947	CMTF	PJSM with Schlumberger and rig crews. Install cement head. Swap return hoses from mud tanks to reserve pit. Test lines to 5,000 psi. Begin pumping 50 bbl. spacer.	

Management Summary

Ran 7" 38# Vam HT casing from 7,453' to 10,173' as per program. (214 total joints run). Made up hanger and landing joint. Removed sheaves from derrick. Baker stripped coating from fiber lines. Ran through hanger and wrapped around hanger neck. Opened 3" casing valves. Lowered casing and landed hanger. Tested seals to 5,000 psi for 10 minutes. Locked down hanger. Installed circulating swage on casing and circulated at 400 gpm. PJSM with Schlumberger and rig crews. Install cement head. Swap return hoses from mud tanks to reserve pit. Test lines to 5,000 psi. Begin pumping 50 bbl. spacer.

Comments

Fuel on hand 9,309 gals.
 Fuel used 952 gals.
 Temp in F
 Temp out 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

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	
12-Jul-23 12:00 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed																					
8.40	27					8.7			99			1400									



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: 88

Report For 06:00 AM 13-Jul-23

Mud Consumables

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

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	Pick Up:	Slack Off:	200	Drag Avg/Max:	/
Hours on BHA:	Since Inspection:	0	Total:	0	Jars:	0
Hours on Casing/Liner:	Rotating:	0 / 0	Tripping:	152.25 / 0	<input type="checkbox"/> Wear Bushing Installed	

Rig Information

Equipment Problems:
Location Condition:
Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom
Shaker No 1:	200	200	200	200
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	30	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:	88
<input type="checkbox"/>	BOP Test		<input type="checkbox"/>	Crownamatic Check				

Weather Information

Sky Condition:	Clear	Visibility:	10
Air Temperature:	92 degF	Bar. Pressure:	1006
Wind Speed/Dir:	20 / SW	Wind Gusts:	25