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

OFFICE USE ONLY
Log No. 116859
Permit No.
Basin No. 028

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. 67445
WELL NAME *(If applicable)*:

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

DETAILED ADDRESS AT WELL LOCATION H13HR-002 Hycroft Mine
Subdivision Name: *County:* Humboldt

2. PLS LOCATION nw ¼ ne ¼ 35 Sec 35n N/S 29 E
PERMIT/WAIVER NO. m/o 1886 *Issued by Water Resources* *Current Parcel No.*

Latitude UTM E 356722 ☐ NAD 27
Longitude UTM N 4525410 ☒ 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
Waste rock dump		no	0	160	160
camel tm sand/clay		no	160	420	260
camel tm sand/clay		yes	420	1480	1060
fault zone limestone		yes	1480	1560	80
camel tm sand/clay		yes	1560	1920	360
Gravel pack					
850-1168					
1399-1550					
1630-1785					
Bentonite chips					
830-850					
1390-1399					
1620-1630					

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NAD27
40.867332°N
118.699192°W

Date started: 3-May, 20 13
Date completed: 6-Jun, 20 13

9. WELL CONSTRUCTION
Depth Drilled: 1920 Feet Depth Cased: 1779.1 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
14.75	Inches	0	Feet	140	Feet
8.75	Inches	140	Feet	1920	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10.75	28.04	.250	0	140
2.375		.250 fiberglass	+2	1779.10

PERFORATIONS:
Type of perforation: mill slott
Size of perforation: 0.02
From 852.20 Feet To 1170.15 Feet
From 1401.48 Feet To 1545.95 Feet
From 1632.77 Feet To 1748.19 Feet

ANNULAR MATERIALS
☒ Sanitary Seal to
☒ Neat Cement 0 to 830 ☒ 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.] ← to ☒ Pumped ☐ Poured
☐ Sand Pack [< 0.2 in.] to ☐ Pumped ☐ Poured
☐ Other, explain: to ☐ Pumped ☐ Poured

7. WATER QUALITIES
Static water level: 169' Feet below land surface
Artesian Flow: no G.P.M. P.S.I.
Water Temperature: 152°-175° ° 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)
8 3/4 hole 1000'	101	628	11.25
8 3/4 hole 1400'	104	233	8
8 3/4 hole 1600'	98	bridged	10
8 3/4 hole 1920'	89	bridged	14
2 3/8 casing	.90	1120	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):* 2470

Signed: [signature]
By driller performing actual drilling on site or contractor
Date: 6/5/2013

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

Plugged by well log 123574