

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7372

Exam Date: 9/4/2014

1. Current Owner: NEIL SCHOENENBERGER
11577 S OLD HWY 191
MALAD ID 83252
801 725 5596
2. Accompanied by: Neil Schoenenberger
Phone No: 801 725 5596
Address: PO Box 3285, Ogden, UT, 84409 (this is his daughter Karen's address)
Relationship to Permit Holder: Same

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None, with the exception of a statutory claim held by Samaria Irrigation Co in the NESW of Section 26.
2. Other water rights with the same point of diversion: None

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

GROUND WATER

SW1/4NE1/4

Sec. 23, Twp 16S, Rge 36E, B.M.

ONEIDA County

Method of Determination: GPS

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16S 36E 23			39.0	34.0				28.0	27.0			.3	19.0	38.0	1.0		186.3

Total Acres: 186.3

Method of Determination:

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. **Pump Information**

200 HP pump and 10 HP booster

D. FLOW MEASUREMENTS

1. **Measurement Equipment**
Fuji Portaflow C

2. Measurements:

Two measurements were taken, one from each pipe after they split into a "Y" and head to the two different pivots:
First pipe/full circle pivot: 921.27 gpm
Second pipe/wiper pivot: 391.67 gpm

System total: 1312.94 gpm

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

1312.94 gpm / 448.83 cfs = 2.93 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 186.3 \text{ acres} \times 3.5 \text{ AF/Acre} = 652.05 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.93 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 1243.69 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 652.05 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

200 HP pump, 10 hp booster. Two pivots. VFD on system. Land in the SENE of Section 23 hosts 600 cattle

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	2.930 CFS	652.05 AF
<u>Totals:</u>		2.930 CFS	652.05 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 2/11/2015

Reviewer _____ Date _____

	4 'VELOCITY ft/s	'FLOW RATE gal/min	'+TOTALIZER gal
9/4/2014 14:21	3.302	895.3581	3842.488
9/4/2014 14:21	3.367	912.9409	3986.93
9/4/2014 14:21	3.367	912.9291	4142.344
9/4/2014 14:21	3.321	900.584	4290.473
9/4/2014 14:21	3.373	914.5733	4447.617
9/4/2014 14:21	3.362	911.6482	4592.669
9/4/2014 14:22	3.326	901.9436	4742.593
9/4/2014 14:22	3.385	917.8639	4894.071
9/4/2014 14:22	3.397	921.2705	5046.718
9/4/2014 14:22	3.379	916.1422	5201.243
9/4/2014 14:22	3.336	904.644	5352.453
9/4/2014 14:22	3.354	909.5597	5503.235
9/4/2014 14:23	3.345	907.1179	5654.054
9/4/2014 14:23	3.333	903.9327	5804.455
9/4/2014 14:23	3.366	912.6637	5955.757
9/4/2014 14:23	3.347	907.4898	6105.984
9/4/2014 14:23	3.391	919.4515	6259.611
9/4/2014 14:23	3.365	912.4333	6412.573
9/4/2014 14:24	3.36	911.0471	6563.322
9/4/2014 14:24	3.385	917.9576	6715.003
9/4/2014 14:24	3.316	899.1946	6868.207
9/4/2014 14:24	3.373	914.6928	7019.132
9/4/2014 14:24	3.354	909.5309	7171.124
9/4/2014 14:24	3.336	904.5959	7321.08
9/4/2014 14:25	3.323	900.966	7472.527
9/4/2014 14:25	3.359	910.8107	7622.292
9/4/2014 14:25	3.354	909.5468	7773.885
9/4/2014 14:25	3.362	911.5995	7925.761
9/4/2014 14:25	3.351	908.5853	8077.226
9/4/2014 14:25	3.328	902.3544	8228.646
9/4/2014 14:26	3.348	907.9851	8379.195
9/4/2014 14:26	3.31	897.5964	8528.802
9/4/2014 14:26	3.305	896.2283	8678.774
9/4/2014 14:26	3.357	910.3541	8829.514
9/4/2014 14:26	3.287	891.2494	8979.874
9/4/2014 14:26	3.314	898.514	9129.538
9/4/2014 14:27	3.337	904.9837	9281.563
9/4/2014 14:27	3.369	913.5374	9433.049
9/4/2014 14:27	3.365	912.4067	9583.833
9/4/2014 14:27	3.333	903.849	9736.459
9/4/2014 14:27	3.346	907.3956	9886.4
9/4/2014 14:27	3.338	905.1361	10036.721
9/4/2014 14:28	3.35	908.4809	10188.342
9/4/2014 14:28	3.336	904.7008	10339.646
9/4/2014 14:28	3.303	895.7353	10490.728

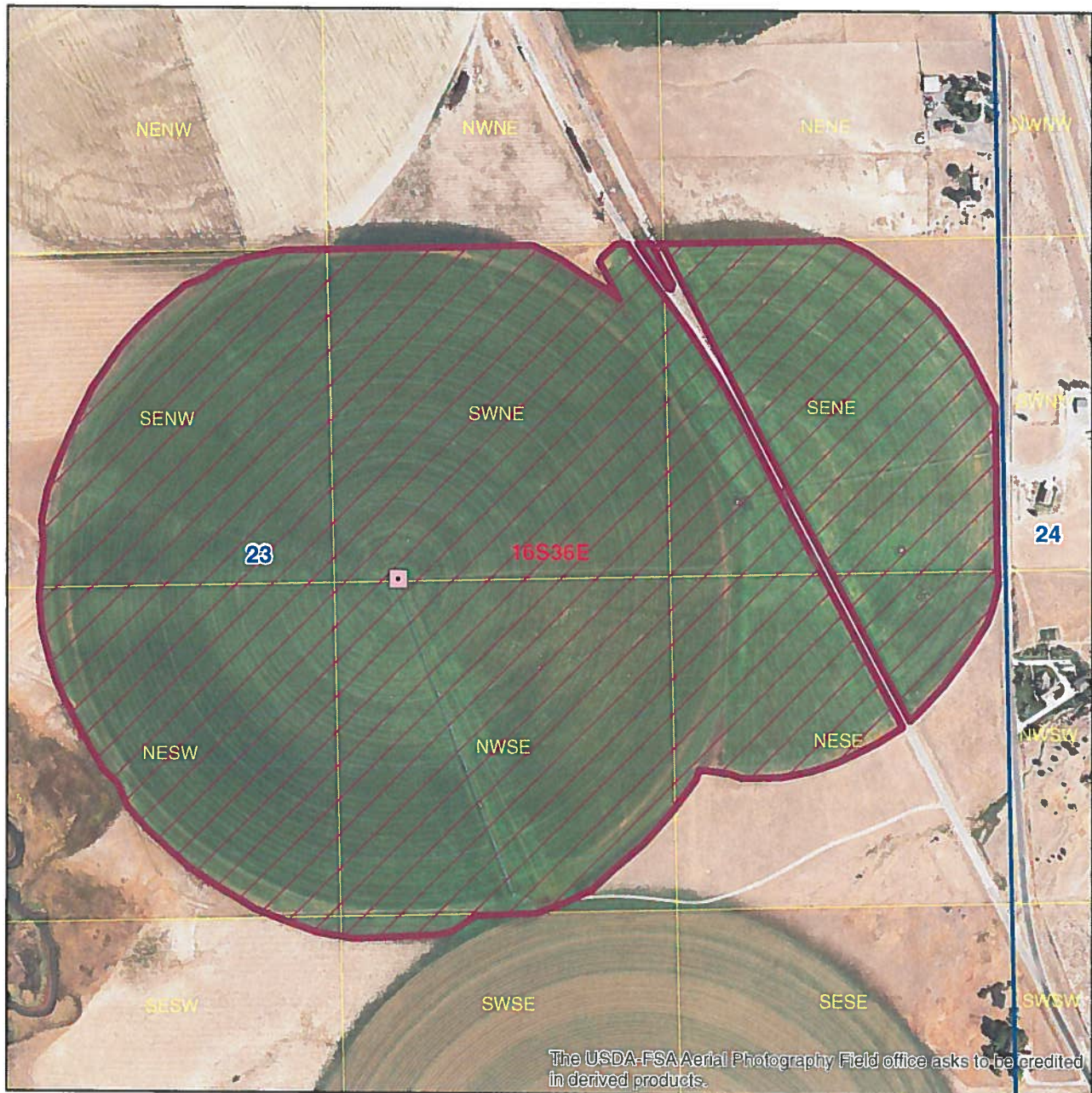
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9/4/2014 14:29	3.33	902.905	11093.449
9/4/2014 14:29	3.344	906.9052	11243.817
9/4/2014 14:29	3.348	907.9247	11395.61
9/4/2014 14:29	3.339	905.4527	11546.53
9/4/2014 14:29	3.349	908.0041	11697.448
9/4/2014 14:29	3.353	909.1665	11849.334
9/4/2014 14:30	3.393	920.09	12001.417
9/4/2014 14:30	3.36	911.0353	12153.586
9/4/2014 14:30	3.314	898.7521	12304.115
9/4/2014 14:30	3.342	906.3118	12455.173
9/4/2014 14:30	3.33	902.9321	12606.302
9/4/2014 14:30	3.292	892.6101	12756.593
9/4/2014 14:31	3.329	902.6183	12907.89

4 'VELOCITY 'FLOW RAT '+TOTALIZER

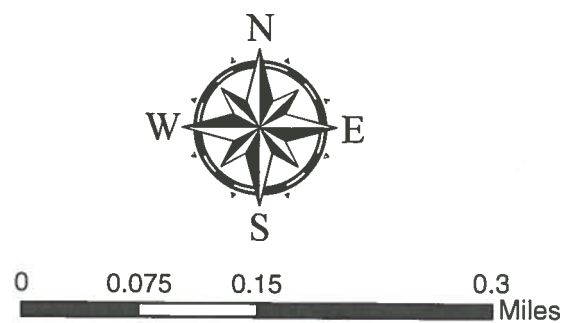
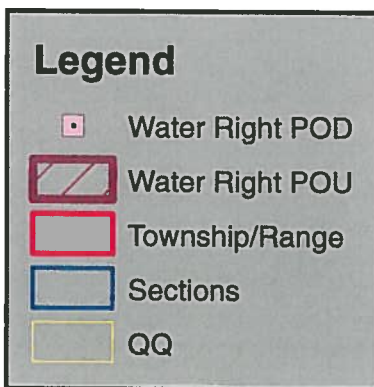
	ft/s	gal/min	gal
9/4/2014 14:04	3.839	385.2048	0
9/4/2014 14:04	3.837	385.0191	63.865
9/4/2014 14:04	3.747	375.9596	127.181
9/4/2014 14:04	3.792	380.511	191.889
9/4/2014 14:04	3.806	381.9143	255.287
9/4/2014 14:04	3.846	385.9086	320.569
9/4/2014 14:05	3.876	388.9613	381.529
9/4/2014 14:05	3.84	385.3529	446.115
9/4/2014 14:05	3.847	386.0012	510.747
9/4/2014 14:05	3.816	382.8764	575.923
9/4/2014 14:05	3.797	380.9652	638.878
9/4/2014 14:05	3.842	385.5679	704.224
9/4/2014 14:06	3.842	385.541	765.527
9/4/2014 14:06	3.848	386.1593	829.494
9/4/2014 14:06	3.829	384.236	893.944
9/4/2014 14:06	3.764	377.6688	959.114
9/4/2014 14:06	3.885	389.8528	1023.432
9/4/2014 14:06	3.824	383.672	1085.492
9/4/2014 14:07	3.9	391.317	1151.026
9/4/2014 14:07	3.856	386.9676	1215.413
9/4/2014 14:07	3.827	384.0693	1280.632
9/4/2014 14:07	3.837	384.9915	1344.032
9/4/2014 14:07	3.839	385.2531	1407.426
9/4/2014 14:07	3.88	389.3492	1469.47
9/4/2014 14:08	3.849	386.2192	1535.6
9/4/2014 14:08	3.861	387.4149	1599.854
9/4/2014 14:08	3.835	384.8066	1665.557
9/4/2014 14:08	3.806	381.9473	1729.558
9/4/2014 14:08	3.842	385.5453	1795.374
9/4/2014 14:08	3.854	386.762	1855.623
9/4/2014 14:09	3.881	389.4162	1921.305
9/4/2014 14:09	3.831	384.3999	1985.748
9/4/2014 14:09	3.869	388.2798	2051.173
9/4/2014 14:09	3.868	388.0899	2116.327
9/4/2014 14:09	3.868	388.1728	2181.223
9/4/2014 14:09	3.855	386.7857	2242.883
9/4/2014 14:10	3.836	384.8911	2307.462
9/4/2014 14:10	3.831	384.4665	2371.593
9/4/2014 14:10	3.87	388.3391	2436.873
9/4/2014 14:10	3.819	383.2401	2501.874
9/4/2014 14:10	3.822	383.5699	2563.369
9/4/2014 14:10	3.929	394.2175	2629.817
9/4/2014 14:11	3.834	384.6967	2694.16
9/4/2014 14:11	3.841	385.4692	2758.121
9/4/2014 14:11	3.79	380.3283	2822.636

9/4/2014 14:11	3.903	391.6721	2886.71
9/4/2014 14:11	3.873	388.6018	2948.991
9/4/2014 14:11	3.792	380.5157	3014.297
9/4/2014 14:12	3.832	384.5594	3077.827
9/4/2014 14:12	3.918	393.1602	3143.082
9/4/2014 14:12	3.84	385.3319	3207.357
9/4/2014 14:12	3.81	382.3671	3271.197
9/4/2014 14:12	3.859	387.2808	3333.23
9/4/2014 14:12	3.738	375.0774	3397.623
9/4/2014 14:13	3.811	382.43	3461.157
9/4/2014 14:13	3.785	379.8159	3526.713
9/4/2014 14:13	3.784	379.7459	3590.386
9/4/2014 14:13	3.787	380.0135	3651.335
9/4/2014 14:13	3.713	372.6083	3714.34
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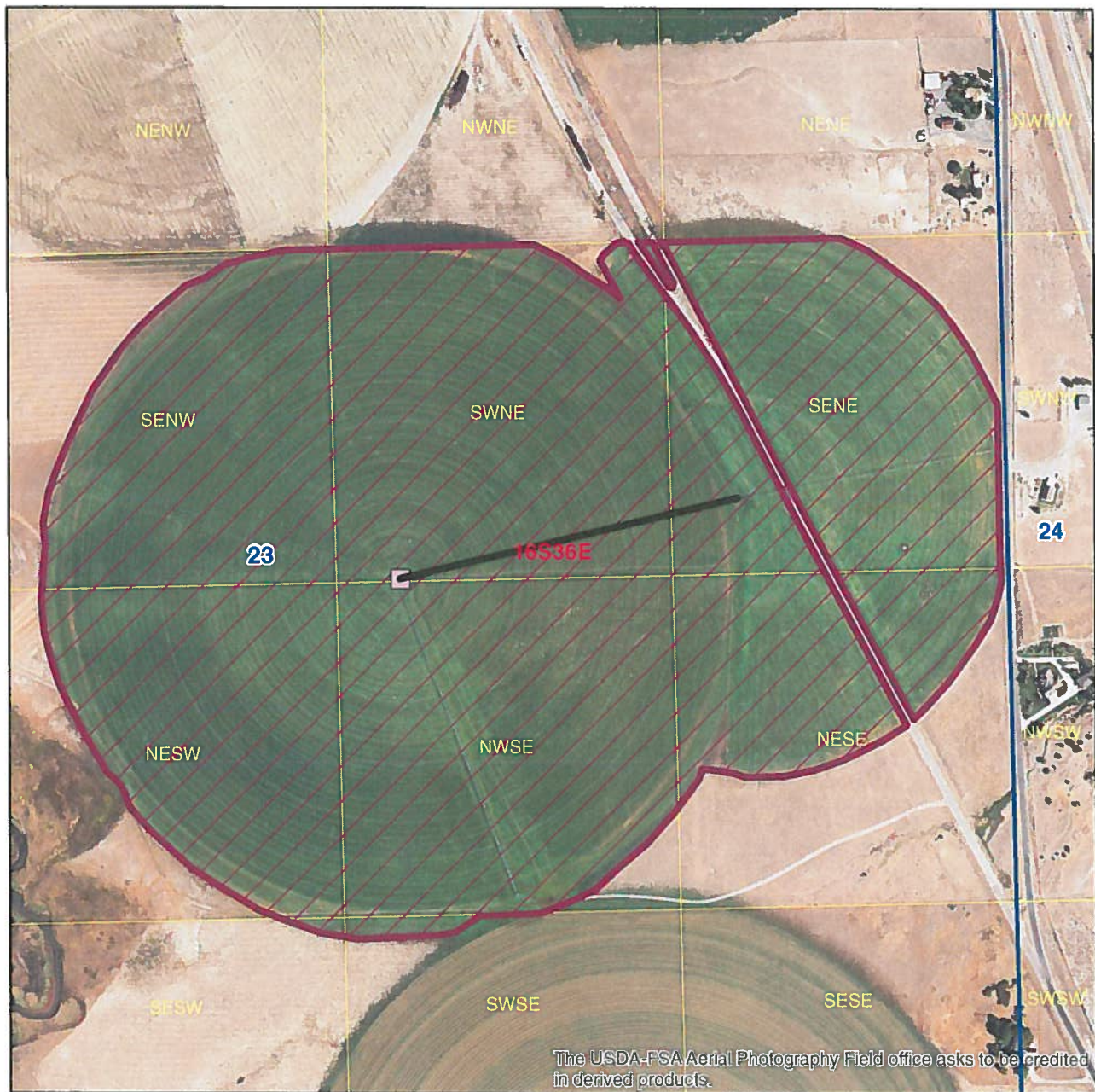
15-7372 POD and POU



2013 Imagery



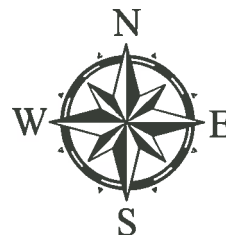
15-7372 Mainline, POD, and POU Locations



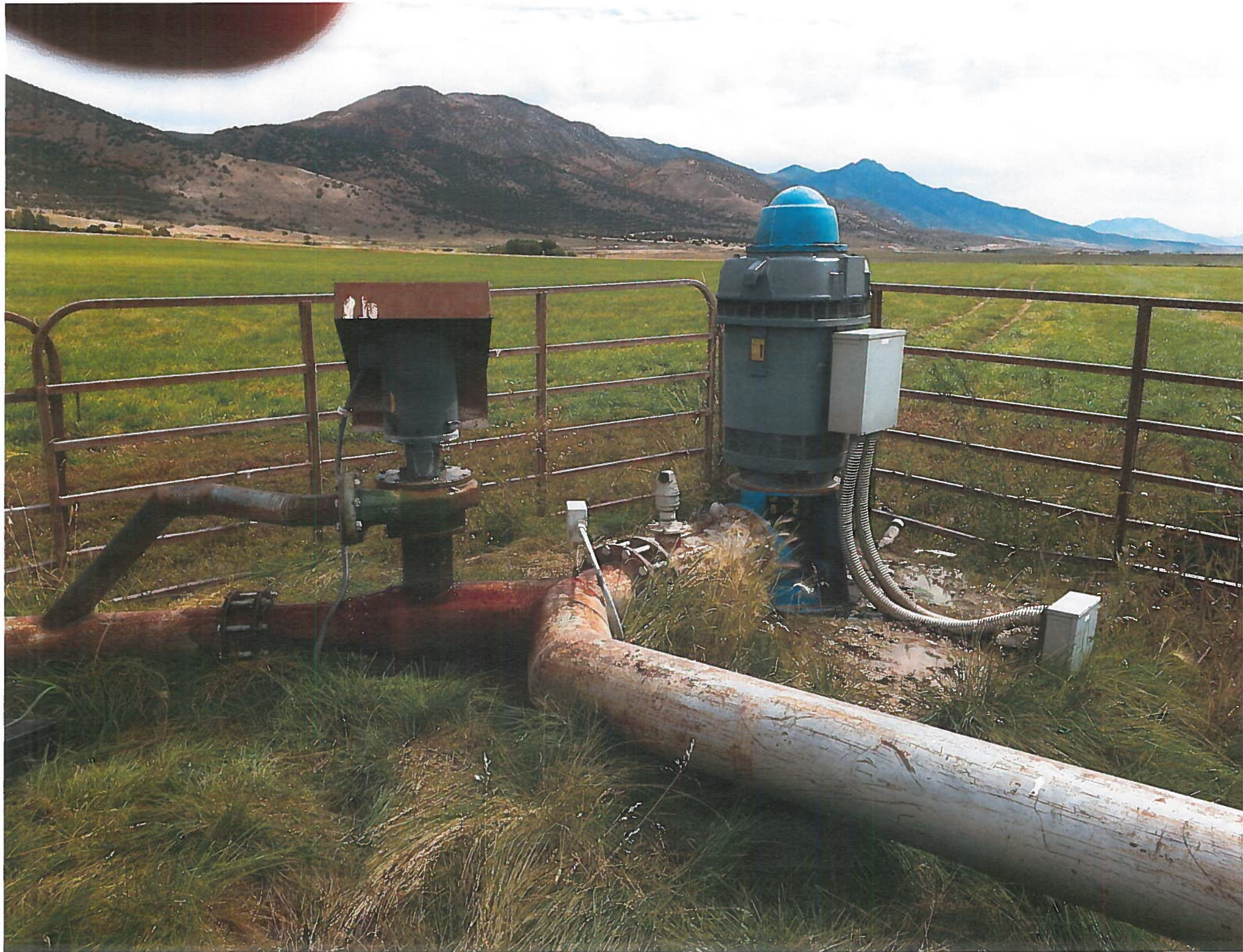
2013 Imagery

Legend

- Mainline
- ◻ Water Right POD
- ▨ Water Right POU
- ▭ Township/Range
- ▭ Sections
- ▭ QQ



0 0.075 0.15 0.3 Miles



IDAHO DEPARTMENT OF WATER RESOURCES
Proof Report

2/11/2015

Water Permit 15-7372

Owner Type **Name and Address**
Current Owner NEIL SCHOENENBERGER
11577 S OLD HWY 191
MALAD, ID 83252
801 725 5596

Priority Date: 11/21/2013

Status: Active

Source **Tributary**
GROUND WATER

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	04/01	10/31	3.930 CFS	
	<u>Total Diversion</u>		3.930 CFS	

Source and Point(s) of Diversion

GROUND WATER SWNE Sec. 23, Twp 16S, Rge 36E, ONEIDA County

Place Of Use

IRRIGATION within ONEIDA County

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16S	36E	23			40.0	35.0				26.5	38.0				20.0	37.0			196.5

POU Total Acres: 196.5

Conditions of Approval:

1. 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 use power records to determine the amount of water diverted and shall annually report the information to the Department.
2. 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 place of use.

Comments:

1. cfritz 1/8/2014 POU
Updated Shape
2. cfritz 1/8/2014 POD
Updated Shape

Dates and Other Information

Permit Proof Due Date: 2/1/2015
Permit Proof Made Date: 12/4/2014

IDAHO DEPARTMENT OF WATER RESOURCES
Proof Report

2/11/2015

Permit Approved Date: 1/17/2014
Generic Max Rate Per Acre: 0.020
Generic Max Volume Per Acre: 3.5
Mitigation Plan: False

Combined Use Limits

N/A

Verification Log

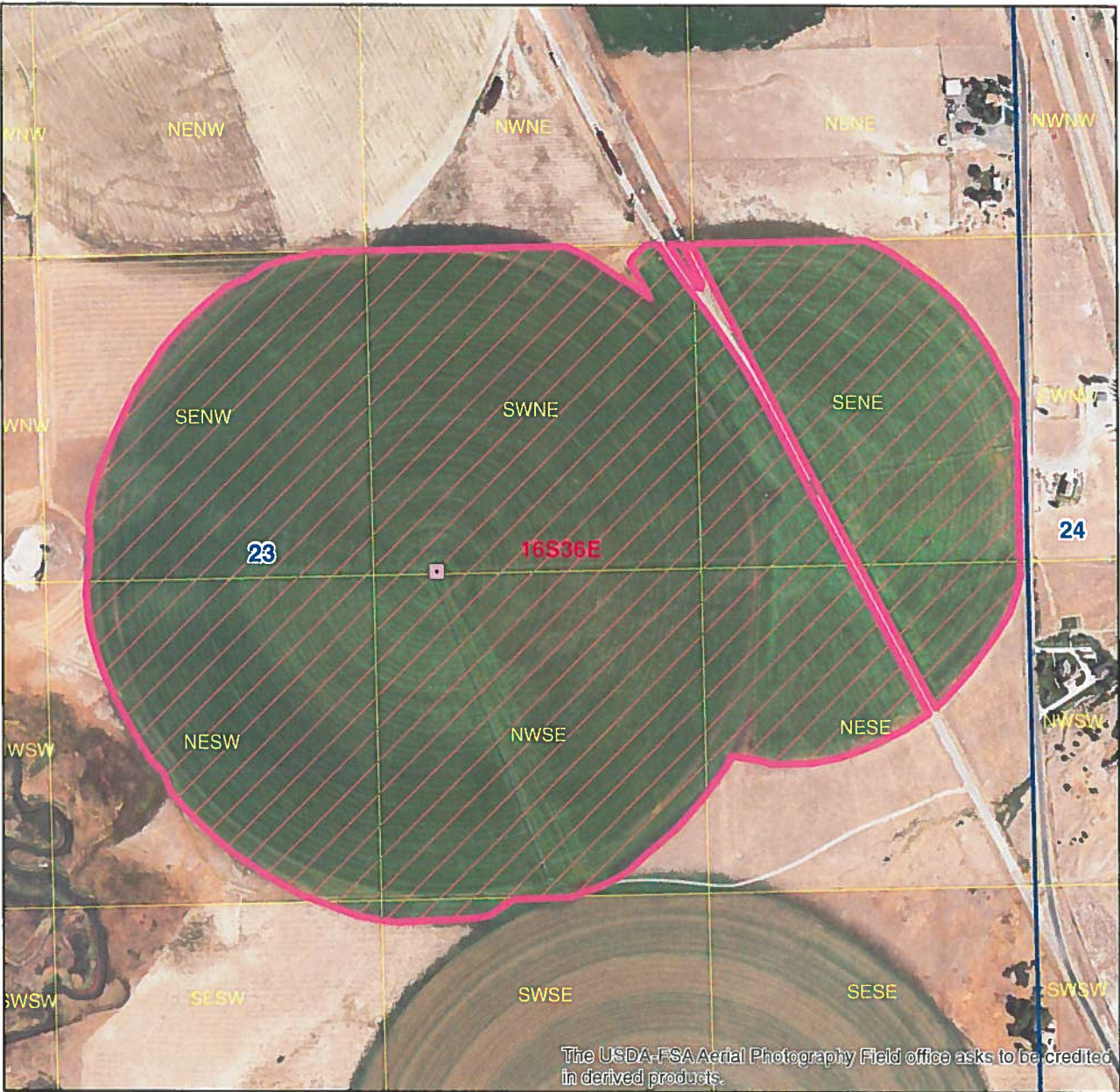
SubCase:

N/A

Water Supply Bank:

N/A

15-7372 Developed Point of Diversion and Place of Use



2013 Imagery

