



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: 30

Report For 06:00 AM 16-May-23

Operator:	UNIVERSITY OF UTAH	Rig:	Frontier 16	Spud Date:	26-Apr-23	Daily Cost / Mud (\$):	---
Measured Depth (ft):	6423	Last Casing:	11.750 at 4,837	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6361	Next Casing:		RKB Elevation (ft):	31	---	---
Proposed TD (ft):		Last BOP Test:	29-Apr-23	Job Reference RKB (ft):		---	---
Hole Made (ft) / Hrs:	466 / 11.0	Next BOP Test:	20-May-23	Working Interest:		Totals:	---
Average ROP (ft/hr):	42.36					Well Cost (\$):	---
Days (actual / plan):	Drilling 3.07 / 0, Flat 0 / 0, Complete 0 / 0, Total 3.07 / 0						DOL: 30
Pers/Hrs:	Operator: 3 / 36	Contractor:	14 / 168	Service:	6 / 72	Other:	3 / 36 Total: 26 / 312
Safety Summary: No incidents or events reported. 30 days since LTI. Conducted BOP Drill, Safety Meeting.							
Current Operations: Drilling 9-1/2" hole at 6,424'.							
Planned Operations: Continue drilling ahead building curve to 65°.							
Toolpusher: Shawn Seddell, 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	8:30	2.50	5,957	TRPO	Trip out of hole from 5,957' to 106'.	
8:30	11:00	2.50	5,957	BHAOP	Lay down Black box, roller reamer and RSS tool. Break off bit.	
11:00	12:00	1.00	5,957	SERV	Service rig and top drive.	
12:00	14:00	2.00	5,957	BHAOP	Lay down 9.22'x6 3/4" non-mag pony collar. Pick up RSS tool, make up bit and new Black box and trip in hole making up BHA. Pick up rebuilt roller reamer. Trip in hole with drill collars.	
14:00	15:30	1.50	5,957	TRPI	Trip in hole with drill pipe on elevators to 3,756'.	
15:30	17:30	2.00	5,957	REPR	Work on Pason Depth tracking.	X
17:30	19:00	1.50	5,957	TRPI	Trip in hole from 3,756' to 5,957'.	
19:00	6:00	11.00	6,423	DRIL	Drill 9-1/2" hole from 5,957' to 6,423' with Halo directional assembly with no mud motor or Ripstick. Step test: WOB from 50K to 60K. RPM from 60 to 80. Maintain drilling at WOB 60K and RPM 60. Last suvey @ 6,462'MD, 6,379' TVD, 40.3 Inc, 117.09 Azi, 4.03 DLS.	

Management Summary

Tripped out of hole from 5,957' to 106'. Laid down Black box, roller reamer, non mag- pony collar and RSS tool. Broke off bit. Picked up new RSS tool, bit, Black box and re-built roller reamer. Left pony collar out. Tripped in the hole to 5957'. Drilled 9-1/2" hole from 5,957' to 6,423' with Halo directional assembly.

Comments

Surveys getting magnetic interference.

Fuel on hand 16,332 gals.
 Fuel used 1,383 gals.
 Total NPT to date 80.75 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	
15-May-23 13:30 at Depth 5,957 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.35	27				0.1	8.9	0.1		99.9			900									
16-May-23 01:00 at Depth 5,832 ft Mud Pits, Type: Low Solids Non-Dispersed																					
8.35	27	2			0.1	9.4	0.1		99.9			800									



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Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Caustic Soda - 50#SK	1	---	Engineering - OTHER	2	---
TORKease - GALS	2	---			

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	
11	1	NOV	TKC73 A1	9.500	5269	688	14.5	47.4	47.4	0	0	0	8	0	0				
Jets: 15 15 15 15 15 15 15					Out: 5957		Grade: Cutter: /			Dull: /		Wear:		Brgs:		Gge:		Pull:	
Comments: New PDC bit.																			
12	1	NOV	TKC73 A1	9.500	5957	466	11	42.4	200.0	60000	60	15100	8	600	1200	159	190	66	413
Jets: 15 15 15 15 15 15 15					Out:		Grade: Cutter: /			Dull: /		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 13 - BIT, OTHER, STAB, DCM, RR, 3 OTHER, 9 DC, XO, 30 HWDP = 1286.80																			

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
5,957	6,423	55.0	200.0	60,000	60,000	60	85	14,800	17,300	600	600	1,200	
Annular Velocity: Drill Collars:				335.5	Drill Pipe:				245.1				

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate: 230,000	Pick Up: 280,000	Slack Off: 210,000	Drag Avg/Max: /
Hours on BHA:	Since Inspection: 42.5	Total: 42.5	Jars:	
Hours on Casing/Liner:	Rotating: 42.5 / 0	Tripping: 60.25 /	<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:	170	170	170	172	
Shaker No 2:	170	170	170	170	Centrifuge 1: 24 (Solids Removal)
Shaker No 3:	170	170	170	170	Centrifuge 2: 24 (Solids Removal)

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.5	365	24.7	S-135	5.5FH					

Safety Information

Meetings/Drills	Time	Description
Safety	30	Two Pre-tour safety meetings held daily with crews.
BOP	3	Function tested blind and pipe rams.
First Aid Treatments:	0	Medical Treatments: 0
Lost Time Incidents:	0	Days Since LTI: 30
<input type="checkbox"/> BOP Test		<input type="checkbox"/> Crownamatic Check

Weather Information

Sky Condition: Partly Cloudy	Visibility: 10
Air Temperature: 76 degF	Bar. Pressure: 1021
Wind Speed/Dir: 7 / S	Wind Gusts: