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

OFFICE USE ONLY
Log No. 117164
Permit No.
Basin No. 0716

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. 67450
WELL NAME (If applicable): GMW-4

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 se ¼ se ¼ 25 Sec 20 N/S 25 E
PERMIT/WAIVER NO. TNEV2013445 (Issued by Water Resources) (Current Parcel No.)

~~Latitude~~ 317797 UTM E ~~319598~~ ☐ NAD 27
~~Longitude~~ 4381665 UTM N ~~4382959~~ ☒ 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
sand/gravel		no	0	70	70
sand/clay		no	70	110	40
sand/gravel		no	110	210	100
coarse sand		no	210	310	100
mud stone		no	310	320	10
coarse sand		yes	320	370	50
sand/clay		no	370	400	30
silt stone		no	400	430	30
coarse basalt mud		no	430	480	50

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*Changed by DWR Staff

Nancy
39.5654290 N
119.1205900 W

Date started: 21-Jun, 20 13
Date completed: 23-Jun, 20 13

9. WELL CONSTRUCTION
Depth Drilled: 480 Feet Depth Cased: 478.5 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
14.75	Inches	0	Feet	40	Feet
9	Inches	40	Feet	480	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	+1.5	478.5

PERFORATIONS:
Type of perforation: slots 8 rows 16 slots per foot
Size of perforation: .020 2" long 6" centers
From 438.5 Feet To 478.5 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0	to 426.5		
☒ Neat Cement	0	to 426.5	☒ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ Bentonite Chips	426.5 ~~848~~	to 436.5	☒ Pumped	☐ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]		to	☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	436.5 ~~856~~	to 480	☒ Pumped	☐ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

7. WATER QUALITIES
Static water level: 196 ~~62~~ Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: ~~91~~ 69 ° 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)
70		2.5

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:* 75355
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2420
Signed: Neil Hale (By driller performing actual drilling on site or contractor)
Date: 7/13/2013

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