STATE OF NEVADA
DIVISION OF MINERALS

DISSOLVED MINERAL RESOURCE EXPLORATION WELL DRILLER'S REPORT

Report #: R0018
For Division Use Only

PRINT OR TYPE IN BLACK INK ONLY
DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NAC 534B

PRIVATE LEASE ☐ *Yes* ☒ *No*
BLM NOTICE NO. NVNV106713113
WELL NAME/NUMBER:

1. OPERATOR NAME: Norte Geothermal, LLC
MAILING ADDRESS: 701 S Carson St. Ste 200, Carson City, NV 89701

HYDROLOGIC BASIN NAME AND NUMBER: Big Smokey Mineral Exploration BGS-67(61-32)-29
COUNTY: Esmeralda

2. PLSS LOCATION: SW 1/4 SE 1/4 Section 29
Township 03 ☒ N ☐ S Range 40 E
Latitude / Longitude
UTM N 4214129
UTM E 455385.6
☒ NAD 83 ☐ WGS 84

3. NDOM PERMIT NUMBER: W0053

4. BLOWOUT PREVENTION EQUIPMENT
Type: ☐ Not Required ☒ Annular ☐ Blind ☐ Pipe
Rating: ☐ 2M ☐ 3M ☒ 5M
Size: Surface 7" Intermediate

5. RIG TYPE
☒ Core ☒ Rotary ☒ RVC
☒ Air ☒ Mud ☒ Sonic
☒ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
Alluvium			0	1847
Argillite			1847	1933
Granitoid			1933	2073
Argillite			2073	2303
Granitoid			2303	2436
Marble			2436	2668

Date started: 8-15 20 25
Date completed: 9-2 20 25

8. *WELL CONSTRUCTION*
Depth Drilled: 2740' Feet Depth Cased To: 400 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
9.875	Inches	0	Feet	80	Feet
6.250	Inches	80	Feet	400	Feet
3.83	Inches	400	Feet	2668.5	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness/Grade (Inches)	From (Feet)	To (Feet)
7.0	28.4	.328 J55	0	80
4.5	11.6	.251 J55	80	400

ANNULAR SEALS
Minimum of 50 feet of surface seal and 2 inch annual space required

☒ Neat Cement	0	to	400	☒ Pumped	☐ Poured
☐ Cement Grout		to		☐ Pumped	☐ Poured
☐ Bentonite Grout		to		☐ Pumped	☐ Poured
☐ Bentonite Chips		to		☐ Pumped	☐ Poured
☐ Gravel Pack [> 0.2 in.]		to		☐ Pumped	☐ Poured
☐ Sand Pack [< 0.2 in.]		to		☐ Pumped	☐ Poured
☐ Other, explain:		to		☐ Pumped	☐ Poured

PERFORATIONS:
Type of perforation: 8R-2.5-6-.250
Size of perforation: 8R-2" Length - 6" Center - .250", 10% open area 16 slots/foot

From	186	Feet	To	2668.5	Feet
From		Feet	To		Feet
From		Feet	To		Feet
From		Feet	To		Feet
From		Feet	To		Feet

7. *WATER DATA*
Static water level: 230' Feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I.
Water Max Temperature: 208 ° Fahrenheit

DATE RECEIVED:

DATE ENTERED:

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9. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.

Name: Major Drilling America
Contractor
Address: 2200 South 4000 West SLC, UT 84120
Contractor
Phone: 801-974-0645
Nevada contractor's license number as issued by the *State Contractor's Board:* Larry Thorsen
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2653

Signed: Larry Thorsen
By driller performing actual drilling on site
Date:

USE ADDITIONAL SHEETS IF NECESSARY pg.____ of pg.____