



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: 79

Report For 06:00 AM 04-Jul-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	10947	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8357	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:	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: 79

Pers/Hrs: Operator: 3 / 0 Contractor: 14 / 0 Service: 3 / 0 Other: 1 / 0 Total: 21 / 0

Safety Summary: No incidents or events reported. 79 days since LTI. Conducted Safety Meeting.

Current Operations: Installing blind rams in BOPs.

Planned Operations: Perform Open Hole Circulation Evaluation.

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	9:00	3.00	10,947	TRPI	Trip in the hole with reaming assembly BHA #42 from 4,843' to 8,000'.	
9:00	16:00	7.00	10,947	REAM	Ream 9 1/2" hole from 8,000' to 9,418'. 980 GPM, 80 RPM, 18K - 25K torque,	
16:00	16:30	0.50	10,947	SERV	Service rig and top drive.	
16:30	22:00	5.50	10,947	REAM	Ream 9 1/2" hole from 9,418' to 10,182'. 980 GPM, 80 RPM, 18K - 27K torque,	
22:00	23:00	1.00	10,947	CIRC	Pump 2 ea 70 bbl hi-visc sweeps and clean hole. Small amount of increase in cuttings.	
23:00	3:00	4.00	10,947	TRPO	Trip out of the hole from 10,182' to 1,187'.	
3:00	4:15	1.25	10,947	BHAOP	Trip out with BHA. Lay down jars, shock sub, stabilizers and bit. Top stab in gauge, middle stab 1/4" under, bottom stab in gauge. Bit 1/16 under.	
4:15	6:00	1.75	10,947	BOPO	Remove pipe rams and install blind rams.	

Management Summary

Tripped in the hole with reaming assembly BHA #42 from 4,843' to 8,000'. Reamed 9-1/2" hole from 8,000' to 10,182'. Pumped hi-visc sweeps and cleaned hole. Tripped out of the hole. Laid down jars, shock sub, stabilizers and bit. Started removing pipe rams and installing blind rams.

Comments

Fuel on hand 14,759 gals.
Fuel used 2537 gals.
Temp in 121 F
Temp out 133 F
Total NPT to date 121.50 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	

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	
03-Jul-23 13:00 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed																					
8.40	27					9.8	0.65		95			500						127	138		

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	4	---	Engineering - OTHER	1	---
HIB 19 - GALS	1	---			



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Bit/BHA/Workstring Information

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

33	1	SANJOAQ	SS617PS	9.500	8000	2182	12.5	174.6	300.0	9	80	27	8	980	2650	237	423	242	1011
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Jets: 24 24 24 Out: 10182 Grade: Cutter: 1 / 3 Dull: WT / NO Wear: G Brgs: E Gge: 1 Pull: BHA

Comments: Ream and clean out.

BHA - No. 42 - BIT, BS, STAB, DC, STAB, OTHER, XO, HWDP, XO, STAB, XO, 15 HWDP, JAR, 18 HWDP = 1147.15

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	
8,000	10,182	175.0	300.0	8	10	70	80	27	29	900	980	2,600

Annular Velocity: Drill Collars: 475.8 Drill Pipe: 367.7

Comments: Reaming.

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	250	Pick Up:	530	Slack Off:	150	Drag Avg/Max:	180 / 280
Hours on BHA:	Since Inspection:	12.5	Total:	12.5	Jars:	12.5		
Hours on Casing/Liner:	Rotating:	47.5 / 0	Tripping:	73.5 / 0	<input checked="" 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
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 crews.					
First Aid Treatments:		0	Medical Treatments:	0	Lost Time Incidents:	0	Days Since LTI:	79
<input type="checkbox"/>	BOP Test		<input type="checkbox"/>	Crownamatic Check				

Weather Information

Sky Condition:	Clear	Visibility:	
Air Temperature:	98 degF	Bar. Pressure:	1007
Wind Speed/Dir:	15 / WSW	Wind Gusts:	20