



# 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: 9

Report For 12-Feb-21

<b>Operator:</b> University of Utah	<b>Rig:</b> Frontier	<b>Spud Date:</b>	<b>Daily Cost / Mud (\$):</b> ---
<b>Measured Depth (ft):</b> 3500	<b>Last Casing:</b> 9.625 at 3,494	<b>Wellbore:</b> Original Wellbore	<b>AFE No.</b> <b>AFE (\$)</b> <b>Actual (\$)</b>
<b>Vertical Depth (ft):</b> 3500	<b>Next Casing:</b> 5.500 at 9,000	<b>RKB Elevation (ft):</b> 30.40	---      ---      ---
<b>Proposed TD (ft):</b> 9000	<b>Last BOP Test:</b>	<b>Job Reference RKB (ft):</b> 28.50	---      ---      ---
<b>Hole Made (ft) / Hrs:</b> 0 / 1.5	<b>Next BOP Test:</b>	<b>Working Interest:</b>	<b>Totals:</b> ---      ---
<b>Average ROP (ft/hr):</b> 0.0			<b>Well Cost (\$):</b> ---
<b>Drilling Days (act./plan):</b> 5/30	<b>Flat Days (act./plan):</b> 0/8	<b>Total Days (act./plan):</b> 5/38	<b>Days On Location:</b> 9
<b>Pers/Hrs: Operator:</b> 2 / 24	<b>Contractor:</b> 14 / 168	<b>Service:</b> 8 / 96	<b>Other:</b> 2 / 24 <b>Total:</b> 26 / 312

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

**Current Operations:** Continue to drill 8-3/4" hole with PDC bit at 3,768'

**Planned Operations:** Continue to drill 8-3/4" hole with PDC bit.

**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	6:00	6.00	3,500	1-14	Break stack at well head. Lift stack, cleaned out cement from well head. Set slips in well head around 9-5/8" casing. Set down stack and nipped up. Cleaned BOPE stack of cement.	
6:00	9:00	3.00	3,500	1-15	Tested BOPE. Cleaned flow line of cement.	
9:00	9:30	0.50	3,500	11-343	Strapped drill collars, made up bit.	
9:30	10:30	1.00	3,500	11-6-1	Ran in the hole to 3,200'.	
10:30	13:00	2.50	3,500	3-28	Cleaned out cement stringers from 3,200' to 3,414' and drilled out baffle plate, cement and shoe at 3,488' and cement to 3,500'.	
13:00	14:30	1.50	3,500	03-021	Drilled 8.-3/4" hole from 3,500' to 3,506'.	
14:30	15:00	0.50	3,500	11-99	Performed sFIT with 8.8 ppg mud. Noticed pressure drop at 1,320 surface applied pressure. EMW 16 ppg (0.83 psi/ft frac grad)	
15:00	16:00	1.00	3,500	11-6-2	Pulled out of the hole.	
16:00	0:00	8.00	3,500	10-341	Picked up drill pipe single and stood back in derrick.	

## Management Summary

Broke stack and well head and lifted stack. Cleaned out cement inside well head and set slips. Set stack back on well head and secured BOPE. Cleaned out cement in BOPE. Made up bit #5 and ran in the hole. Cleaned out baffle plate, cement and shoe. Drilled 6' of new hole from 3,500' to 3,506' and performed FIT. Pulled out of the hole and picked up drill pipe standing back in derrick.

## Comments

Mud Cooler were turned on 2-10-2021.

## 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	
FULL	9.625	0	0	3,494	3,488	INT1	12.250	36	J-55	

## 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
12-Feb-21 22:00 at Depth 3,506 ft Mud Pits																				
8.80	50	19	23	8	1	10.5	6	0	94	0.25		1300	880		7	15	26			

## Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
Barite - OTHER	29	---	Bicarb - OTHER	15	---
Desco - OTHER	6	---	PAllets/Wrap - OTHER	2	---
SAwdust - OTHER	7	---			



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### Bit/BHA/Workstring Information

No	Run	Make	Model	Diam	Depth In	This Run		R.O.P.		Mud		Pump		J. Vel	P. Drp	HHP	JIF			
						Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt					Flow	Press	
5	1	HTC	GX 117	8.750	3500	6	1.5	4.0						9	800	2900	279	612	286	1016
Jets: 20 20 20					Out: 3506		Grade: Cutter: 3/3		Dull: ER/		Wear: A		Brgs: 0		Gge: 1		Pull: TD			
BHA - No. 6 - BIT, MMTR, OTHER, STAB, MONEL, SHOCK, 12 DC, 24 HWDP = 1178.12																				

### Rig Information

Equipment Problems:

Location Condition:

Transport:

### Solids Control Information

Screen Sizes:	Top	Bottom
Shaker No 1:	170	
Shaker No 2:	170	
Shaker No 3:	140	

### Drill Pipe Inventory

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

### Safety Information

Meetings/Drills	Time	Description
Safety	60	Picking up drill and tools
First Aid Treatments:	Medical Treatments:	Lost Time Incidents:
Days Since LTI:		
<input type="checkbox"/> BOP Test	<input type="checkbox"/> Crownamatic Check	

### Weather Information

Sky Condition: Cloudy	Visibility: 10
Air Temperature: 32 degF	Bar. Pressure: 29.88
Wind Speed/Dir: 7 / S	Wind Gusts: 10