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

OFFICE USE ONLY
Log No. 117922
Permit No.
Basin No. 0028

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. 68579
WELL NAME *(If applicable)*: H12HR07

1. OWNER/CLIENT NAME Allied Nevada
MAILING ADDRESS 9790 Gateway Dr Suite 200
Reno, NV 89521

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

2. PLS LOCATION ne ¼ nw ¼ 2 Sec 34N N/S 29 E
PERMIT/WAIVER NO. M/O 1856 *Issued by Water Resources* *Current Parcel No.*

Latitude UTM E 357162 ☐ NAD 27
Longitude UTM N 4523617 ☒ 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
tan gravel			0	40	40
brown gravel			40	215	175
gray and brown uncosolid			215	415	200
lt gray unconsolidated roc			415	640	225
lt gray to dark gray uncons			640	680	40
dark gray/red unconsolida			680	735	55
lt gray/red unconsolidated			735	765	30
red sediment			765	945	180
red gravel/sediment			945	970	25
red/ gray brown sediment			970	1200	230

Date started: 13-Sep , 20 12
Date completed: 23-Sep , 20 12

9. WELL CONSTRUCTION
Depth Drilled: 1200 Feet Depth Cased: 1200 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
14.75	Inches	0	Feet	40	Feet
9	Inches	40	Feet	215	Feet
8.75	Inches	215	Feet	1200	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10			0	40
2.375			+2	791

PERFORATIONS:
Type of perforation: slotted
Size of perforation:
From 791 Feet To 1200 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0	to 784		
☒ Neat Cement	0	to 784	☒ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ Bentonite Chips	784	to 789	☒ Pumped	☐ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☒ Gravel Pack [> 0.2 in.]	789	to 1200	☒ Pumped	☐ Poured
☐ Sand Pack [< 0.2 in.]		to	☐ Pumped	☐ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

7. WATER QUALITIES
Static water level: 477 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: ° Fahrenheit
Water Quality: poor

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

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
1		48

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):* 2102-T

Signed: *Driller performing actual drilling on site or contractor*
Date: 9/24/2012

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

NAD27 40.851263°N 118.693561°W