

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7261

Exam Date: 4/28/2015

1. Current Owner: BRETT A ROSE
3400 W 2800 N
MALAD ID 83252
(208) 766 4208

Or

CHARLENE C ROSE
3400 W 2800 N
MALAD ID 83252
(208) 766 4208

2. Accompanied by: Brett Rose

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

NW1/4SE1/4SW1/4

Sec. 20, Twp 14S, Rge 35E, B.M.

ONEIDA County

Method of Determination: GPS and ArcMap

2.

PLACE OF USE:

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
14S	35E	20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
					9.0				9.0	23.0					18.0	20.0			79.0

Total Acres: 79

Method of Determination: Meeting with appropriator, aerial photography, and ArcMap

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4. Well and Diversion Information

75 HP submerged pump. According to well driller report, static water level of 170 ft.

D. FLOW MEASUREMENTS

Theoretical based on PSI at the pump, and a total of 90 sprinklers (33 each on two wheel lines) and two lines ^{hand} (one with 7 and one with 17) with 3/16" nozzles. A theoretical based on the static water level (according to well driller), pump HP, and PSI confirms that the system could produce at least 1.41 cfs.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

45 psi on a 3/16" nozzle discharges 7.03 gpm.

$7.03 \text{ gpm/sprinkler} \times 90 \text{ sprinklers/system} = 632.7 \text{ gpm/system}$

$632.7 \text{ gpm/system} / 448.8 \text{ gpm/cfs} = 1.41 \text{ cfs/system}$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 79 \text{ acres} \times 3.5 \text{ AF/Acre} = 276.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.41 \times 214 \times 1.9835 = 598.50 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 276.5 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

75 hp motor. No stock or domestic.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

1. Recommended Amounts

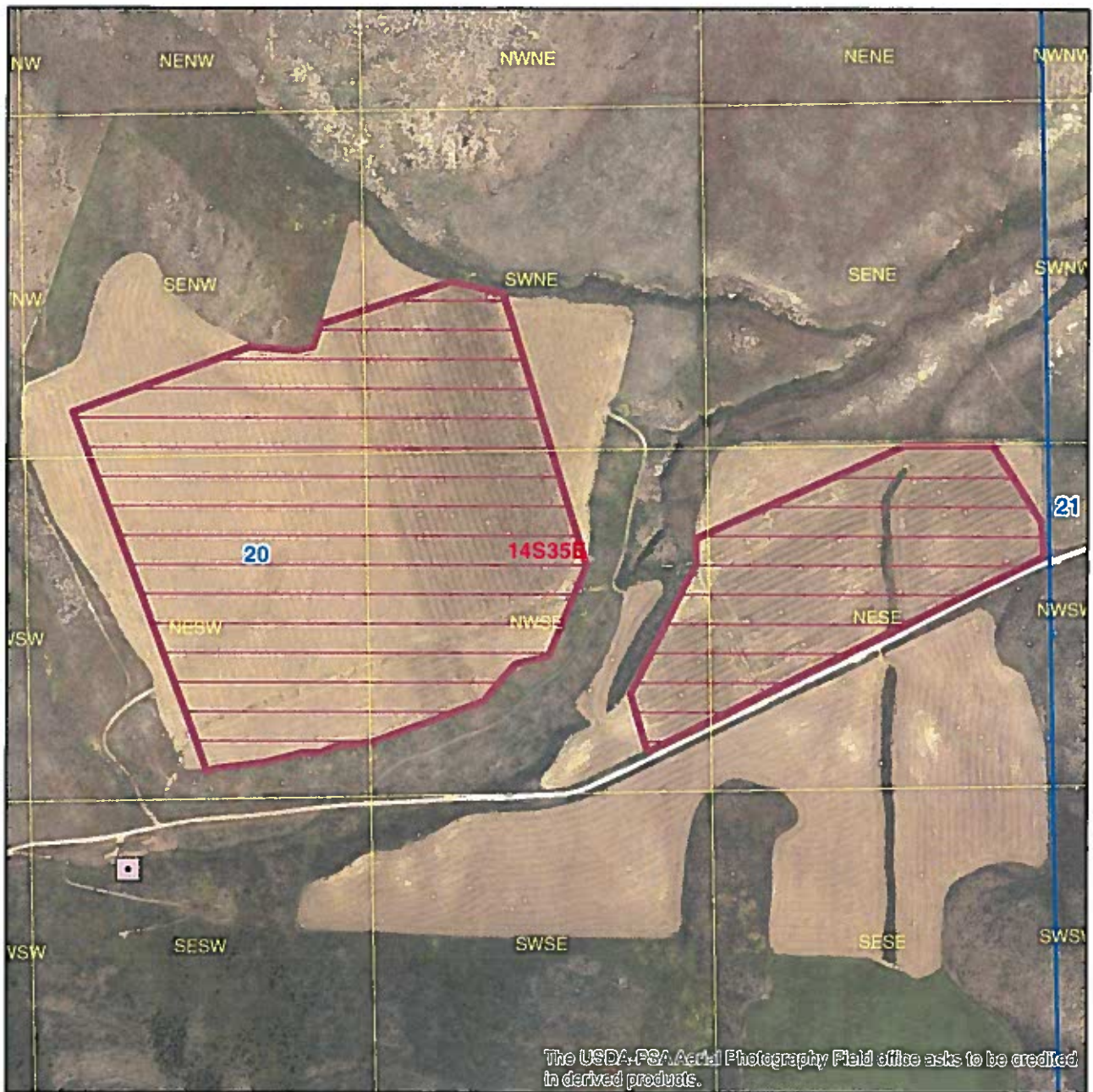
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	1.410 CFS	276.50 AF
<u>Totals:</u>		1.410 CFS	276.50 AF

2. Recommended Amendments

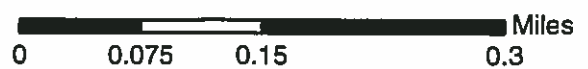
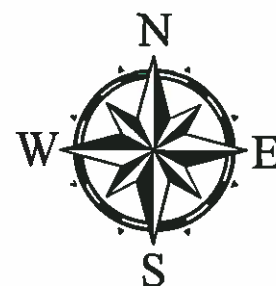
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other**I. AUTHENTICATION**Field Examiner's Name Cooper Fritz Date 11/13/2015

Reviewer _____ Date _____

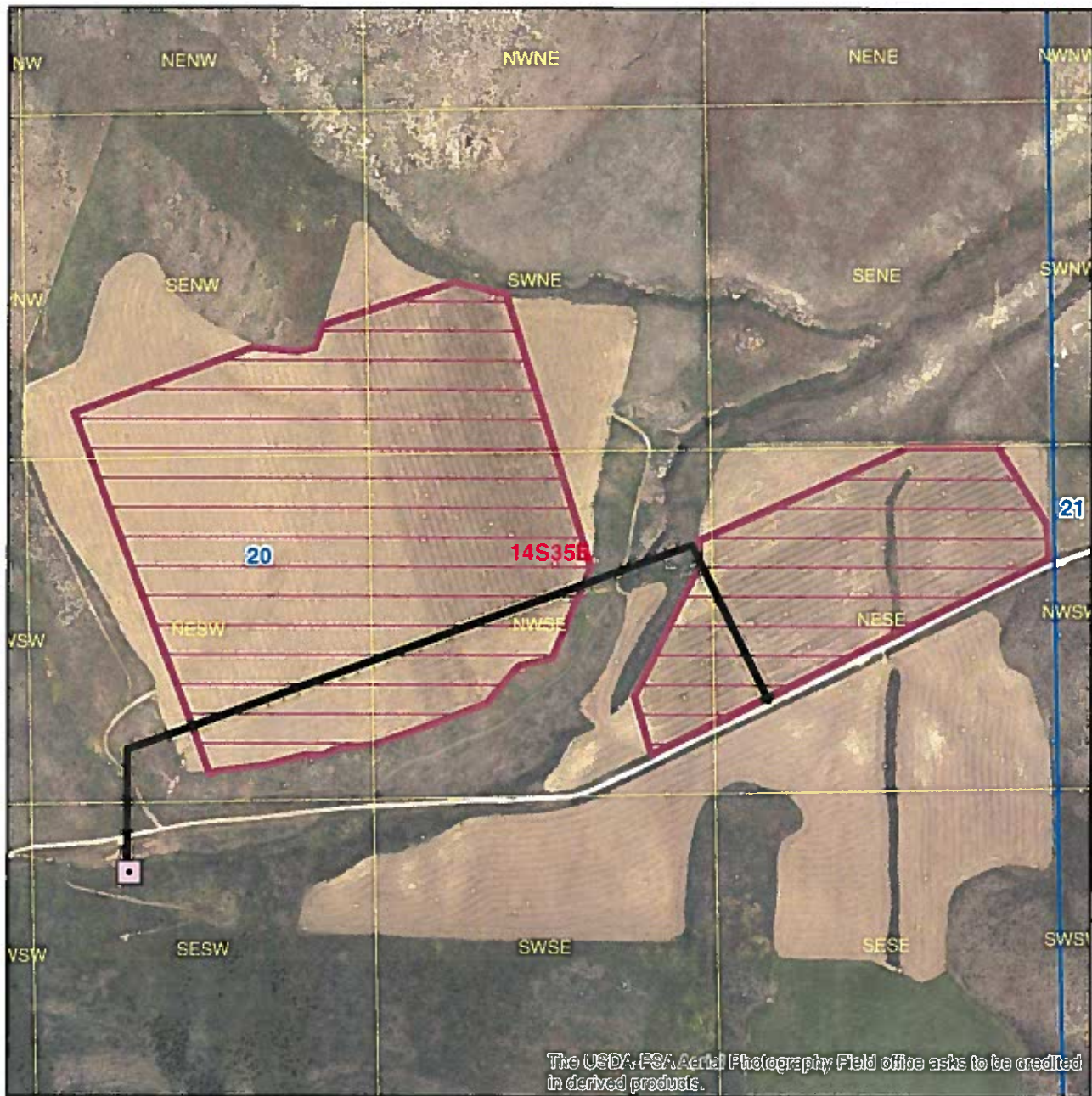
15-7261 POU and POD and Licensing



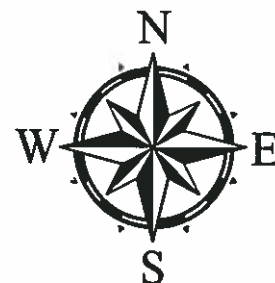
2015 Imagery



15-7261 POU and POD and Licensing

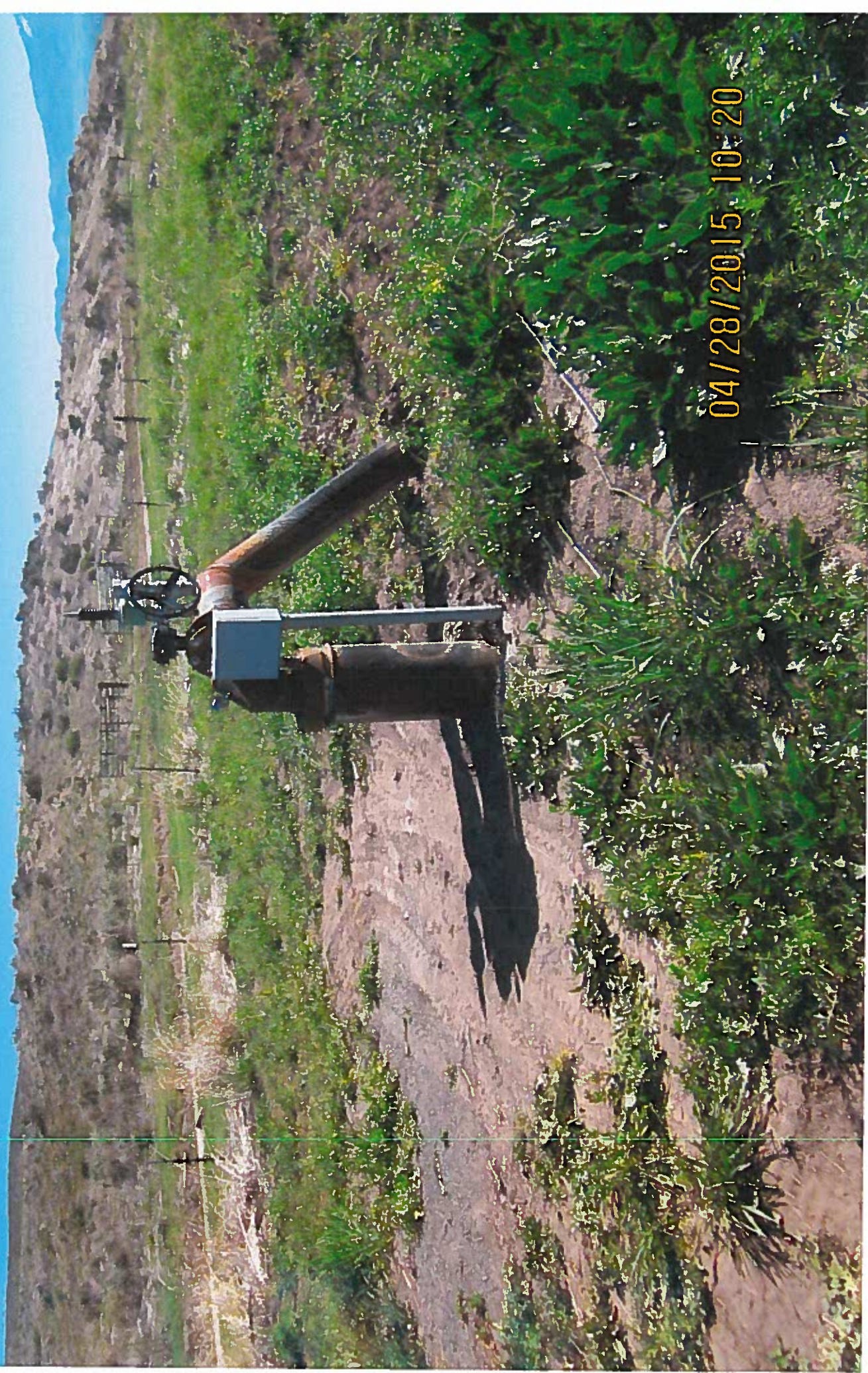


2015 Imagery



0 0.075 0.15 0.3 Miles

04/28/2015 10:20



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 15-7261
Examiner: Cooper Fritz
Date of Field Exam: 4/28/2015

Option 1

P/D No.:

PUMP HORSEPOWER 75
BOOSTER HORSEPOWER 0

PUMPING LEVEL 170

DISCHARGE PRESSURE 45

FRICITION 0

RATE OF FLOW (cfs) 1.69
(gpm) 756.9

The above calculates the formula =
$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: 70 efficiency.

Examiners Notes:

Lift was taken from well log. Hp and PSI were noted during site visit.

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

1. WELL TAG NO. D 0063588

Drilling Permit No. _____

Water right or injection well # _____

2. OWNER: Bret Rane

Name _____

Address 3400 W 2800City Malad State ID Zip 83252

3. WELL LOCATION:

Twp. 14 North ☐ or South ☒ Rge. 35 East ☒ or West ☐Sec. 20 1/4 SE 1/4 SW 1/4Gov't Lot _____ County OneidaLat. 42 ° 11.296 (Deg. and Decimal minutes)Long. 112 ° 23.873 (Deg. and Decimal minutes)

Address of Well Site _____

(Give all West name of road - Distance to Road or Landmark) City Malad

Lot _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection
☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method/procedure
<u>Benmate</u>	<u>0</u>	<u>45</u>	<u>4.2 Bags</u>	<u>Paper</u>

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>12"</u>	<u>42</u>	<u>345</u>	<u>3.5</u>	<u>Steel</u>	☒	☐	☐	☒
				<u>(1)</u>	☐	☐	☐	☐
<u>10"</u>	<u>460</u>	<u>430</u>	<u>3.5</u>	<u>Steel</u>	☒	☒	☐	☒
				<u>(1)</u>	☐	☐	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 460 + 345

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method MachineManufactured screen ☐ Y ☐ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/R	Diameter (nominal)	Material	Gauge or Schedule
<u>200</u>	<u>325</u>	<u>1/16"</u>	<u>204</u>	<u>12"</u>	<u>Steel</u>	<u>.250</u>
<u>220</u>	<u>440</u>	<u>1"</u>	<u>3300</u>	<u>10"</u>	<u>Steel</u>	<u>.250</u>
			<u>4300</u>			

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☐ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 140 Static water level (ft) 170Water temp. (°F) 55 Bottom hole temp. (°F) add 50"

Describe access port _____

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)

Test method:

Pump	Bailer	Air	Flowing artesian
☐	☐	☐	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
<u>16"</u>	<u>0</u>	<u>5</u>	<u>Brown Clay</u>		☒
<u>16"</u>	<u>5</u>	<u>58</u>	<u>Clay + Gravel</u>		☒
<u>12"</u>	<u>58</u>	<u>100</u>	<u>Rock + Clay</u>		☒
<u>12"</u>	<u>140</u>	<u>160</u>	<u>Rock + Gravel little</u>	☒	
<u>12"</u>	<u>160</u>	<u>175</u>	<u>Broken Lime</u>		☒
<u>12"</u>	<u>175</u>	<u>190</u>	<u>Brown Lime</u>		☒
<u>12"</u>	<u>180</u>	<u>190</u>	<u>Gray Lime</u>		☒
<u>12"</u>	<u>190</u>	<u>200</u>	<u>Brown Lime</u>		☒
<u>12"</u>	<u>200</u>	<u>205</u>	<u>Broken Lime little</u>	☒	
<u>12"</u>	<u>205</u>	<u>215</u>	<u>Brown Lime</u>		☒
<u>12"</u>	<u>205</u>	<u>220</u>	<u>Loose Gravel little</u>	☒	
<u>12"</u>	<u>220</u>	<u>235</u>	<u>Gray Lime</u>		☒
<u>12"</u>	<u>235</u>	<u>245</u>	<u>Gravel</u>	☒	
<u>12"</u>	<u>254</u>	<u>255</u>	<u>Lime</u>		☒
<u>12"</u>	<u>255</u>	<u>265</u>	<u>Loose Lime</u>	☒	
<u>12"</u>	<u>265</u>	<u>300</u>	<u>Gray Lime</u>		☒
<u>12"</u>	<u>300</u>	<u>302</u>	<u>Lime</u>	☒	
<u>12"</u>	<u>302</u>	<u>315</u>	<u>hard Lime</u>		☒
<u>12"</u>	<u>315</u>	<u>325</u>	<u>broken Lime</u>		☒
<u>12"</u>	<u>325</u>	<u>340</u>	<u>hard Gray Lime</u>		☒
<u>12"</u>	<u>340</u>	<u>345</u>	<u>broken Lime</u>	☒	
<u>10"</u>	<u>345</u>	<u>368</u>	<u>Lime Stone</u>		☒
<u>10"</u>	<u>365</u>	<u>400</u>	<u>Gravel</u>	☒	
<u>10"</u>	<u>400</u>	<u>430</u>	<u>Black Lime broken stick</u>		☒
<u>10"</u>	<u>430</u>	<u>437</u>	<u>hard Lime</u>		☒
<u>10"</u>	<u>437</u>	<u>460</u>	<u>Black Shell</u>		☒

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SEP 30 2014

NOV 12 2014

Department of Water Resources Eastern Region

Completed Depth (Measurable): 460'Date Started: 1-22-14 Date Completed: 7-8-14

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Mountain Well Drill No. 5413*Principal Driller Michael Zander Date 7-16-14

*Driller _____ Date _____

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

RECEIVED

SEP 19 2014

Department of Water Resources
Eastern Region

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

FOR OFFICE USE ONLY	
Amt. of Fee \$	150.00
Receipt No	E640261
Receipt By	SC
Date Received	9/19/14

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.

- Permit No.: 15-07261 Telephone No.: 208-241-7043
- Name of Permit Holder(s): Brett A Rose or Charlene C Rose
- Mailing Address: 3400w, 2800N, City: Mald
State: Id Zip: 83252 Email: _____
- Source of Water: well If GROUND WATER (well), Date Drilled: mo. 7 / yr. 14
Well Driller: MIN West Drilling (Michael Frady) Drilling Permit Number: D 0063588
- Extent of use(s) completed (as authorized by the water right permit):
Domestic (No. of households): 1 Stockwater (No. and type of stock): 400 Range Cattle
Irrigation (No. of acres): 129 Other: _____
- Total rate of diversion or storage volume for which proof is submitted: 2.58 cfs OR _____ acre-feet.
- 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? Yes ☐ No ☒
If yes, has the measuring device been installed? Yes ☐ No ☐
Lockable Controlling Device: Is a lockable device required to control the diversion? Yes ☐ No ☒
If yes, has the lockable device been installed? 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.

Completed? Yes ☐ No ☒
- Fee Enclosed: \$ 150.00 See fee schedule on back of the instructions for filing proof of beneficial use. Proofs filed without an appropriate fee, will be considered incomplete.

- Person to contact to accompany the Department representative during field examination of the water system.
Name: Brett Rose Telephone Number: 208-241-7043
Mailing Address: 3400w, 2800 N, City: Mald
State: Id Zip: 83252 Email: _____

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: Brett Rose Date: 9-17-14
(Include your title, if on behalf of company or organization)

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

IDAHO DEPARTMENT OF WATER RESOURCES
Proof Report

11/13/2015

1. 26A Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
2. 046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
3. R63 This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.5 afa per acre at the field headgate for irrigation of the lands above.
4. X01 Domestic use is for 1 home.
5. X02 Stockwater use is for 400 range cattle.
6. 01M After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.

Comments:

1. erushing 12/28/2009 Extension of Time
Last extension for due diligence.

Dates and Other Information

Permit Proof Due Date: 11/1/2014
Permit Proof Made Date: 9/19/2014
Permit Approved Date: 11/12/2004
Owner Name Connector: Or
Generic Max Rate Per Acre: 0.020
Generic Max Volume Per Acre: 3.5
Mitigation Plan: False

Combined Use Limits

N/A

Verification Log

SubCase:

N/A

Water Supply Bank:

N/A