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

OFFICE USE ONLY
Log No. ~~1169~~ 1169 30
Permit No.
Basin No. 076

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. 67433
WELL NAME *(If applicable)*: GMW-1

1. OWNER/CLIENT NAME Gradient Resources
MAILING ADDRESS 9670 Gateway Dr Suite 200
Reno, NV 89521

DETAILED ADDRESS AT WELL LOCATION
Subdivision Name: *County:* Lyon

2. PLS LOCATION nw ¼ nw ¼ 19 Sec 20 N/S 26 E
PERMIT/WAIVER NO. TNEV2013445 *Issued by Water Resources* *Current Parcel No.*

Latitude UTM E 318499 ☐ NAD 27
Longitude UTM N 4384396 ☒ 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	Thick-ness
Sand/gravel		no	0	60	60
volcanic tuff		yes	60	100	40

NAD27
39.590169° N
119.126350° W

Date started: 6-Jun , 20 13
Date completed: 6-Jun , 20 13

7. *WATER QUALITIES*
Static water level: 46 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: 123 ° Fahrenheit
Water Quality: good

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

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
15		2

9. *WELL CONSTRUCTION*
Depth Drilled: 100 Feet Depth Cased: 99 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
14.75	Inches	0	Feet	40	Feet
8.75	Inches	40	Feet	100	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10.75	28	.25	0	40
4.5	11.7	.25	+1	99

PERFORATIONS:
Type of perforation: slots 6 rows of 38/20'
Size of perforation: 2.5" long .020
From 59 Feet To 99 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0	to	50		
☐ Neat Cement		to		☐ Pumped	☐ Poured
☒ Cement Grout	0	to	50	☒ Pumped	☐ Poured
☐ Concrete Grout		to		☐ Pumped	☐ Poured
☒ Bentonite Chips	50	to	57	☒ Pumped	☐ Poured
☐ Bentonite Grout		to		☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:					
☐ Gravel Pack [> 0.2 in.]		to		☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	57	to	100	☒ 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 National EWP *Contractor*
Address 580 W Silver St. Elko, NV 89801 *Contractor*

Nevada contractor's license number as issued by the *State Contractor's Board:* 0075355
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2420

Signed: *By driller performing actual drilling on site or contractor*
Date: 6/25/2013

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(Rev. 08-12) **USE ADDITIONAL SHEETS IF NECESSARY**