

RECEIVED

MAY 05 2016

WATER RESOURCES
WESTERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
STATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

RECEIVED

MAY 09 2016

DEPT OF WATER RESOURCES

FOR OFFICE USE ONLY	
Amt. of Fee \$:	50.00
Receipt No.:	W044157
Receipt By:	[Signature]
Date Received:	5/5/16

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been completed and that water has been applied to beneficial use to the extent described below. **This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner.** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, please contact any Department office or visit the Department's website at: www.idwr.idaho.gov for an Assignment of Permit form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No.: 51-13108 Telephone No.: 208.373.38312. Name of Permit Holder(s): USDI Bureau of Land Management3. Mailing Address: 1387 S. Vinnell Way City: BoiseState: ID Zip: 83709 Email: fwprice@blm.gov4. Source of Water: Ground Water If **GROUND WATER** (well), Date Drilled: mo. Mar / yr. 1969Well Driller: Harry King Drilling Co. Drilling Permit Number: 832730

5. Extent of use(s) completed (as authorized by the water right permit):

Domestic Dormitory/ 20 personnel Stockwater (No. and type of stock): _____Irrigation (No. of acres): _____ Other: Industrial for Juniper Butte Range Complex and fire station6. Total rate of diversion or storage volume for which proof is submitted: 0.10 cfs OR _____ acre-feet.7. Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit: **Refer to the approval conditions on your permit and respond accordingly. The Department will not issue a license if permit conditions are not met.**

Measuring Device: Is a measuring device required?

If yes, has the measuring device been installed?

Yes ☐	No ☒
Yes ☐	No ☒

Lockable Controlling Device: Is a lockable device required to control the diversion?

If yes, has the lockable device been installed?

Yes ☐	No ☒
Yes ☐	No ☒

Other Conditions of Permit: Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.

No additional information required. _____ Completed? Yes ☐ No ☐8. Fee Enclosed: \$ 50.00 See fee schedule on back of the instructions for filing proof of beneficial use. Proofs filed without an appropriate fee, will be considered incomplete.

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: Fred Price Telephone Number: 208.373.3831Mailing Address: 1387 S. Vinnell Way City: BoiseState: ID Zip: 83709 Email: fwprice@blm.gov

The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of permit holder: [Signature] Date: 5-5-2016
(Include your title, if on behalf of company or organization)

Mail to: Idaho Department of Water Resources, PO Box 83720, Boise, ID 83720-0098

RECEIVED

REPORT OF WELL DRILLER
State of Idaho

Location Corrected by IDWR To:

T13S R09E Sec. 35 SESW

By: manders 2012-10-10

State law requires that this report shall be filed with the State Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:

Name BUREAU OF LAND MANAGEMENT
Address BOISE, IDAHO

THREE CREEK WELL REHABILITATION

Owner's Permit No. _____
NATURE OF WORK (check): Replacement well ☐
New well ☐ Deepened ☒ Abandoned ☐

Water is to be used for: Livestock

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other _____

(explain)
CASING SCHEDULE: Threaded _____ Welded ☒
4 "Diam. from 673 ft. to 953 ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.

Thickness of casing: 250 Material:
Steel ☒ concrete ☐ wood ☐ other ☐

(explain)
PERFORATED? Yes ☒ No ☐ Type of
perforator used: Factory

Size of perforations: 1/8 " by 3 "
perforations from _____ ft. to _____ ft.
perforations from 870 ft. to 870 ft.
perforations from 930 ft. to 950 ft.
perforations from _____ ft. to _____ ft.

WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name _____

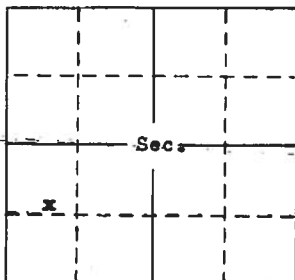
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel _____ Gravel
placed from _____ ft. to _____ ft. Surface seal
provided? Yes ☐ No ☐ To what depth?
_____ ft. Material used in seal: _____

Did any strata contain unusable water? Yes ☐
No ☒ Type of water: _____
Depth of strata _____ ft. Method of sealing
strata off: _____

Surface casing used? Yes ☐ No ☐
Cemented in place? Yes ☐ No ☐

Locate well in section



LOCATION OF WELL: County OWYHEE
SW SW Sec. 35 T. 13 S. R. 9 E. W

Use other side for additional remarks

Size of drilled hole: 6" Total
depth of well: 953 ft. Standing water
level below ground: 637 ft. Temp. _____
Fahr. _____ Test delivery: 20 gpm
or _____ cfs Pump? ☒ Bail ☐
Size of pump and motor used to make test: _____

Length of time of test: 12 Hrs. 30 Min.
Drawdown: 24 ft. Artesian pressure: ft. _____
above land surface Give flow _____ cfs
or _____ gpm. Shutoff pressure: _____
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☐

DEPTH	MATERIAL	WATER
FROM TO		YES OR NO
680 682	Fillin	NO
682 700	Brown rhyllite	
700 720	Brown rhyllite soft	
720 840	Brown rhyllite	
840 870	Red & brown rhyllite	yes
870 910	Brown rhyllite	no
910 940	Brown rhyllite med course	some
940 953	Brown rhyllite hard	no

Work started: FEB. 20, 1969
Work finished: March 20, 1969
Well Driller's Statement: This well was
drilled under my supervision and this report
is true to the best of my knowledge.

Name: HARRY KING

Address: RUPERT, IDAHO

Signed by: [Signature]
License No. 88 Date: APRIL 1, 1969

USGS

Contracted Water Delivered to Juniper Butte Complex 2013 Water Volume Delivered

C2 CONTRACT WATER DELIVERY		
JUNIPER BUTTE RANGE		
Date	Gallons	Comments
Jan-13	0	
Feb-13	0	
Mar-13	0	
Apr-13	6000	
May-13	0	
Jun-13	0	
Jul-13	12000	
Aug-13	12000	
Sep-13	12000	
Oct-13	0	
Nov-13	0	
Dec-13	0	
Total:	42000	
Jan-14	0	
Feb-14	12000	
Mar-14	12000	Pump hse froze lost 60K Fr Water
Total:	24000	Contract Ended
AF HAULED FROM BASE		
Date	Gallons	Comments
Apr-14	0	
May-14	11500	
May-15	11500	
May-16	11500	
May-17	11500	
Total:	46000	Due to Freeze

Three Creek Well Water for BLM Fire Fighting Staging 2014 Water Volume Delivered

Date 2014	Gallons	Comments
1-Jun	6500	Top off prior to BLM standup
2-Jun	6500	Top off prior to BLM standup
30-Jun	4500	
16-Jul	4500	
31-Jul	4500	
25-Aug	4500	
Total:	31000	

3 CREEK PUMPING STATION

Pump

Make - Jacuzzi
Horse Power - 10
Phase - 3 phases
G.P.M. - 25 gallons
Wire Size - #6

Well

Well depth - 682 feet
Pump depth - 650 feet
Static water level - 623 feet
Test pump drawdown - 0
Pipe size - 3 inch galvanized
Casing size - 6 inch
Casing depth - 680 feet
Storage - 40,000 gallons

641.00

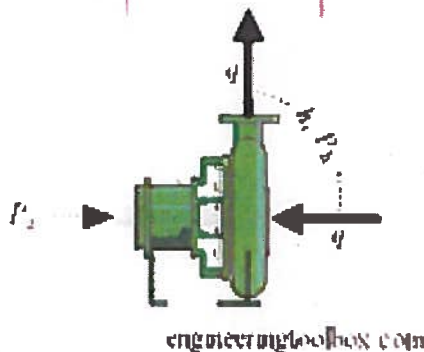
270

Pump Flow Capacity (CFS)

Hydraulic Pump Power

The ideal hydraulic power to drive a pump depends on

- the mass flow rate the
- liquid density
- the differential height



- either it is the static lift from one height to an other, or the friction head loss component of the system - and can be calculated as

$$P_{h(kW)} = q \rho g h / (3.6 \cdot 10^6) \quad (1)$$

where

$P_{h(kW)}$ = hydraulic power (kW)

q = flow capacity (m^3/h)

ρ = density of fluid (kg/m^3)

g = gravity ($9.81 m/s^2$)

h = differential head (m)

The hydraulic Horse Power can be calculated as:

$$P_{h(hp)} = P_{h(kW)} / 0.746 \quad (2)$$

where

$P_{h(hp)}$ = hydraulic horsepower (hp)

$$P_{\text{pump}} = 10 \text{ Hp}$$

$$\frac{10 \text{ Hp} / 0.74569 \text{ kW}}{1 \text{ Hp}} = 7.4569 \text{ kW}$$

$$\rho_{\text{water}} = 1000 \frac{\text{kg}}{\text{m}^3}$$

$$g = 9.81 \text{ m/s}^2$$

$$h = 637 \text{ ft (well depth)}$$

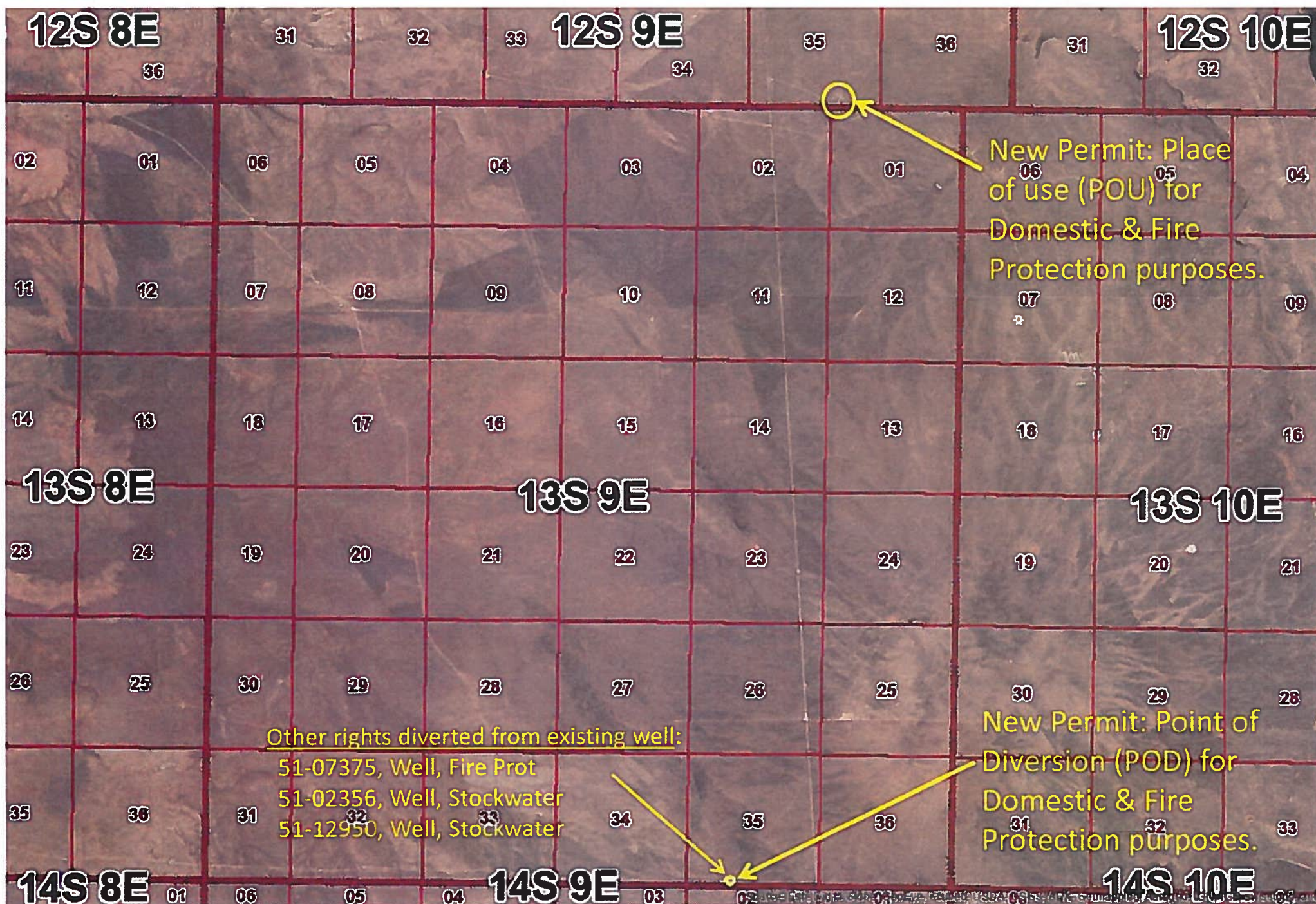
$$\frac{637 \text{ ft} / 3.28 \text{ ft}}{1 \text{ m}} = 194.207 \text{ m}$$

$$q = \frac{P_h \cdot 3.6 \cdot 10^6}{\rho g h}$$

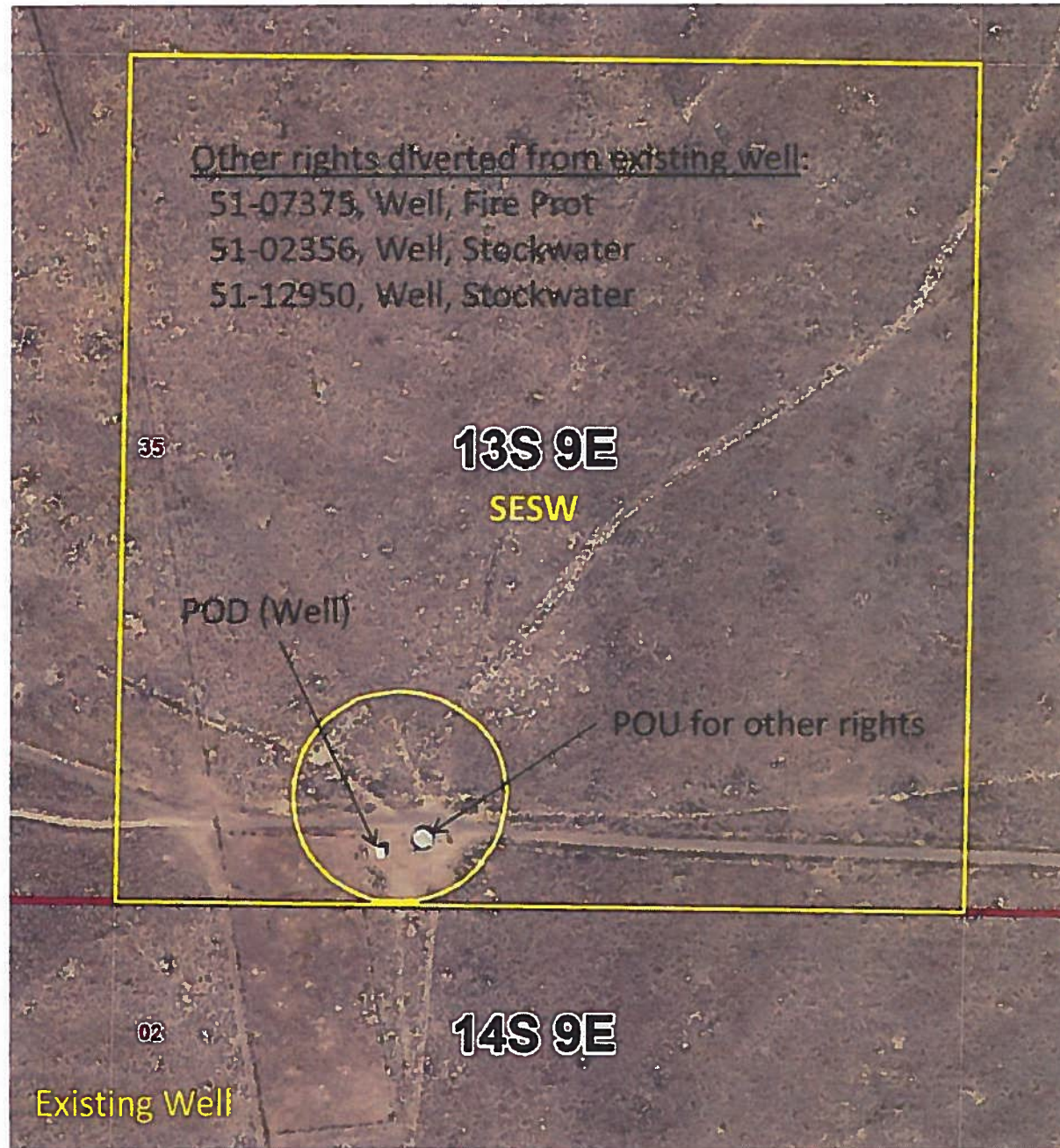
$$q = \frac{7.4569 \text{ kW} \cdot 3.6 \cdot 10^6}{1000 \frac{\text{kg}}{\text{m}^3} \cdot 9.81 \frac{\text{m}}{\text{s}^2} \cdot 194.207 \text{ m}} = 14.09 \frac{\text{m}^3}{\text{hr}}$$

$$q \text{ cfs} = \frac{14.09 \text{ m}^3}{\text{hr}} \cdot \frac{(3.28 \text{ ft})^3}{\text{m}^3} \cdot \frac{1}{3600 \text{ s}} = \boxed{0.138 \text{ cfs}} \cdot 0.75 \text{ efficiency} = \underline{\underline{0.104 \text{ cfs}}}$$

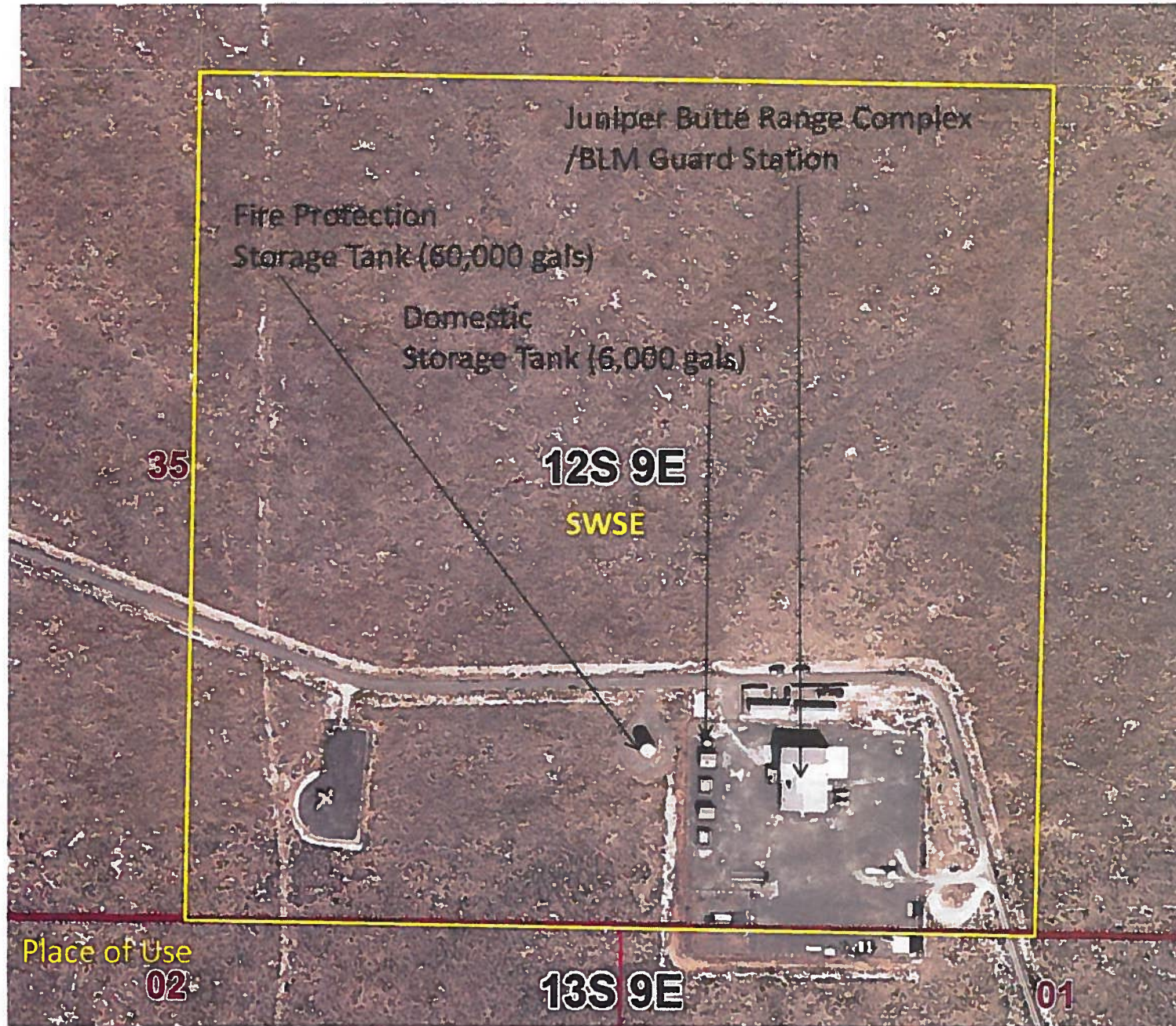
Permit No. 51-13108 POU and POD Overview Map



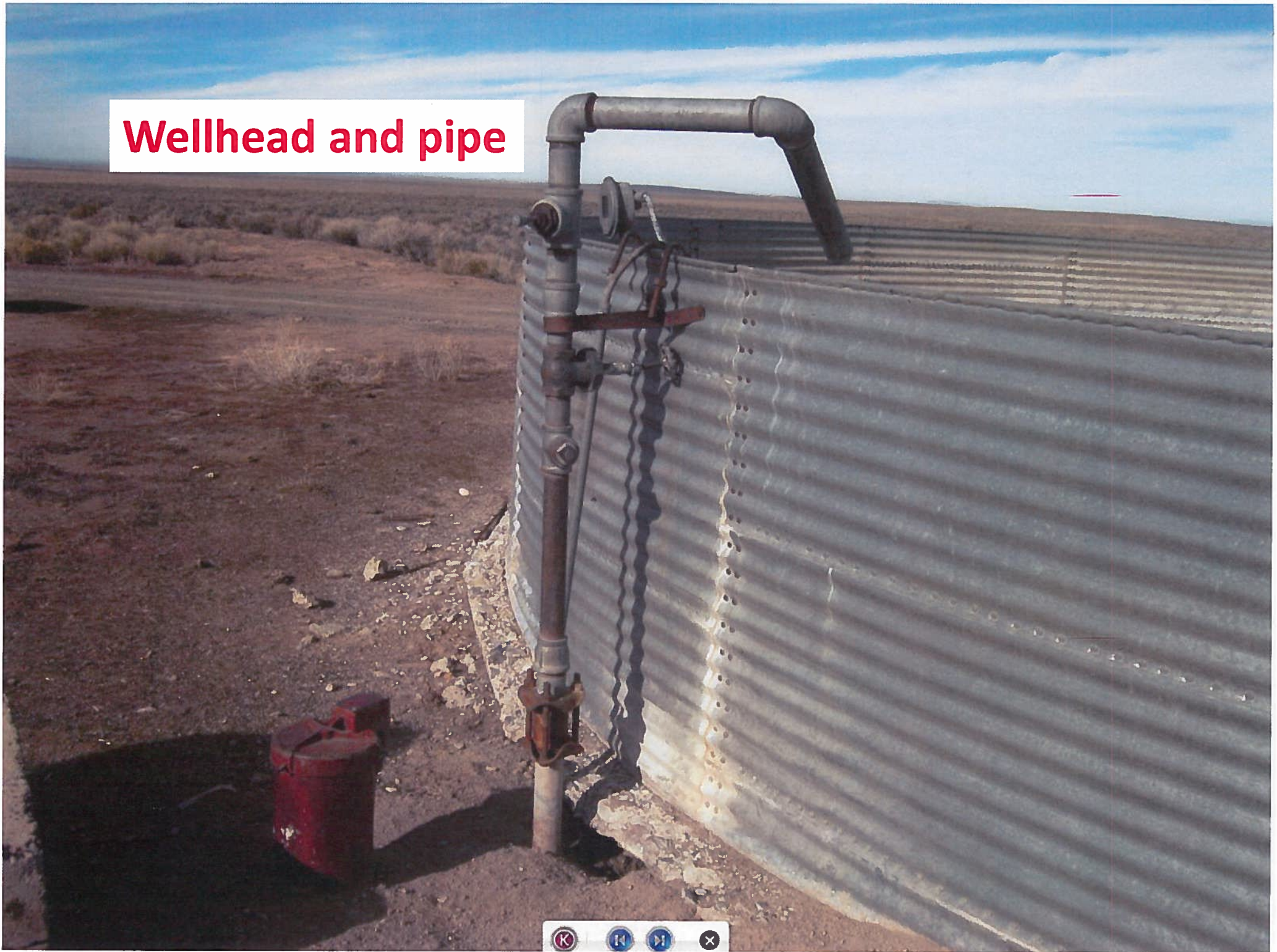
POD



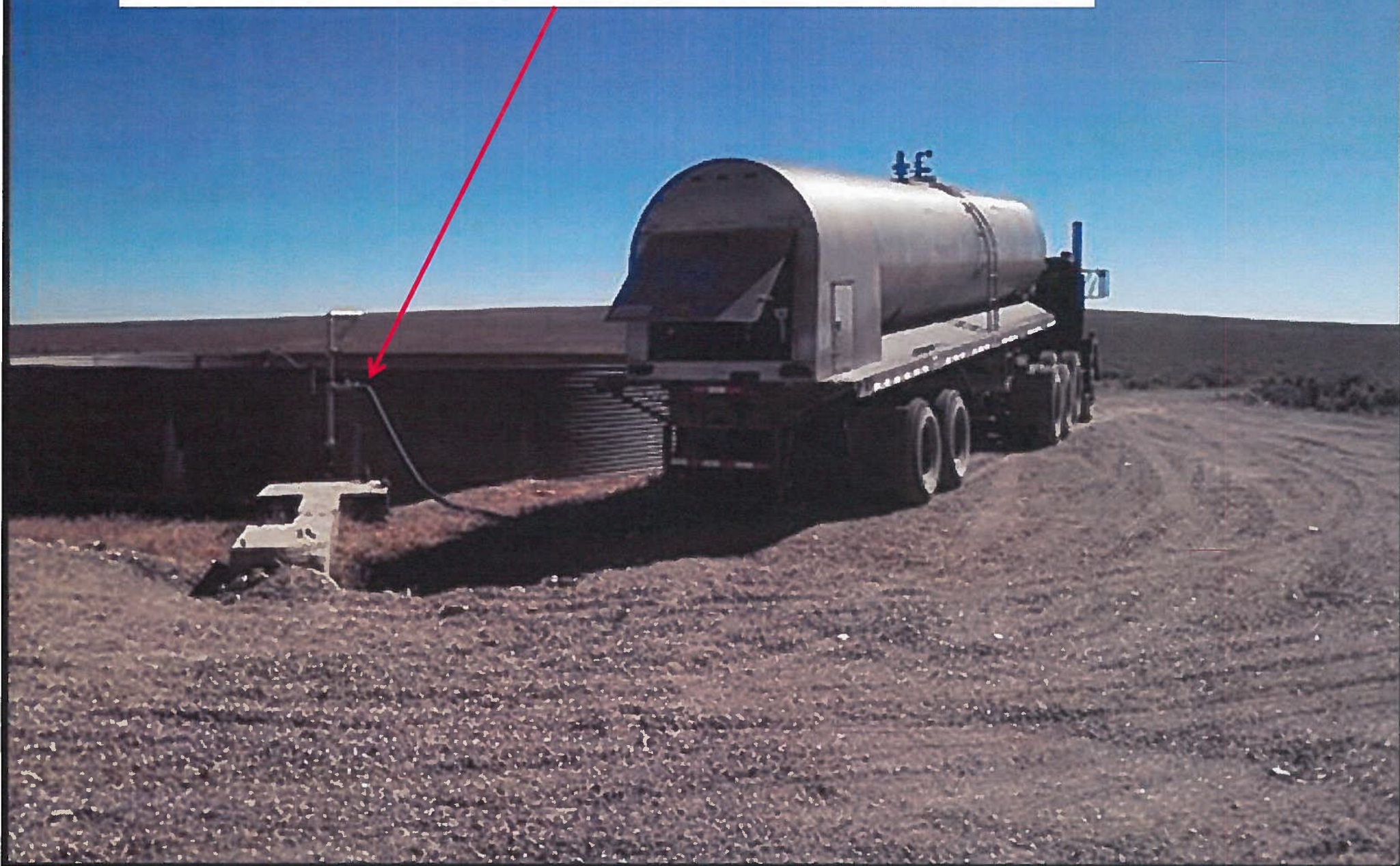
POU



Wellhead and pipe



Water truck connected to pipe for fill-up.

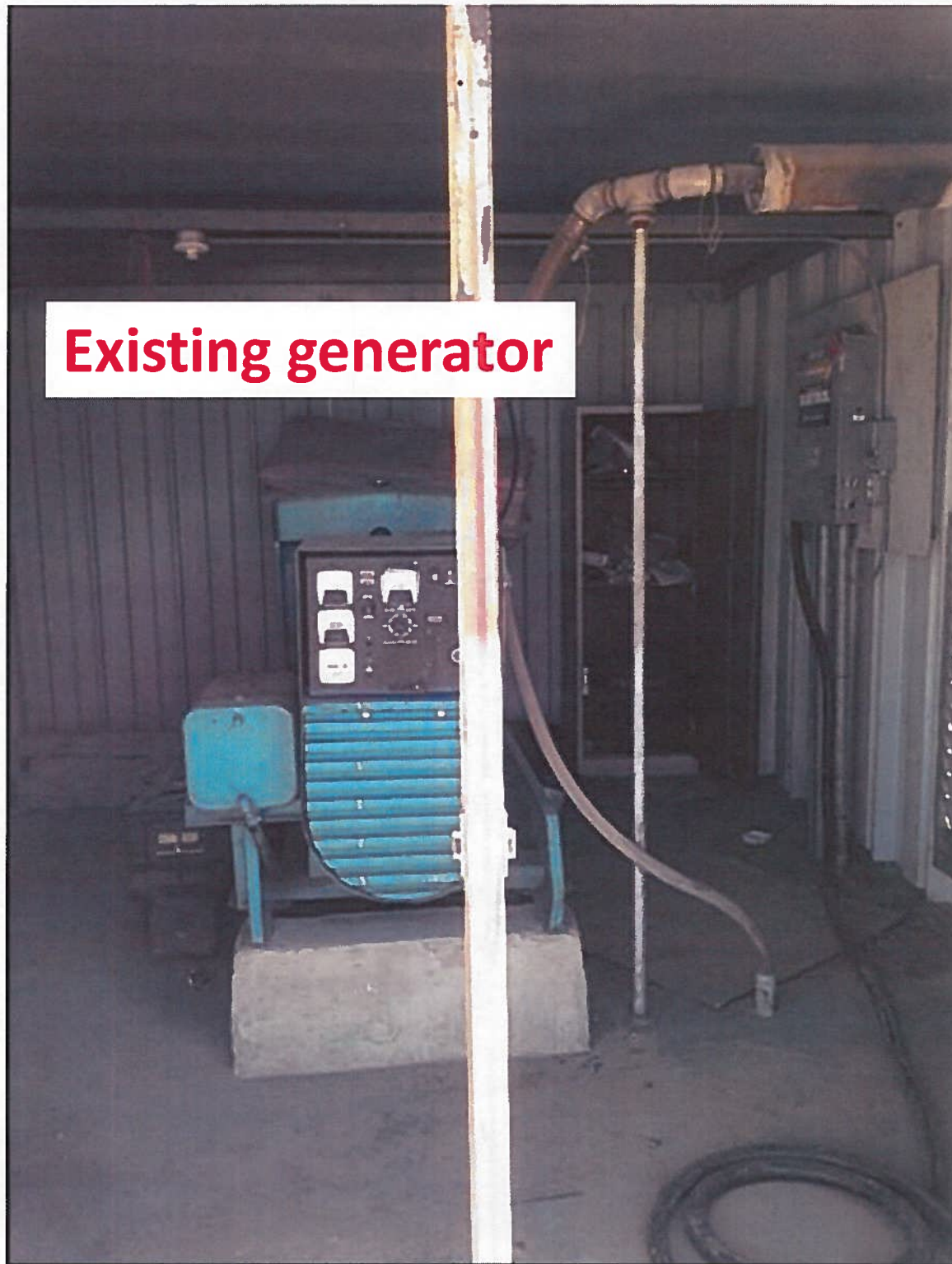


New mobile generator for 51-13108



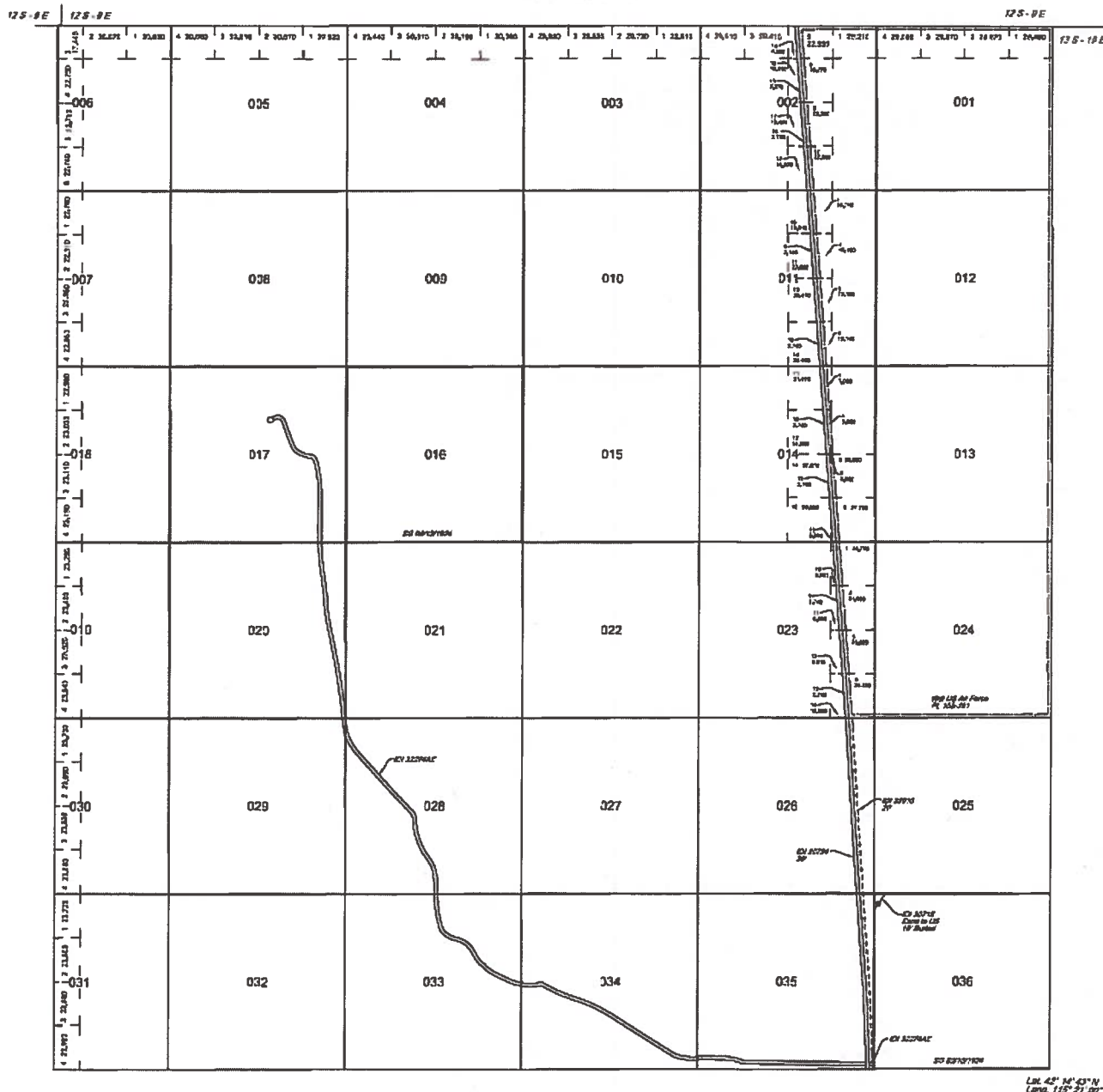
108 HP Generator used with a 10 HP pump.

Existing generator



OWYHEE COUNTY 073
THIRY FALLS DISTRICT SEC 3

MT PLAT

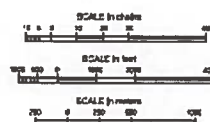
[illegible]

FOR ORDERS EFFECTING DISPOSAL OR USE OF
UNIDENTIFIED LAND REFER TO INDEX OF
MISCELLANEOUS DOCUMENTS

FILE REF: DMS03000054M100020.jpg	
COORDINATED TYP: 00000000	STY JCB
LAST MODIFIED: 09/09/2010	STY JCB
IMAGE #1:	IMAGE #2:
POSTED TO P.B.U.C RECORDS: October 1, 2010	
PUBLIC LAND SURVEY SYSTEM (PLSS)	
BLM ACQ# ACQ-FRQ3	04/06/2006
OT#HQ:	NA
PRODUCED DIGITALLY BY BLM UTM ZONE 11N, NAD 1983	
NOTES:	
USE PLATE	



U.S. Bureau of Land Management - Idaho State Office
1327 S. Vernad Way Boise, Idaho 83703
(208) 373-4000



DISCLAIMER:

¹⁷ It should be noted that the Bureau of Land Management's (BLM) Record of Decision (ROD) and related to survey data. Records remain as not reduced to charges which may have been effected by inland movements of river or other bodies of water. Refer to individual survey for official information.

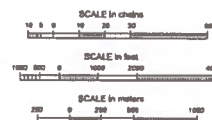
The numbers shown on all packages represent the last action taken, but may not be the effective date. See the third column for the name of official who took action.

No warranty is made by the Bureau of Land Management. The accuracy, reliability, or completeness of these data for technical use or accurate use with other data is not guaranteed.

Exhibitor
T. 13 E
R. 1 E

OWYHEE COUNTY 073
TWIN FALLS DISTRICT SEC 3

U.S. Bureau of Land Management - Idaho State Office
1387 S. Vinnell Way Boise, Idaho 83709
(208) 373-4000



This plot is only a graphic display of the Bureau of Land Management's (BLM) Record of Title and township survey data. Records herein do not reflect title changes which may have been effected by lateral movements of river or other bodies of water. Refer to cadastral surveys for official information.

The notation shown an withdrawal represents the last action taken, but may not be the effective date. See the Historical Index for the date of original withdrawal order.

No warranty is made by the Bureau of Land Management. The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

MT PLAT

[illegible]

Wd US Air Force, PL 105-281, 04/13/1999
Sec 35: Lot 5

FOR ORDERS EFFECTING DISPOSAL OR USE OF
UNIDENTIFIED LAND REFER TO INDEX OF
MISCELLANEOUS DOCUMENTS

FILE REF: ID000102080605AMT103000.dwg	
CONVERTED FROM: 08/22/2011	BY: LFM
LAST UPDATED: 1/21/2011	BY: JCB
DWG# 41:	DWG# 42:
POSTED TO PUBLIC RECORDS:	November 21, 2011
BY:	
PUBLIC LAND SURVEY SYSTEM (PLSS)	
BLM OCS# ACQUIRED:	04/26/2005
OTHER:	N/A
PROJECTED COORDINATE SYSTEM:	UTM ZONE 11N, NAD 1983
NOTES:	
USE PLATS:	

Below Mer.
T. 12 S
R. 9 E



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

May 10, 2016

US DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
1387 S VINNELL WAY
BOISE ID 83709-1657

PROOF ACKNOWLEDGEMENT LETTER

RE: Permit No. 51-13108

Dear Permit Holder(s):

The Department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the Department to conduct a field examination to determine and confirm the use being made of the water.

Please be advised that Section 42-248, Idaho Code, requires you or the owner of this water right to maintain current ownership and address records on file with the Department. Forms to file a change of ownership of a water right and/or a change in the address of the water right owner are available from any Department office or at the Department's website at www.idwr.idaho.gov.

If you have any questions concerning the field examination, please contact the Western Region Office of the Department located in Boise at (208) 334-2190.

Sincerely,

A handwritten signature in blue ink that reads "Darla Block".

Darla Block
Technical Records Specialist

Enclosure(s)