

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

OFFICE USE ONLY  
Log No. 121644  
Permit No. \_\_\_\_\_  
Basin No. 044

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. 72609  
WELL NAME (if applicable): BSRW-12

1. OWNER/CLIENT NAME ANNOVA METALS LIMITED  
MAILING ADDRESS 1001 SW 5TH AVE STE 1100  
PORTLAND, OR

DETAILED ADDRESS AT WELL LOCATION BIG SPRINGS  
HYDROGRAPHIC BASIN #044  
Subdivision Name: BIG SPRINGS County: CLATSOP

2. PLS LOCATION SE 1/4 NE 1/4 02 Sec 420 S 53 E  
PERMIT/WAIVER NO. MO 1957  
Issued by Water Resources Current Parcel No.

Latitude 41° 56' 25.1 UTM E  NAD 27  
Longitude 115° 9' 49.72 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  
 Mining / Dewater  
 Test / Other  
 Irrigation  
 Com / Ind  
 Mun / QM  
 Monitor  
 Stock  
 Rec

5. WELL TYPE  
 Auger  Rotary  RVC  
 Air  Mud  Sonic  
 Other

LITHOLOGIC LOG					
Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
<u>UNCONSOLIDATED GRAVEL</u>			<u>0</u>	<u>60</u>	<u>60</u>
<u>BLACK ROCK</u>			<u>60</u>	<u>245</u>	<u>185</u>
<u>FRAC. BLACK ROCK</u>		<u>X</u>	<u>245</u>	<u>275</u>	<u>30</u>
<u>FRAC. GREY ROCK</u>		<u>X</u>	<u>275</u>	<u>305</u>	<u>30</u>
<u>FRAC. BLACK &amp; GREY</u>		<u>X</u>	<u>305</u>	<u>375</u>	<u>70</u>
<u>BLACK ROCK</u>			<u>375</u>	<u>390</u>	<u>15</u>
<u>FRAC. GREY ROCK</u>		<u>X</u>	<u>390</u>	<u>420</u>	<u>30</u>
<u>BLACK ROCK</u>			<u>420</u>	<u>470</u>	<u>50</u>
<u>FRAC. GREY ROCK</u>		<u>X</u>	<u>470</u>	<u>520</u>	<u>50</u>
<u>GREY ROCK</u>			<u>520</u>	<u>540</u>	<u>20</u>
<u>FRAC. GREY ROCK</u>		<u>X</u>	<u>540</u>	<u>575</u>	<u>35</u>
<u>BLACK ROCK</u>			<u>575</u>	<u>580</u>	<u>5</u>
<u>FRAC. BLACK ROCK</u>		<u>X</u>	<u>580</u>	<u>575</u>	<u>5</u>
<u>BLACK ROCK</u>			<u>575</u>	<u>595</u>	<u>20</u>
<u>FRAC. BLACK ROCK</u>		<u>X</u>	<u>595</u>	<u>605</u>	<u>10</u>

9. WELL CONSTRUCTION  
Depth Drilled: 605 Feet  
Depth Cased: 602 Feet  
HOLE DIAMETER (BIT SIZE)  
From To  
22 Inches 0 Feet 60 Feet  
14 3/4 Inches 60 Feet 605 Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>16"</u>		<u>.250</u>	<u>0</u>	<u>60</u>
<u>10.75"</u>		<u>.250</u>	<u>0</u>	<u>602'</u>

PERFORATIONS:  
Type of perforation: MILL SLOT  
Size of perforation: 0.10  
From 102 Feet To 602 Feet  
From \_\_\_\_\_ Feet To \_\_\_\_\_ Feet  
From \_\_\_\_\_ Feet To \_\_\_\_\_ Feet

ANNULAR MATERIALS  
 Sanitary Seal 0 to 100'  
 Neat Cement \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Bentonite Chips 100 to 102'  Pumped  Poured  
 Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 15%  20%  Other, explain: \_\_\_\_\_  
 Gravel Pack [> 0.2 in.] 102' to 602'  Pumped  Poured  
 Sand Pack [< 0.2 in.] \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Other, explain: \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Date started: DEC 13 20 14  
Date completed: JAN 8 20 15

7. WATER QUALITIES  
Static water level: 142 Feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: 75 ° Fahrenheit  
Water Quality: CLEAR

WELL TEST DATA			
Test Method:	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	<u>117</u>	<u>86</u>	<u>5</u>

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision. This report is true to the best of my knowledge.  
Name HARD ROCK EXPLORATION Contractor  
Address 5100 BELSERA CT. RENO, NV 89519 Contractor  
Nevada contractor's license number as issued by the State Contractor's Board: 0048913A  
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2253  
Signed: [Signature]  
Date: JAN 16 2015  
By driller performing actual drilling on site or contractor