



# Daily Drilling Report

## Geothermal Resource Group, Inc.

Well ID: Forge 56-32

Job ID: Original

Well Name: 56-32

Field: UTAHFORGE

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

Report No: 29

Report For 04-Mar-21

Operator:	University of Utah	Rig:	Frontier	Spud Date:	08-Feb-21	Daily Cost / Mud (\$):	---		
Measured Depth (ft):	9145	Last Casing:	5.500 at 9,105	Wellbore:	Original Wellbore	AFE No.	AFE (\$)	Actual (\$)	
Vertical Depth (ft):	9138	Next Casing:		RKB Elevation (ft):	30.40	---	---	---	---
Proposed TD (ft):	9000	Last BOP Test:	12-Feb-21	Job Reference RKB (ft):	28.50	---	---	---	---
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:		Working Interest:		Totals:	---	---	---
Average ROP (ft/hr):						Job/Well Cost (\$):	---		
Drilling Days (act./plan):	25/30	Flat Days (act./plan):	0/8	Total Days (act./plan):	25/38	Days On Location:	29		
Pers/Hrs: Operator:	2 / 24	Contractor:	14 / 168	Service:	8 / 96	Other:	0 / 0	Total:	24 / 288

**Safety Summary:** No incidents or events reported. Conducted Safety Meeting.

**Current Operations:** Making up 4-3/4" bit and tools, running in the hole.

**Planned Operations:** Clean out cement to 8,967'.

**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	13:30	13.50	9,145	3-13	Waited on cement. Cut off casing and laid down cementing equipment. Rigged down casing equipment and unloaded 2-7/8" drill pipe, 4" drill collars and running tools.	
13:30	17:00	3.50	9,145	5-12-2	Performed "Top Squeeze" cement job with Annular closed and pumping through kill line Resource Cementing pumped 25 barrels of H2O ahead to break down formation at 820 psi, followed by 167 barrels of 15.6 ppg Top Squeeze Cement with 200 psi. CIP at 1624 hours.	
17:00	21:30	4.50	9,145	1-14	Nippled down BOPE and removed 9-5/8" casing head.	
21:30	0:00	2.50	9,145	3-97	Weld on well head.	

### Management Summary

Cut off 5-1/2" casing and laid down cementing equipment. Performed "Top Squeeze" cement job pumping 25 barrels of water ahead to break down formation at 820 psi, followed by 167 barrels of 15.6 ppg "Top Squeeze" cement with final pressure of 200 psi. CIP at 1624 hours. Nippled down and removed 9-5/8" well head. Cleaned up and welded on 5-1/2" well head.

### 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
LINER	5.500	0		9,105						

### 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
04-Mar-21 14:00 at Depth 9,145 ft Mud Pits																				
8.50	32	5	4	14	1	8.5	2	0	98	0.1		800	320				3	60		

### Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Bicarb - OTHER	49	---	PALlets/Wrap - OTHER	2	---

### Rig Information

**Equipment Problems:**

**Location Condition:**

**Transport:**

### Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
2.875	295	10.4	G-105	OTHER					



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## Safety Information

Meetings/Drills	Time	Description
Safety	60	BOPE

First Aid Treatments:      Medical Treatments:      Lost Time Incidents:      Days Since LTI:

BOP Test       Crownamatic Check

## Weather Information

Sky Condition:	Clear	Visibility:	10
Air Temperature:	25 degF	Bar. Pressure:	30.24
Wind Speed/Dir:	9 / E	Wind Gusts:	9