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

OFFICE USE ONLY
Log No. 116014
Permit No.
Basin 179

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form it its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 69376

1. OWNER Robinson Nevada Mine
MAILING ADDRESS 42320 white pine County RD 44 Ruth NV 89319

ADDRESS AT WELL LOCATION Robinson Mine

2. LOCATION N/W ¼ SW ¼ Sec 16 T 16 N/S R 62 E
PERMIT/WAIVER No. NEV0092105
Issued by Water Resources
Parcel No.

Latitude
Longitude
Subdivision Name:
UTM E 672015 ☑ NAD 27
N 4346356 ☐ NAD 83/WGS 84
County:

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other...

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☒ RVC
☐ Air ☐ Other...

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
LDW-4R Hole #				
Grey Rock		0	1100	1100

Hole Caved IN From 980'-1100 will Require A Drill out when plugging well

Date started 10-23, 20 12
Date completed 11-14, 20 12

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
6	N/A	1½ hrs

8. WELL CONSTRUCTION
Depth Drilled 1100 Feet Depth Cased 970 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
22	Inches	0	Feet	20	Feet
15	Inches	20	Feet	1100	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16		1/4 wall	0	20
4½"	2.0	.16	+2	970
2⅜	0.6	.08	+2	970

Perforations:
Type of perforation Vertical slot
Size of perforation .125" x 2"
From 917.5 feet to 965 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 50'
Placement Method: ☒ Pumped ☐ Poured
Gravel Packed: ☒ Yes ☐ No
From 980 feet to 914 feet

Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout

9. WATER LEVEL
Static water level 918.5 feet below land surface
Artesian flow N/A G.P.M P.S.I
Water temperature °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Boart Longyear NV
Contractor
Address P.O. BOX 2748 Elko NV 89803
Contractor

Nevada contractor's license number issued by the State Contractor's Board 0073086
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1942
Signed William Riley
By driller performing actual drilling on site or contractor
Date 11-15-12

(Rev. 06/10)

USE ADDITIONAL SHEETS IF NECESSARY

39.251359°N
115.006554°W

2012 NOV 26 AM 11:50
STATE ENGINEERS OFFICE

DUPLICATE RETAIN THIS COPY LDW-4R

NOTICE OF INTENT

No. 69376

Today's Date: 10/17/12 Intended Start Date: 10/22/12

Type of Work to be Done: Drilling: ☑ Deepening: ☐ Reconditioning: ☐ Plugging: ☐

Is this a replacement well? Yes ☑ No ☐ If there is an existing well, what is the well log number? LDW-4

Proposed use of well: Monitor Diameter of well: 4 inches Number of wells: 1

If this well is a domestic well, is it located within a water purveyors service area? Yes ☐ No ☑ If yes, what is the DOM waiver: _____

If this is a monitor well required by another government agency, what is the facility ID number? NEV0092105

If this well is being completed under a waiver please provide the corresponding waiver number: NA

If a water right is associated with this well, what is the permit number? NA

Location of the well by Public Land Survey: NW 1/4 SW 1/4 Sec. 16 T 16 (N)S R 62 E

Latitude: _____ UTM E 672015 ☑ NAD 27

Longitude: _____ or UTM N 4346356 ☐ NAD 83/WGS 84

Address at well location: Robinson Mine

Assessor Parcel Number: _____

County: White Pine Subdivision Name: Robinson Mine

Name of Client: Nettie Johnston, Senior Environmental Engineer

Address of Client: 4232 W White Pine County Rd. 44 Ruth, NV. 89319

Contractor's License Number: 0073086 On-Site Drillers License Number: 1942

Company Name and Address: Boart Longyear NV PO Box 2748 Elko, NV. 89803

Need Log Forms ☐ Need Intent Cards ☐

(Rev. 04-07)

Driller's Signature: William Riley

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF NEVADA
REQUEST FOR A WAIVER TO DRILL OBSERVATION OR MONITOR WELL(S)
NOT MANDATED BY OTHER AGENCY REQUIREMENTS

The applicant and/or person or company responsible for drilling and plugging the temporary well(s):

Name	Title	Company
Nettie Johnston	Senior Environmental Engineer	Robinson Nevada Mining Co.
Street Address or PO Box	**City or Town**	**State and ZIP Code**
4232 W White Pine County Rd 44	Ruth	NV, 89319

Telephone number of responsible party: (775) 289-7143

Estimated project dates: Oct-22-2012 Start Date Nov-12-2012 Completion Date

Location of the well: **PLSS, GPS Coordinates and Map Datum are required.**
(If more than one well is to be installed for the same project, use the accompanying form to list each well.)

NW ¼ SW ¼ Section 16 T 16 N R 62 E, M.D.B. & M.

Latitude (N): _____ Longitude (W): _____ or UTM (m) E: 672015 UTM (m) N: 4346356 Datum NAD 27

County Assessor Parcel Number (APN): _____

Street Address (if any): Robinson Mine, 2 miles south of Ruth, NV

Purpose and duration of well(s):

LDW-4R is a monitoring well to replace LDW-4 which was damaged due to slope creep. This is a compliance well for Robinson Nevada Mining Company's Water Pollution Control (WPC) Permit No. NEV0092105. The EDC for this well has been approved by NDEP- Bureau of Mining Regulation and Reclamation.

If this waiver is an amendment or change to an original waiver, or if the property has other monitor wells installed, please give the original waiver number. M/O - _____

The following items must be submitted with the waiver request:

- **A schematic drawing of the typical monitor well construction**
- **Affidavit of Intent to Abandon (Listing all wells by well ID/Name) (Separate Affidavit for each ¼, ¼)**
- **Location Map (i.e., Large Scale, inch = miles)**
- **Site Detail Map (i.e., Small Scale, inch = feet)**

Signatory Contact Information:

Telephone Number	Printed Name
Mailing Address	Signature
City, State, ZIP Code	Date

$100 FILING FEE MUST ACCOMPANY THIS REQUEST

BRIAN SANDOVAL
GOVERNOR

STATE OF NEVADA

LEO DROZDOFF
Director

JASON KING, P.E.
State Engineer

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

DIVISION OF WATER RESOURCES

901 South Stewart Street, Suite 2002
Carson City, Nevada 89701-5250
(775) 684-2800 · Fax (775) 684-2811
http://water.nv.gov

NOTICE OF INTENT CARD APPROVAL FORM

To: Boart Longyear - Aaron Date: 10/17/2012

Facsimile No.: 775-753-5278 or E-mail Address: aaron.ogle@boartlongyear.com

This document was: ☑ E-mailed ☐ Faxed

NOI Card Number: 69376 ☑ **Approved** ☐ **Rejected** (See reasons below)

Work performed	missing	☐	invalid	☐
Proposed use of well	missing	☐	invalid	☐
Intended start date	missing	☐	invalid	☐
Waiver/Permit number if applicable	missing	☐	invalid	☐
Well location (legal description, GPS coordinates)	missing	☐	invalid	☐
Parcel number	missing	☐	invalid	☐
Address at well location	missing	☐	invalid	☐
Permit number	missing	☐	invalid	☐
Waiver number or NDEP Facility ID Number	missing	☐	invalid	☐
Address of Client	missing	☐	invalid	☐
Name of client/owner	missing	☐	invalid	☐
Contractor's license number	missing	☐	invalid	☐
Onsite well driller's license number	missing	☐	invalid	☐
Drilling company name/address	missing	☐	invalid	☐
Driller's signature	missing	☐	invalid	☐
Replacement well	Yes	☑	No	☐

If yes, existing well must be plugged at time the replacement well is drilled, pursuant to NAC 534.300 Replacement Well.

Instructions: Please reference NEV00921051 and well ID LDW-4R on the well log.

Person reviewing NOI Card: Lynette Johnson (775) 684-2845

Date reviewed: 10/17/2012