



## THE STATE OF NEVADA

### PERMIT TO APPROPRIATE WATER

**Name of Permittee:** UNITED STATES DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

**Source:** UNDERGROUND

**Basin:** MASSACRE LAKE VALLEY

**Manner of Use:** WILDLIFE

**Period of Use:** JANUARY 1ST THROUGH DECEMBER 31ST

**Priority Date:** 07/03/2012

\*\*\*\*\*

#### APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to all existing rights on the source. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level at permittee's well due to other ground water development in the area. A measuring device must be installed and measurements of water use kept. The well shall be equipped with a two (2) inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. The State retains the right to regulate the use of the water granted herein at any and all times.

This permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

The point of diversion and place of use are as described on the submitted application to support this permit.

(Continued on Page 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, **and not to exceed 0.0010 cubic feet per second or 0.22 acre-feet annually.**

Work must be prosecuted with reasonable diligence and proof of completion of work shall be filed on or before:

December 28 2013

Water must be placed to beneficial use and proof of the application of water to beneficial use shall be filed on or before:

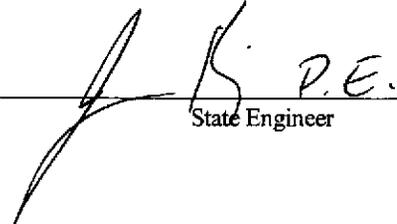
December 28 2014

Map in support of proof of beneficial use shall be filed on or before:

N/A

IN TESTIMONY WHEREOF, I, JASON KING, P.E.,

State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 28<sup>th</sup> day of **December, 2012**

  
\_\_\_\_\_  
State Engineer

**APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA**

THIS SPACE FOR OFFICE USE ONLY

Date of Filing in State Engineer's Office JUL 03 2012

Returned to applicant for correction \_\_\_\_\_

Corrected Application filed \_\_\_\_\_ Map filed Dec 9 2011 under 81370

The applicant Department of the Interior- Bureau of Land Management  
602 Cressler Street of Cedarville  
Street Address or P.O. Box City or Town

California, 96104 hereby make(s) application for permission to appropriate the  
State and ZIP Code

public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.)

1. The source of water is Underground well that was installed by the Ruby Pipeline  
Name of the stream, lake, underground, spring or other sources.
2. The amount of water applied for is 200 gallons per day (50 animals at 4 gallons per day) 0.001 cfs <sup>sem</sup> 7/6/2012  
One second foot equals 448.83 gallons per minute.
- (a) If stored in a reservoir give the number of acre-feet \_\_\_\_\_
3. The water is to be used for Wildlife Consumption  
Irrigation, power, mining, commercial, domestic or other use. Must be limited to one major use.
4. If use is for:
  - (a) Irrigation, state number of acres to be irrigated \_\_\_\_\_
  - (b) Stockwater, state number and kind of animals 40 Pronghorn, 10 Mule Deer
  - (c) Other use (describe fully in No. 12) \_\_\_\_\_
  - (d) Power:
    - (1) Horsepower developed \_\_\_\_\_
    - (2) Point of return of water to stream \_\_\_\_\_

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 STATE ENGINEERS OFFICE

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5. The water is to be diverted from its source at the following point: (Describe as being within a 40-acre subdivision of public survey, and by course and distance to a found section corner. If on unsurveyed land, it should be so stated.)

Well Location and trough/pit reservoir location: NAD 83/WGS 84, N41.59241615, W119.5881953. Map on file under permit number: 81370

NW 1/4 NE 1/4 SECTION 2 T.42N., R. 21E., MDBSM OR AT A POINT FROM WHICH THE NE CORNER OF SAID SECTION 2, BEARS S69°9'52" E, a distance of 2,926.26 FEET.

Scanned 7/5/2012

6. Place of use: (Describe by legal subdivision. If on unsurveyed land, it should be so stated)

NW1/4NE1/4 of section 2 in Township 42N., Range 21E. East of the Well. Map on file under permit number: 81370

7. Use will begin about June 21st January 1st and end about December 31st of each year.

Month and Day Month and Day

PER PHONE CALL 7/6/2012

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) (State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with a pump and motor, etc.)

The Well will be pumped using a portable generator and will be piped to fill a 500 gal. trough that is located within 1/4 mile east of the well site.

9. Estimated cost of works: \$5,000

10. Estimated time required to construct works: 2 weeks to complete trough and pipe.

(If the well is complete, describe works.)

11. Estimated time required to complete the application of water to beneficial use: immediatly

12. Provide a detailed description of the proposed project and its water usage (use attachments if necessary): (Failure to provide a detailed description may cause a delay in processing.)

The Massacre Valley where the well site lies is a very dry valley and water is a scarce commodity. The area has a dense population of Mule deer and Pronghorn that utilize good water resources during the summer and early fall. The well will be used to fill a trough for the dry summer and early fall months. The well will pump water a short distance to the trough site. This trough will be kept full until winter freezes occur.

13. Miscellaneous remarks:

The well will also be used for emergency fire suppression if a fire were to occur in the general location.

dryan@blm.gov

E-mail Address

530-279-2719

Phone No.

Ext.

APPLICATION MUST BE SIGNED BY THE APPLICANT OR AGENT

Tim Burke

Type or print name clearly

*[Signature]*

Signature, applicant or agent

Bureau of Land Management- Surprise Field Office

Company Name

602 Cressler Street

Street Address or PO Box

Cedarville, CA 96104

City, State, ZIP Code

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

OFFICE USE ONLY  
Log No. 113656  
Permit No. 80346T + 80347T  
Basin ΦΦ8

PRINT OR TYPE 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. 66253

1. OWNER RUBY PIPELINE LLC ADDRESS AT WELL LOCATION NO PHYSICAL ADDRESS  
MAILING ADDRESS 2 N NEVADA AVE COLORADO SPRINGS CO. 80903 MILE POST 550 RUBY PIPELINE  
Subdivision Name NONE County WASHOE  
2. LOCATION NW 1/4 NE 1/4 Sec 2 T 42 S R 21 E Latitude N 41.59241613 UTM E  NAD 27  
PERMIT/WAIVER No. 80346T 80347T Longitude W 119.5881933 N  NAD 83/WGS 84

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

B. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
<u>BASALT</u>	<u>NO</u>	<u>0</u>	<u>20</u>	<u>20</u>
<u>BROWN DECOMPOSED ASH</u>	<u>NO</u>	<u>20</u>	<u>60</u>	<u>40</u>
<u>WHITE ASH</u>	<u>NO</u>	<u>60</u>	<u>80</u>	<u>20</u>
<u>BROWN DECOMPOSED ASH</u>	<u>NO</u>	<u>80</u>	<u>110</u>	<u>30</u>
<u>BASALT w/FRACTURES</u>	<u>YES</u>	<u>110</u>	<u>200</u>	<u>90</u>
<u>BROWN DECOMPOSED ASH</u>	<u>NO</u>	<u>200</u>	<u>220</u>	<u>20</u>
<u>FRACTURED BASALT some clay</u>	<u>YES</u>	<u>220</u>	<u>600</u>	<u>380</u>
<u>BROWN DECOMPOSED ASH/clay</u>	<u>NO</u>	<u>600</u>	<u>814</u>	<u>214</u>

9. WELL CONSTRUCTION

Depth Drilled 814 Feet Depth Cased 590 Feet

HOLE DIAMETER (BIT SIZE)

Inches	From	To
<u>32"</u>	<u>0</u>	<u>40</u>
<u>23"</u>	<u>40</u>	<u>605</u>
<u>14 3/4"</u>	<u>605</u>	<u>814</u>

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>24</u>	<u>95.2</u>	<u>.377</u>	<u>0</u>	<u>42</u>
<u>16</u>	<u>62.64</u>	<u>.375</u>	<u>+2</u>	<u>590</u>

Perforations

Type of perforation MILL SLOT 2 1/2" LONG 16/LIN FT

Size of perforation #90

From	To
<u>270</u>	<u>570</u>

Annular Seal.  Yes  No

Material	From	To	Method
<input checked="" type="checkbox"/> Neat Cement	<u>605</u>	<u>814</u>	<input checked="" type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout	<u>0</u>	<u>105</u>	<input checked="" type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> ≥30% Bentonite Grout			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
Gravel Pack: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>105</u>	<u>605</u>	<input checked="" type="checkbox"/> Pumped <input type="checkbox"/> Poured
Type: <u>#6 SILICA</u>			
Bentonite Chips: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured

7. Water Level

Static water level: 137 feet below land surface

Artesian Flow: N/A G.P.M. N/A P.S.I.

Water Temperature: Cold °F

Quality: GOOD

8. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift			
<u>AIR LIFT</u>	<u>135</u>	<u>N/A</u>	<u>96</u>
<u>PUMP</u>	<u>318</u>	<u>N/A</u>	<u>15 MINUTES</u>

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name LAYNE CHRISTENSEN CO. Contractor

Address 11001 ETIWANDA AVE FOUNTAIN VALLEY CA 92237 Contractor

Nevada contractor's license number issued by the State Contractor's Board 00452688

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2420

Signed Neil Hale By driller performing actual drilling on-site or contractor

Date 4/18/11