STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116873
Permit No.
Basin No. 101

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

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

NOTICE OF INTENT NO. 66072
WELL NAME *(If applicable)*: #5

1. OWNER/CLIENT NAME Gradient Resources
MAILING ADDRESS 9670 Gateway Drive
Reno, Nevada

DETAILED ADDRESS AT WELL LOCATION Patua Power Plant
Hazen, Nevada
Subdivision Name: *County:* Churchill

2. PLS LOCATION SW ¼ SE ¼ 20 Sec 20 N/S 26 E
PERMIT/WAIVER NO. DW-099 *Issued by Water Resources* *Current Parcel No.*

Latitude 39° 34.637 N UTM E ☐ NAD 27
Longitude 119° 05.211 W UTM N ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Monitor
☒ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☒ Auger ☐ Rotary ☐ RVC
☐ Air ☐ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
Top Soil			0'	2'	2'
Silty Clay			2'	15'	13'
Sand			15'	20'	5'
Clay			20'	38'	18'
Sandy Clay			38'	40'	2'

NAD27
39.577370°N
119.085853°W

2013 JUL -3 AM 11:15
STATE ENGINEERS OFFICE

Date started: 28-May, 20 13
Date completed: 30-May, 20 13

7. WATER QUALITIES
Static water level: 15' Feet below land surface
Artesian Flow: No G.P.M. 0 P.S.I.
Water Temperature: Cool ° Fahrenheit
Water Quality: N/A

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)

9. WELL CONSTRUCTION
Depth Drilled: 40' Feet Depth Cased: 40' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
24"	Inches	0'	Feet	40'	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
12 3/4"		.250"	0'	40'

PERFORATIONS:
Type of perforation: Mill Slot
Size of perforation: 0.090"
From 0' Feet To 40' Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS
☐ Sanitary Seal to
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ Bentonite Chips to ☐ Pumped ☐ Poured
☐ Bentonite Grout to ☐ Pumped ☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:
☐ Gravel Pack [> 0.2 in.] 0' to 40' ☐ Pumped ☒ Poured
☐ Sand Pack [< 0.2 in.] to ☐ Pumped ☐ Poured
☐ Other, explain: to ☐ Pumped ☐ Poured

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Stonehouse Drilling (Contractor)
Address 7801 Lakeside Drive, Reno, Nevada 89511 (Contractor)
Nevada contractor's license number as issued by the *State Contractor's Board:* 0069994
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* #2177
Signed: (By driller performing actual drilling on site or contractor)
Date: 7/2/2013

(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY