



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: 55

Report For 06:00 AM 10-Jun-23

| | | | | | | | |
|-----------------------|--------------------|----------------|-----------------|-------------------------|-------------------|------------------------|----------------------|
| Operator: | UNIVERSITY OF UTAH | Rig: | Frontier 16 | Spud Date: | 26-Apr-23 | Daily Cost / Mud (\$): | --- |
| Measured Depth (ft): | 10275 | Last Casing: | 11.750 at 4,837 | Wellbore: | Original Wellbore | AFE No. | AFE (\$) Actual (\$) |
| Vertical Depth (ft): | 8103 | 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: | 1 / 0.0 | Next BOP Test: | 19-Jun-23 | Working Interest: | | Totals: | --- |
| Average ROP (ft/hr): | | | | | | Well Cost (\$): | --- |

Days (actual / plan): Drilling 5.95 / 22, Flat 0 / 0, Complete 0 / 52, Total 5.95 / 74 DOL: 55

Pers/Hrs: Operator: 3 / 36 Contractor: 16 / 168 Service: 6 / 72 Other: 4 / 48 Total: 29 / 324

Safety Summary: No incidents or events reported. 55 days since LTI. Conducted Safety Meeting.

Current Operations: Coring 8-3/4" hole at 10,275'.

Planned Operations: Core 8-3/4" hole to 10,304'. Trip out of the hole.

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 | 16:30 | 10.50 | 10,274 | REPR | Wait on Dynamatic from Vernal, UT. Service and inspect drawworks. | X |
| 16:30 | 21:30 | 5.00 | 10,274 | REPR | Change out Dynamatic with Frontier Drilling and R.W. Jones Trucking crane. | X |
| 21:30 | 3:15 | 5.75 | 10,274 | TRPI | Trip in the hole with 8-3/4" coring assembly from 4,808' to 8,989'. Cool tools every 5 stands. Wash down from 8,989' to 10,230'. Safety ream from 10,230' to 10,274'. Tag bottom. Pick up 10' and tag bottom again. | |
| 3:15 | 5:00 | 1.75 | 10,274 | CIRC | Circulate bottoms up. Drop ball and pump down. | |
| 5:00 | 6:00 | 1.00 | 10,274 | CORE | Core 8-3/4" hole from 10,274' to 10,275'. | |

Management Summary

Waited on Dynamatic. Changed out Dynamatic. Tripped in the hole with 8-3/4" coring assembly from 4,808' to 8,989'. Cooled tools every 5 stands. Washed down from 8,989' to 10,230'. Safety reamed from 10,230' to 10,274'. Tagged bottom. Circulated bottoms up. Dropped ball and pumped down.

Comments

Fuel on hand 13709 gals.
Fuel used 670 gals.
Total NPT to date 120.25 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 | |
| 10-Jun-23 02:00 at Depth 10,274 ft Mud Pits, Type: Low Solids Non-Dispersed | | | | | | | | | | | | | | | | | | | | | |
| 8.40 | 27 | | | | | 9.1 | 0.6 | | 99.35 | | | 550 | | | | | | | | | |
| 09-Jun-23 11:30 Mud Pits, Type: Low Solids Non-Dispersed | | | | | | | | | | | | | | | | | | | | | |
| 8.40 | 27 | | | | | 9.4 | 0.6 | | 99.35 | | | 550 | | | | | | | | | |

Mud Consumables

| Item Description | Qty. | Cost | Item Description | Qty. | Cost |
|----------------------|------|------|---------------------|------|------|
| Caustic Soda - 50#SK | 2 | --- | Engineering - OTHER | 2 | --- |
| HIB 19 - GALS | 4 | --- | Lodging - OTHER | 1 | --- |



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Bit/BHA/Workstring Information

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

| | | | | | | | | | | | | | | | | | | | |
|----|---|---------|---------|-------|-------|---|---|-----|-----|---|----|----|---|-----|-----|-----|-----|----|-----|
| 28 | 1 | CANAMER | CCI-713 | 8.750 | 10274 | 1 | 1 | 1.0 | 1.5 | 3 | 22 | 25 | 8 | 400 | 458 | 122 | 112 | 26 | 212 |
|----|---|---------|---------|-------|-------|---|---|-----|-----|---|----|----|---|-----|-----|-----|-----|----|-----|

Jets: 14 14 14 14 14 14 14 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

Comments: Core bit CCI-713, BHA

BHA - No. 32 - BIT, NBS, CORE, STAB, CORE, STAB, OTHER, JAR, XO, 30 HWDP = 992.79

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 | |
| 10,274 | 10,275 | 1.0 | 1.0 | 3 | 5 | 20 | 25 | 25 | 26 | 400 | 400 | 458 |

Annular Velocity: Drill Collars: 355.7 Drill Pipe: 211.7

Comments: Coring

Miscellaneous Drilling Parameters

Hook Loads (lbs): Off Bottom Rotate: 255 Pick Up: 450 Slack Off: 248 Drag Avg/Max: / 195

Hours on BHA: Since Inspection: 108 Total: 108 Jars:

Hours on Casing/Liner: Rotating: 112.5 / 1 Tripping: 178.75 / 12 ☐ Wear Bushing Installed

Rig Information

Equipment Problems: Waiting on replacement Dynamatic from Vernal, UT.

Location Condition:

Transport:

Solids Control Information

| Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom | Equipment Usage (Hrs): | | |
|---------------|-----|----------|----------|--------|-----------------------------------|-------------|-----------------------------------|
| Shaker No 1: | 170 | 170 | 200 | 170 | Desander: 0 | Desilter: 0 | Degasser: 0 |
| Shaker No 2: | 170 | 170 | 200 | 170 | Centrifuge 1: 12 (Solids Removal) | | Centrifuge 2: 12 (Solids Removal) |
| Shaker No 3: | 170 | 170 | 200 | 170 | | | |

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 crew |
| First Aid Treatments: | 0 | Medical Treatments: 0 Lost Time Incidents: 0 Days Since LTI: 55 |
| <input type="checkbox"/> BOP Test | <input type="checkbox"/> Crownamatic Check | |

Weather Information

| | |
|-----------------------------|---------------------|
| Sky Condition: Mostly Clear | Visibility: 10 |
| Air Temperature: 75 degF | Bar. Pressure: 1010 |
| Wind Speed/Dir: 5 / SSW | Wind Gusts: 8 |