STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115511
Permit No.
Basin 091

PRINT OR TYPE ONLY

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 69159

1. OWNER **Mike Haberthur**
MAILING ADDRESS **3015 Mario Rd**
Reno, NV 89523

ADDRESS AT WELL LOCATION **Same**
Subdivision Name: *County:* **Washoe**

2. LOCATION **NE¼SW¼** Sec **15** T **19** N/ R **18** E
PERMIT/WAIVER NO. **R-707** (*Issued by Water Resources*) **038-651-01** (Parcel. No.)

Latitude **39.50921** UTM E ☐ NAD 27
Longitude **-119.94620** N ☒ NAD 83/WGS 84

3. WORK PERFORMED
☐ New Well ☐ Replace ☐ Recondition
☐ Deepen ☒ Other **Geothermal Loop**

4. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☒ Rotary ☐ RVC
☐ Air ☐ Other **Mud**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Top Soil		0	1	1
Brown Sandy Clays & Gravels		1	3	2
Granite Boulders		3	10	7
Boulders & Gravels		10	42	32
Gray Sandy Clay		42	120	78
Green Sandy Clay		120	126	6
Gray Sandy Clay & Gravels		126	305	179
Geothermal Loop #9				

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Date started: **July 23rd**, 20 **12**
Date completed: **July 26th**, 20 **12**

7. *Water Level*
Static water level: feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: **cool** °F
Quality: **not tested**

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
	39.509300°N	NAD 27
	119.945169°W	

9. *WELL CONSTRUCTION*
Depth Drilled **305** Feet Depth Cased **0** Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6.25 Inches	**0** Feet	**305** Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
Type of perforation
Size of perforation
From feet to feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☒ ≥30% Bentonite Grout 305 to 0 ☒ Pumped ☐ Poured
Gravel Pack: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:
Bentonite Chips: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name **Bruce MacKay Pump & Well Service, Inc.** (CONTRACTOR)
Address **1600 Mt. Rose Hwy** (CONTRACTOR)
Reno, NV 89511
Nevada contractor's license number issued by the *State Contractor's Board* **23096**
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* **923**
Signed R. Bruce MacKay
By driller performing actual drilling on site or contractor
Date **8/2/12**