

**Daily Drilling Report**

Well ID: Forge 56-32

Field: UTAHFORGE

Job ID: Original

Geothermal Resource Group, Inc.

Well Name: 56-32

Sect: 32 Town: 26S Rng: 9W County: Beaver State: UT

Report No: 25

Report For 28-Feb-21

| | | | | | | | |
|-----------------------------------|-------------------------|-------------------------------|----------------|--------------------------------|---------------------|-------------------------------|----------|
| Operator: | University of Utah | Rig: | Frontier | Spud Date: | 08-Feb-21 | Daily Cost / Mud (\$): | --- |
| Measured Depth (ft): | 9145 | Last Casing: | 9.625 at 3,494 | Wellbore: | Original Wellbore | AFE No. | --- |
| Vertical Depth (ft): | 9138 | Next Casing: | 5.500 at 9,000 | RKB Elevation (ft): | 30.40 | AFE (\$) | --- |
| Proposed TD (ft): | 9000 | Last BOP Test: | 12-Feb-21 | Job Reference RKB (ft): | 28.50 | Actual (\$) | --- |
| Hole Made (ft) / Hrs: | 0 / 0.0 | Next BOP Test: | | Working Interest: | | Totals: | --- |
| Average ROP (ft/hr): | | | | LOT (lbs/gal): | 16.00 | Job/Well Cost (\$): | --- |
| Drilling Days (act./plan): | 21/30 | Flat Days (act./plan): | 0/8 | Total Days (act./plan): | 21/38 | Days On Location: | 25 |
| Pers/Hrs: | Operator: 2 / 24 | Contractor: 14 / 168 | | Service: 9 / 108 | Other: 0 / 0 | Total: | 25 / 300 |

Safety Summary: No incidents or events reported. Conducted Safety Meeting.**Current Operations:** Laying down drill pipe.**Planned Operations:** Lay down drill pipe and run 5.5" casing.**Toolpusher:** Steve Caldwell, Vince Shaffer**Wellsite Supervisors:** Virgil Welch, Paul Stroud

Tel No.: 7132807438

Operations Summary

| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod |
|-------|-------|---------|------------|--------|--|----------|
| 0:00 | 2:00 | 2.00 | 9,145 | 10-11 | Rigged down loggers and download data. | |
| 2:00 | 5:00 | 3.00 | 9,145 | 10-6-1 | Ran in the hole to 9,145'. | |
| 5:00 | 7:00 | 2.00 | 9,145 | 10-5-1 | Circulate to cool well bore for wire-line coring. | |
| 7:00 | 10:00 | 3.00 | 9,145 | 10-6-2 | Pulled out of the hole. | |
| 10:00 | 19:00 | 9.00 | 9,145 | 10-11 | Rigged up loggers and run side core logs. Rigged down loggers. | |
| 19:00 | 20:00 | 1.00 | 9,145 | 10-6-3 | Ran in the well bore to 3,489'. | |
| 20:00 | 21:30 | 1.50 | 9,145 | 10-99 | Slip and cut 85' of drilling line. | |
| 21:30 | 23:00 | 1.50 | 9,145 | 10-6-3 | Ran in the hole to TD at 9,145'. | |
| 23:00 | 0:00 | 1.00 | 9,145 | 10-5-1 | Circulated to cool well bore. | |

Management Summary

Rigged down Schlumberger and ran in the hole to 9145' TD. Circulated to cool well bore. Pulled out of the hole and ran Schlumberger side cores. Ran in the hole and circulated to cool well bore at 2400 hours.

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 | 20.000 | 30 | 30 | 129 | 129 | COND | | | | |
| FULL | 13.375 | 0 | 0 | 382 | 382 | SURF | 17.500 | 55 | J-55 | 16.30 |
| FULL | 9.625 | 0 | 0 | 3,494 | 3,488 | INT1 | 12.250 | 36 | J-55 | 16.00 |

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 | |
| 28-Feb-21 15:00 at Depth 9,145 ft Mud Pits | | | | | | | | | | | | | | | | | | | | | |
| 9.00 | 38 | 13 | 6 | 11 | 1 | 10 | 8 | 0 | 92 | 0.1 | | 1100 | 320 | | | 1 | 5 | 93 | 111 | | |

Mud Consumables

| Item Description | Qty. | Cost | Item Description | Qty. | Cost |
|-----------------------|------|------|------------------|------|------|
| amberguard - OTHER | 6 | --- | caustic - OTHER | 2 | --- |
| DC-310/CI-100 - OTHER | 3 | --- | | | |

Rig Information**Equipment Problems:****Location Condition:****Transport:****Drill Pipe Inventory**

| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread |
|---------|--------|--------|-------|--------|---------|--------|--------|-------|--------|
| 5 | 277 | 19.5 | S-135 | 4.5IF | | | | | |



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Safety Information

| Meetings/Drills | Time | Description |
|-----------------------------------|--|------------------------------------|
| Safety | 60 | Laying down pipe and pinch points. |
| First Aid Treatments: | Medical Treatments: | Lost Time Incidents: |
| <input type="checkbox"/> BOP Test | <input type="checkbox"/> Crownamatic Check | Days Since LTI: |

Weather Information

| | | | |
|------------------|---------|----------------|-------|
| Sky Condition: | Clear | Visibility: | 10 |
| Air Temperature: | 12 degF | Bar. Pressure: | 30.46 |
| Wind Speed/Dir: | 7 / NE | Wind Gusts: | 7 |