



**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: 75** **Report For 06:00 AM 30-Jun-23**

|   |                                     |                                    |                                   |                      |                    |
|---|-------------------------------------|------------------------------------|-----------------------------------|----------------------|--------------------|
| <b>Operator:</b> UNIVERSITY OF UTAH   | <b>Rig:</b> Frontier 16             | <b>Spud Date:</b> 26-Apr-23        | <b>Daily Cost / Mud (\$):</b> --- |                      |                    |
| <b>Measured Depth (ft):</b> 10947   | <b>Last Casing:</b> 11.750 at 4,837 | <b>Wellbore:</b> Original Wellbore | <b>AFE No.</b>                    | <b>AFE (\$)</b>      | <b>Actual (\$)</b> |
| <b>Vertical Depth (ft):</b> 8357  | <b>Next Casing:</b> 7.000 at 10,159 | <b>RKB Elevation (ft):</b> 31      | ---                               | ---                  | ---                |
| <b>Proposed TD (ft):</b> 10658  | <b>Last BOP Test:</b> 27-May-23     | <b>Job Reference RKB (ft):</b>     | ---                               | ---                  | ---                |
| <b>Hole Made (ft) / Hrs:</b> 0 / 0.0  | <b>Next BOP Test:</b> 26-Jun-23     | <b>Working Interest:</b>           | <b>Totals:</b>                    | ---                  | ---                |
| <b>Average ROP (ft/hr):</b>   |                                     |                                    | <b>Well Cost (\$):</b> ---        |                      |                    |
| <b>Days (actual / plan):</b> Drilling 6.18 / 22, Flat 0 / 0, Complete 0 / 52, Total 6.18 / 74 |                                     |                                    |                                   |                      | <b>DOL:</b> 75     |
| <b>Pers/Hrs: Operator:</b> 3 / 0  | <b>Contractor:</b> 14 / 0           | <b>Service:</b> 8 / 0              | <b>Other:</b> 3 / 0               | <b>Total:</b> 28 / 0 |                    |

**Safety Summary:** No incidents or events reported. 75 days since LTI. Conducted Safety Meeting.

**Current Operations:** Tripping in the hole at 3,806'.

**Planned Operations:** Trip in the hole to 4,766'. Install SES and stabilizer. Trip in the hole to 8,263' with straddle packers and logging tools. Perform mini-frac testing.

**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  | 19:45 | 13.75   | 10,947     | CIRC | Perform 16 hr. circulation to cool hole for Baker/Battelle mini-frac testing. 390 gpm. Temp In 94°, Temp Out 104°.  |          |
| 19:45 | 0:00  | 4.25    | 10,947     | TRPO | Trip out of the hole from 9,122'. Break off bit, bit sub and x-over.  |          |
| 0:00  | 3:00  | 3.00    | 10,947     | LOG  | PJSM. Make up Baker Wireline line RCX tools, consisting of logging tools and upper and lower set of straddle packers. Surface test same. Change out cable head connection on sinker bar. Re-test. OK. |          |
| 3:00  | 6:00  | 3.00    | 10,947     | TRPI | Trip in the hole from 137' to 3,806'.   |          |

**Management Summary**

Performed 16 hr. circulation to cool hole for Baker/Battelle mini-frac testing. Tripped out of the hole from 9,122'. Made up Baker Wireline line RCX tools, consisting of logging tools and upper and lower set of straddle packers. Surface tested same. Tripped in the hole from 137' to 3,806'.

**Comments**

Fuel on hand 19,643 gals.  
 Fuel used 643 gals.  
 Temp in 94\* F  
 Temp out 104\* 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 |
| 29-Jun-23 13:00 at Depth 10,947 ft Other Location, Type: Low Solids Non-Dispersed |     |    |    |       |      |       |        |     |       |      |     |     |    |      |     |     |      |    |     |      |
| 8.40  |     |    |    |       |      | 10    | 0.65   |     | 0.95  |      |     | 350 |    |      |     |     |      | 94 | 103 |      |

**Mud Consumables**

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

**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 |     |
| 23                    | 4    | SANJOAQ | XLS30DX | 9.500             | 10947                 | 0        | 0   | 0.0 | 0.0                  | 0              | 0              | 0             | 8                | 400   | 390    | 97     | 71  | 16  | 169 |
| <b>Jets:</b> 24 24 24 |      |         |         | <b>Out:</b> 10947 | <b>Grade:</b> Cutter: | 1 / 3    |     |     | <b>Dull:</b> BT / FC | <b>Wear:</b> S | <b>Brgs:</b> E | <b>Gge:</b> 0 | <b>Pull:</b> BHA |       |        |        |     |     |     |

**Comments:** RIH to 9122'. Cool hole for minifrac.

**BHA - No. 41 - BIT, BS, XO, 30 HWDP = 920.51**



# 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: 75

Report For 06:00 AM 30-Jun-23

### Miscellaneous Drilling Parameters

|                        |                    |          |            |               |  |
|------------------------|--------------------|----------|------------|---------------|--|
| Hook Loads (lbs):      | Off Bottom Rotate: | Pick Up: | Slack Off: | Drag Avg/Max: | /  |
| Hours on Casing/Liner: | Rotating:          | 35 / 0   | Tripping:  | 51.5 / 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    Degasser: 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                            | 45   | Two Pre-tour safety meetings held daily with crews. PJSM with Baker |
| First Aid Treatments:             | Medical Treatments:                        | Lost Time Incidents:  |
| Days Since LTI:                   | 75   |   |
| <input type="checkbox"/> BOP Test | <input type="checkbox"/> Crownamatic Check |   |

### Weather Information

|                  |         |                |      |
|------------------|---------|----------------|------|
| Sky Condition:   | Clear   | Visibility:    | 10   |
| Air Temperature: | 82 degF | Bar. Pressure: | 1008 |
| Wind Speed/Dir:  | 14 / N  | Wind Gusts:    |      |