



# Daily Drilling Report

Well ID: Forge 56-32

Field: Other

Geothermal Resource Group, Inc.

Well Name: 56-32

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

Report No: 5

Report For 08-Feb-21

Operator:	University of Utah	Rig:	Frontier	Spud Date:		Daily Cost / Mud (\$):	---
Measured Depth (ft):	381	Last Casing:	13.375 at 382	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	381	Next Casing:	9.625 at 3,500	RKB Elevation (ft):	30.40	---	---
Proposed TD (ft):	9000	Last BOP Test:		Job Reference RKB (ft):	28.50	---	---
Hole Made (ft) / Hrs:	253 / 2.0	Next BOP Test:		Working Interest:		Totals:	---
Average ROP (ft/hr):	126.5					Well Cost (\$):	---
Drilling Days (act./plan):	1/30	Flat Days (act./plan):	0/8	Total Days (act./plan):	1/38	Days On Location:	5
Pers/Hrs: Operator:	2 / 24	Contractor:	14 / 168	Service:	11 / 124	Other:	0 / 0 Total: 27 / 316

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

**Current Operations:** Testing BOPE

**Planned Operations:** Test Bope, make up DA and clean out float, cement and shoe, make 10' of new hole and perform FIT. Drill 12 1/4" hole vertically to 3,500' +/-.

**Toolpusher:** Justin Bristol, Steve Caldwell

**Wellsite Supervisors:** Virgil Welch, Paul Stroud

**Tel No.:** 7132807438

## Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
0:00	1:00	1.00	128	10-6-1	Picked up directional tools.	
1:00	1:30	0.50	128	OTHER	Installed rotating head rubber.	
1:30	2:00	0.50	128	03-051	Filled pipe and hole.	
2:00	4:00	2.00	128	REPR	Trouble shot and replaced swivel packing.	X
4:00	4:30	0.50	128	OTHER	Changed rotating head rubber	
4:30	6:00	1.50	381	03-021	Drilled 17-1/2" hole from 128' to 380.5'.	
6:00	6:30	0.50	381	03-051	Circulated well bore clean.	
6:30	7:00	0.50	381	WIPE	Wiper Trip.	
7:00	7:30	0.50	381	03-051	Circulated well bore clean.	
7:30	8:00	0.50	381	3-6-2	Pulled out of the hole.	
8:00	9:00	1.00	381	11-344	Laid down BHA.	
9:00	12:00	3.00	381	4-12-1	Rigged up and ran 13-3/8", 54.5 ppf, J-55 buttress casing with shoe set at 381'.	
12:00	13:30	1.50	381	5-12-2	Rigged up cementers and circulated hole clean.	
13:30	14:30	1.00	381	5-12-2	Pumped 10 bbls of water ahead followed by 30 bbls of 10.5 sepiolite preflush plus 13 barrels of sodium silicate, 5 bbls of fresh water spacer followed by 79 bbls of 14 ppg RC Thermalite-a cement, dropped wiper plug and displaced with 52.25 bbls of water and bumped plug with 500 psi over. CIP at 1430 hours.	
14:30	21:00	6.50	381	5-13	Waited on cement. Cut off 20" conductor and 13.375" casing.	
21:00	0:00	3.00	381	6-35	Attempted to install well head, had wrong energizer ring, removed and installed new dies and energizer ring. Tested seals, packed off and pulled tested to 10k. Installed casing valves.	

## Management Summary

Drilled 17-1/2" hole from 228' to 380'. Circulated hole clean and wiped hole. Circulated well bore clean and pulled out laying down tools. Rigged up and ran 9 joints of 54.5 ppf, J-55 Buttress casing setting shoe at 380. Rigged up Resource cementing and cemented casing in place. Cut off conductor and sized 13-3/8" casing. Attempted to install well head. Replaced dies and energizer seal and installed well head.

## Comments

Good cement to surface.

## 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	

## Mud Information

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
08-Feb-21 08:00 at Depth 380 ft																				
8.70	52	15	24	9	1	10	4	0	96	1.5		1000	1480		5	12	22	65	85	



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### Rig Information

Equipment Problems:

Location Condition:

Transport:

### Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Rig Fuel	GALS	9,282	886		8,396	

### Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5	112	19.5	S-135	4.5IF					

### Safety Information

Meetings/Drills	Time	Description
Safety	60	Nippling and testing 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:	37 degF	Bar. Pressure:	29.94
Wind Speed/Dir:	17 / S	Wind Gusts:	20