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

OFFICE USE ONLY
Log No. 118665
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. 70199
WELL NAME *(if applicable)*: PW-14

1. OWNER/CLIENT NAME Hycroft Resources & Development
MAILING ADDRESS PO Box 3030 Winnemucca, NV 89445

DETAILED ADDRESS AT WELL LOCATION Hycroft Mine
Mine I.D. Number 4758
Subdivision Name: *County:* Humboldt

2. PLS LOCATION SE ¼ NW ¼ 21 Sec 35 N/S 30 E
PERMIT/WAIVER NO. *Issued by Water Resources* *Current Parcel No.*

Latitude 40* 53.556 N UTM E ☐ NAD 27
Longitude 118* 37.685 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
Sand, Clay & Cobbles			0'	40'	40'
Volcanic Tuff			40'	80'	40'
Clay and Volcanice			80'	400'	320'
Silty Clay			400'	520'	120'
Bedrock with some			520'	692'	172'
clay layers					

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NAD27
40.892720°N
118.627090°W

Date started: 9-Jun, 20 13
Date completed: 27-Jun, 20 13

7. WATER QUALITIES
Static water level: 33.75' 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)
Constant	82	460'	8 Hours

9. WELL CONSTRUCTION
Depth Drilled: 692' Feet Depth Cased: 680' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
30"	Inches	0'	Feet	60'	Feet
22"	Inches	60'	Feet	692'	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
24"		.375"	0'	60'
12 3/4"		.250"	+2'	680'
3.5"		Sch. 40	+2'	510'

PERFORATIONS:
Type of perforation: Roscoe Moss Wire Wrap Screen
Size of perforation: 0.050"
From 548' Feet To 608' Feet
From 610' Feet To 670' Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0' to 60'			
☐ Neat Cement	to		☐ Pumped	☐ Poured
☒ Cement Grout	0' to 494'		☒ Pumped	☐ Poured
☐ Concrete Grout	to		☐ Pumped	☐ Poured
☒ Bentonite Chips	494' to 496'		☐ Pumped	☒ Poured
☐ Bentonite Grout	to		☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]	496' to 692'		☐ 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 Hydro Resources-West, Inc. *Contractor*
Address 4975 W. Winnemucca Blvd. Winnemucca, NV 89445 *Contractor*

Nevada contractor's license number as issued by the *State Contractor's Board:* 56797
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* # 2177

Signed: Michelle Strothes *By driller performing actual drilling on site or contractor*
Date:

(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY