



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: 95 Report For 06:00 AM 20-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: 95

Pers/Hrs: Operator: 2 / 0 Contractor: 14 / 0 Service: 3 / 0 Other: 6 / 0 Total: 25 / 0

Safety Summary: 1 Medical Treatment reported. 95 days since LTI. Conducted Safety Meeting.

Current Operations: Filling mud pits with clean water.

Planned Operations: Run in hole with 5-1/2" bit and BHA. Change hole over to clean water. Trip out of the hole laying down drill pipe.

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	15:00	9:00	10,947	WOE	Remove top valve on 16A and install flange for lubricator. Put lubricator and PLT tools together on stands and get ready to pick up. Wait on crane to arrive until 13:30, wait on forklift to return with SLB logging tools needed to rig up until 15:00. Trucking company van carrying SLB tools broke down on road.	X
15:00	21:00	6:00	10,947	SLWL	Determined that crane was not big enough to run lubricator on top of well 16A. Broke down tool and made up in wellhead w/o lubricator. Pick up grease head and land to seal off well. Run in the hole with spinner tool on wireline. Well was flowing at all times. 230* F coming back. Clean mud pits with super sucker and pressure washer.	
21:00	6:00	9:00	10,947	PUMP	Close annulus valve. Perform circulation test #2, Stage 2, pumping down well 16A and recording pressure, temperature and flow on well 16B. Pumped 2.5 bpm for 45 minutes holding 200 psi on 16B for 15 minutes, then decreased pressure to 100 psi for 15 minutes, then opened well up holding 0 psi for 15 minutes. Increased rate on 16A to 5 bpm and held 200 psi on 16B for 15 minutes, decreased pressure to 100 psi for 15 minutes, then 0 psi for remainder of test. Increase rate to SLB max of 7.5 bpm. Shut down pumping. Shut in for 40 mins. Bleed down 16B. 130* F coming back. Lay down wireline tools. Closed well in. Rig down SLB.	

Management Summary

Rigged up SLB lubricator. Determined that crane was not big enough to run lubricator on top of well 16A. Broke down tools and made up in wellhead w/o lubricator with well flowing. Rigged up grease head and landed to seal off well. Ran in the hole with spinner tool on wireline. Performed circulation test pumping down well 16A and recording pressure, temperature and flow on well 16B. Pumped 2.5 bpm, 5 bpm and 7.5 bpm stages. Shut down pumping. Bled off well. Pulled out of the hole with wireline. Closed well in. Rig down SLB. Cleaned mud pits.

Comments

Fuel on hand 13,195 gals.
Fuel used 563 gals.
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
19-Jul-23 11:15 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed																				
8.40	27					8.8			99.5			1750								

Mud Consumables

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



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: 95

Report For 06:00 AM 20-Jul-23

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:		
Hours on Casing/Liner:	Rotating: / 7.5	Tripping: / 25	<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 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: 1 Lost Time Incidents: 0 Days Since LTI: 95

Accident Description: Recorable injury. Rig hand went to close wellhead valve on 16A. Cellar was full of hot water. Cellar is mostly covered by 2X8 boards. There was a board floating on top of the water that he thought was part of the cover. He stepped on it and went up to his knee with his left leg. pulled his boot off and help poured bottle water on it until the burn gel wraps got there. Maybe 3 mins. Wrapped his leg from mid calf to toes. Took him to Beaver hospital. Gave him pain meds and cleaned and wrapped injury. Came back to work a few hours later.

BOP Test Crownamatic Check

Weather Information

Sky Condition: Partly cloudy	Visibility: 10
Air Temperature: 94 degF	Bar. Pressure: 1010
Wind Speed/Dir: 13 / SSW	Wind Gusts: 15