

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 63-33699

Exam Date: 03/16/15

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)?
- X
- Y
-
- N

- a. Irrigation of 5 acres or less
 b. Storage of up to 14.6 AF for stockwater purposes only
 c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 d. Other < >

2. Current Owner: Name: McShane

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No: Address Address on license is property address. Cannot confirm Meridian address on statement of completion.

3. Beneficial Use Fees have been paid:
- X
- Y
-
- N Receipt No: W042854

- 4.
- SOURCE
- TRIBUTARY

Groundwater

Method of Determination: well log

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:
-
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis
Black Canyon Irr. Dist.	Elijah & Wilson Slough, Payette River, Tunnel No. 2 Drain	Irrigation	Decreed

Comments: Black Canyon Irr. Dist. /BOR: 63-2322, 63-2878, 65-2433, 65-2900

2. Other water rights with the same point of diversion:
- X
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments:

C. DIVERSION AND DELIVERY SYSTEM

- 1.
- LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater	5		NE	NE	3	05N	03W	B.M.	Canyon
								B.M.	

Method of Determination: well log

Change in POD? Y X N Amendment Required? Y X N

- 2.
- PLACE OF USE:
- Use: Irrigation

TW P	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	03W	3	1.7																
		Lot #	5																
Total Acres =																			1.7

Method of Determination: Taxlot acres – 2.4 acres PIN R2278400000 14049 OASIS RD

Permit holder provided photos and diagram of irrigation. 2013 NAIP and 2014 Landsat was inconclusive. Based POU polygon on diagram provided following the taxlot boundary as closely as probable and through GPS well location.

Change in POU? ____Y__X__N Amendment Required? ____Y__X__N

___ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

___ Aerial Photo Attached (required for irrigation of 10+ acres).

___ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: < _____ >

E. FLOW CALCULATIONS

___ Additional Computation Sheets Attached

Measured Method:

Per App. Processing Memo #17, up to 0.03 cfs/acre for irrigation up to 5 acres acceptable. 1.7 acres(0.03 cfs) = 0.05 cfs

Measurement = 0.05 cfs

Permit allowed = 0.04 cfs

License recommend for 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.7 \times 4.5 = 7.7$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \times 260 \times 1.9835 = 20.6$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.7$$

2. Volume Calculations for Other Uses:

G. PURPOSE OF USE

Irrigation ____X__Y ____N # Stock _____ Domestic # of Homes _____

Other: < >

Change in Purpose of Use? ____Y ____N

Method of Determination: Information provided by permit holder.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

- Season of Use: 03/01-11/15 (260 days)

Headgate: 4.5
 Cons. Use: 3.5
 Water District 63

Permit holder provided photos and diagram of irrigation. 2013 NAIP and 2014 Landsat was inconclusive. Based POU polygon on diagram provided following the taxlot boundary as closely as probable and through GPS well location.

Conditions

- This right does not grant any right-of-way or easement across the land of another.
- The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
- This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.5 afa per acre at the field headgate for irrigation of the place of use.
- Needs water district condition.
- No overlap condition – Although POU is overlapped by Black Canyon Irr. Dist, there is no evidence of water delivery. Review of 2004, 2009, 2011, and 2013 NAIP imagery do not show evidence of water delivery/irrigation.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	03/01 to 11/15	0.04 CFS	7.7 AF
<u>Totals:</u>		0.04 CFS	7.7 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 ☒ None

Other: < >

J. AUTHENTICATION

Field Examiner's Name *Daniel L. Lamm* Date 07/10/15

Reviewer *Daniel A. Mc* Date 4-14-15

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT1. WELL TAG NO. D 0063746Drilling Permit No. 914710-863344

Water right or Injection well # _____

2. OWNER: Michael McShane

Name _____

Address 15497 Oas. Rd.City Caldwell State ID. Zip 83607

3. WELL LOCATION:

Twp. 5 North ☒ or South ☐ Rge. 3 East ☐ or West ☒Sec. 3 1/4 NE 1/4 NE 1/4Gov't Lot _____ County CanyonLat. 43 ° 48.343 (Deg. and Decimal minutes)Long. 116 ° 40.392 (Deg. and Decimal minutes)Address of Well Site 14049 Oas. Rd.(Give at least name of road + Distance to Road or Landmark) City CaldwellLot _____ Blk. _____ Sub. Name Hill Ridge Est.

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 ³)	Placement method/procedure
<u>3/8 bit</u>	<u>0</u>	<u>42</u>	<u>19 bags</u>	<u>Dry Power</u>

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>6</u>	<u>42</u>	<u>330</u>	<u>250</u>	<u>Steel</u>	☐	☐	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 330'

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☐ N Method _____Manufactured screen ☒ Y ☐ N Type JohnsonMethod of installation Wash DN. Valve

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
<u>330</u>	<u>335</u>	<u>20</u>	<u>6"</u>	<u>7/8 S.S.</u>		

Length of Headpipe 5' Length of Tailpipe 0Packer ☒ Y ☐ N Type 3-Rib

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	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) 205 Static water level (ft) 162

Water temp. (°F) _____ Bottom hole temp. (°F) _____

Describe access port Sand Seal Limit Cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
<u>375</u>	<u>100</u>	<u>1 hr.</u>
<u>260</u>	<u>80</u>	<u>.5 hr.</u>

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>10</u>	<u>0</u>	<u>4</u>	<u>Top Soil</u>		☒
<u>16</u>	<u>4</u>	<u>9</u>	<u>Hrd pan & clay</u>		☒
	<u>9</u>	<u>14</u>	<u>Clay & Sand</u>		☒
	<u>14</u>	<u>19</u>	<u>Large Sand</u>		☒
	<u>19</u>	<u>24</u>	<u>Sandy clay</u>		☒
	<u>24</u>	<u>29</u>	<u>Brn clay</u>		☒
	<u>29</u>	<u>34</u>	<u>Sandy clay</u>		☒
	<u>34</u>	<u>39</u>	<u>Sand</u>		☒
	<u>39</u>	<u>44</u>	<u>Sandy clay</u>		☒
	<u>44</u>	<u>49</u>	<u>Brn clay</u>		☒
	<u>49</u>	<u>54</u>	<u>Sandy clay</u>		☒
	<u>54</u>	<u>59</u>	<u>Sand</u>		☒
	<u>59</u>	<u>64</u>	<u>Sandy clay</u>		☒
	<u>64</u>	<u>69</u>	<u>Brn clay</u>		☒
	<u>69</u>	<u>74</u>	<u>Sandy clay</u>		☒
	<u>74</u>	<u>79</u>	<u>Sand</u>		☒
	<u>79</u>	<u>84</u>	<u>Sandy clay</u>		☒
	<u>84</u>	<u>89</u>	<u>Brn clay</u>		☒
	<u>89</u>	<u>94</u>	<u>Sandy clay</u>		☒
	<u>94</u>	<u>99</u>	<u>Sand</u>		☒
	<u>99</u>	<u>104</u>	<u>Fractured clay & sand</u>	☒	
	<u>104</u>	<u>109</u>	<u>Sand Silty</u>	☒	
	<u>109</u>	<u>114</u>	<u>Brn clay</u>		☒
	<u>114</u>	<u>119</u>	<u>Sandy clay (Silty)</u>	☒	
	<u>119</u>	<u>124</u>	<u>Fractured clay</u>	☒	
	<u>124</u>	<u>129</u>	<u>Sand (Silty)</u>	☒	
	<u>129</u>	<u>134</u>	<u>Brn clay</u>		☒
	<u>134</u>	<u>139</u>	<u>Sandy clay</u>		☒
	<u>139</u>	<u>144</u>	<u>Fractured clay & sand</u>	☒	
	<u>144</u>	<u>149</u>	<u>Brn clay</u>		☒
	<u>149</u>	<u>154</u>	<u>Sand</u>	☒	
	<u>154</u>	<u>159</u>	<u>Fractured clay & sand</u>	☒	
	<u>159</u>	<u>164</u>	<u>Brn clay</u>		☒
	<u>164</u>	<u>169</u>	<u>Med Sand (white)</u>	☒	

RECEIVED

SEP 07 2012

WATER RESOURCES
WESTERN REGIONCompleted Depth (Measurable): 335'Date Started: 5-11-12Date Completed: 5-17-12

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 Pro-Son Welding No. 522*Principal Driller Jeff A. Pearson Date 5-24-12

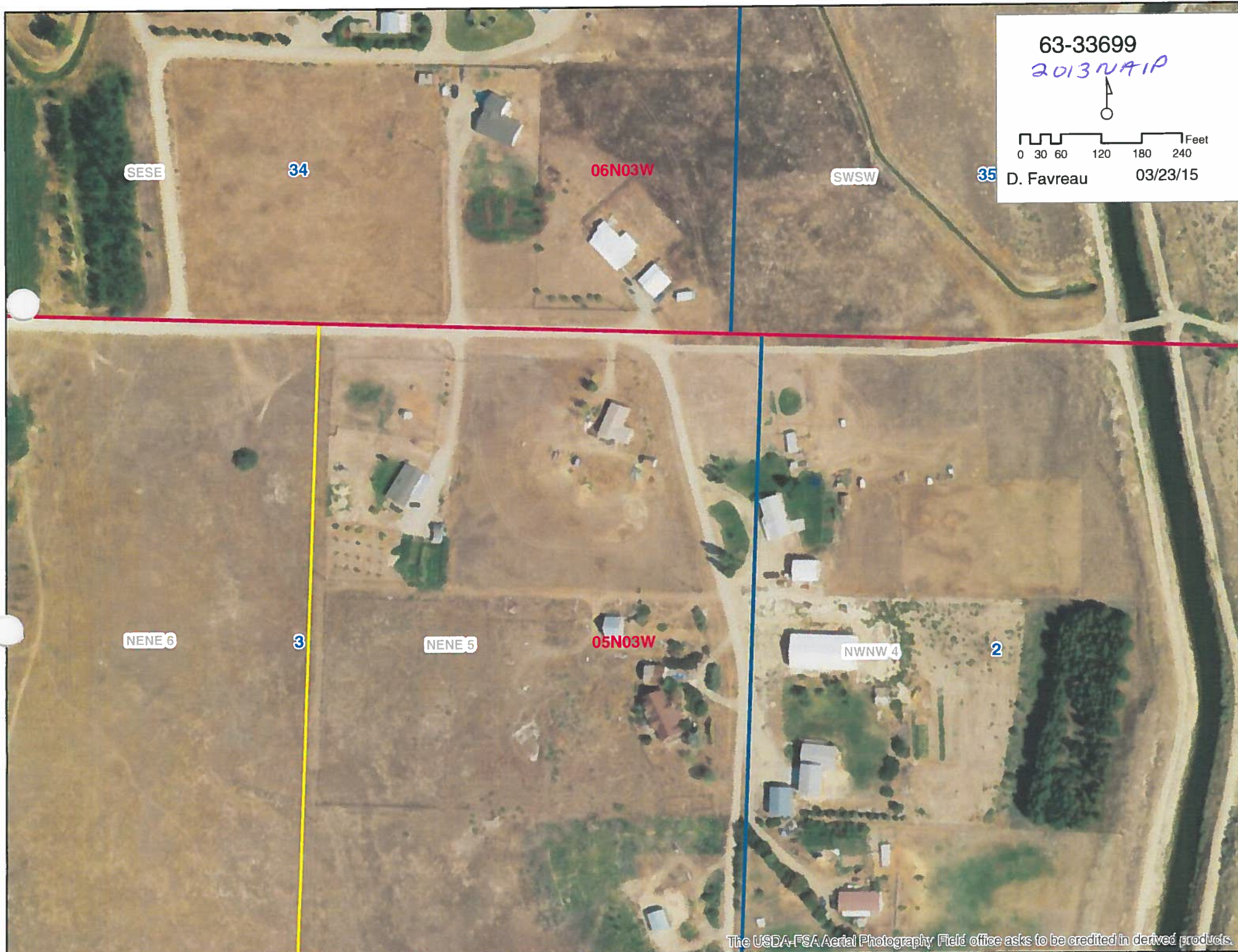
*Driller _____ Date _____

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

[illegible]



63-33699

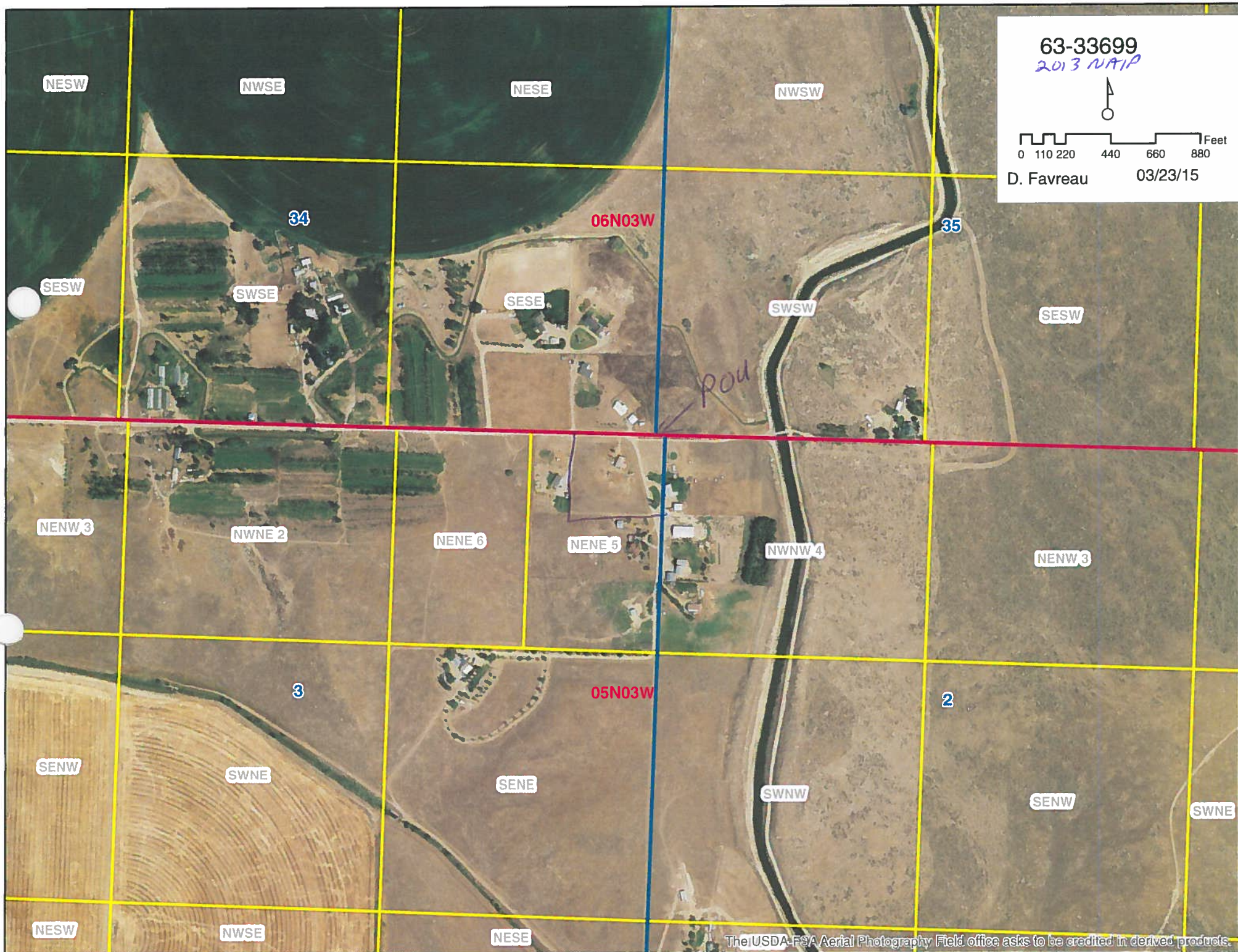
2013 NAIP



0 30 60 120 180 240 Feet

D. Favreau

03/23/15



63-33699

2013 NAIP



0 110 220 440 660 880 Feet

D. Favreau

03/23/15

63-33699



0 110 220 440 660 880 Feet

D. Favreau

03/23/15

34

06N03W

35

← pou

3

05N03W

2

Landsat: p42r29_18_20140912_b543

63-33699



0 110 220 440 660 880 Feet

D. Favreau

03/23/15

34

06N03W

35

POA

3

05N03W

2

Landsat: p42r29_18_20140726_b543

Dan,

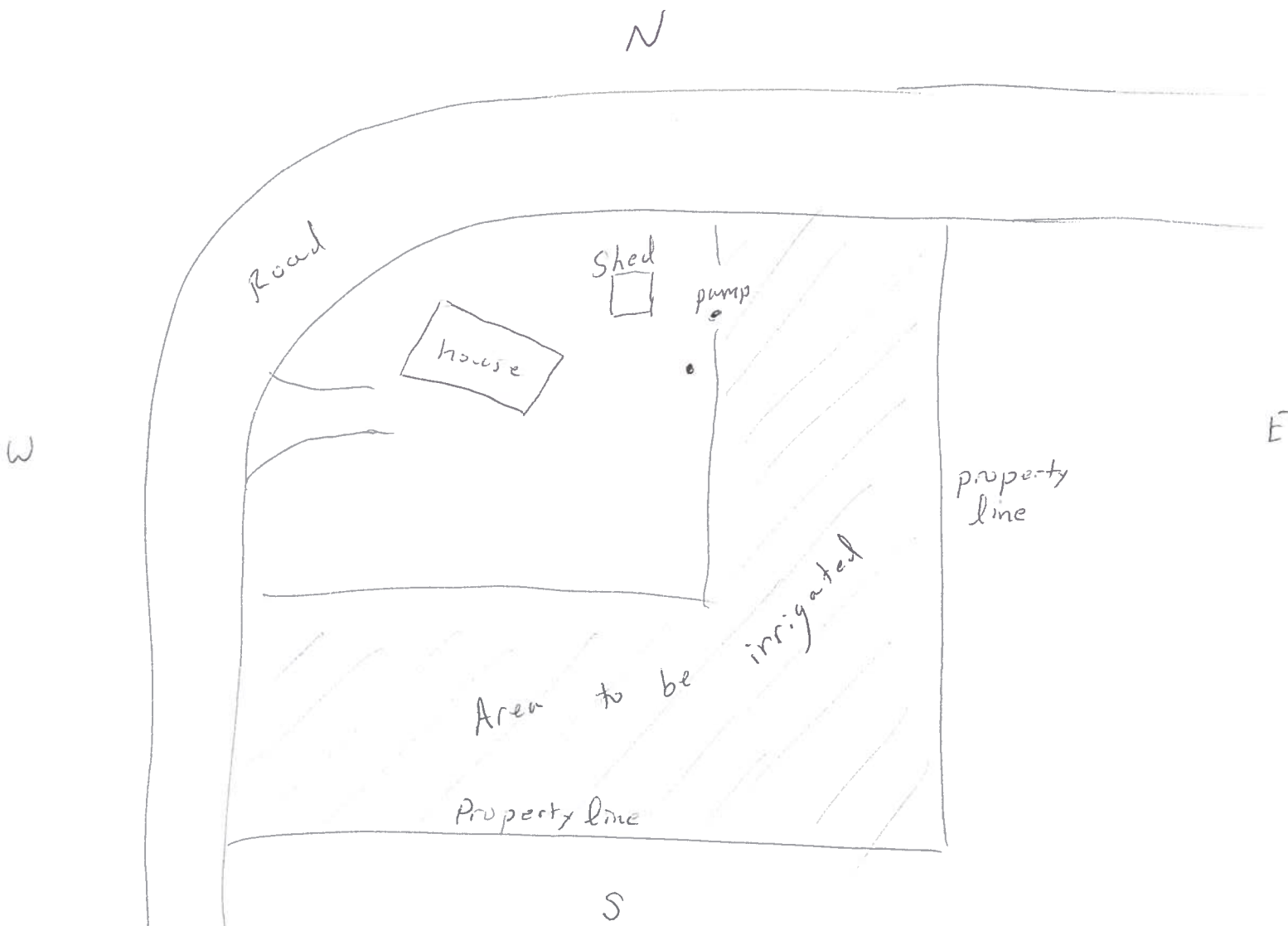
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APR 06 1993

DEPARTMENT OF
WATER RESOURCES

Here is the layout of the property and some pictures

Mymachase





Pump and i.r. line
Extra pipe and Fencing material



Looking SW from House



Looking N from SW corner
Looking W from House

