

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7393
Exam Date: August 9, 2022

1. Current Owner:
JUSTIN EDWARDS 3825 N 3900 W MALAD ID 83252 AND
LINDSEY EDWARDS 3825 N 3900 W MALAD ID 83252
2. Accompanied by: Justin Edwards

3. **SOURCE:**
GROUND WATER

Method of Determination: Visual confirmation.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

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

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
GROUND WATER L2 (NW¼ NE¼), Sec. 1, Twp 14S, Rge 35E, B.M. ONEIDA County

Method of Determination: ArcMap aerial photography

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
14S	35E	1		25.0 L2	34.0		18.0 L3	32.5 L4	32.5	25.0									167.0
14S	35E	2	31.5 L1			31.5													63.0

Total Acres: 230.0

Method of Determination: ArcMap aerial photography.

3. Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

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

 X Photo of Diversion and System Attached

4. Pump information:

Submersed pump with metal tag no. D0068218.

D. FLOW MEASUREMENTS

Measured a maximum diversion rate of 954.99 gpm with a Panametric portable flow meter.

2. Measurements:

See attached spreadsheet for all readings.

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Max observed rate was 954.99 gpm, or 2.13 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 230 \text{ acres} \times 3.5 \text{ acre feet/acre} = 805 \text{ AF.}$$

$$V_{D.R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.13 \text{ cfs} \times 1.9835 \times 214 \text{ days} = 903.2 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R} \text{ and } V_{D.R} = 805 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A.

G. NARRATIVE/REMARKS/COMMENTS

One pump to two pivots.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	2.13 CFS	805.0 AF

Totals: 2.13 CFS 805.0 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

I. AUTHENTICATION Cooper Fritz -Field Examiner's Name Cooper Fritz Date 3/17/22

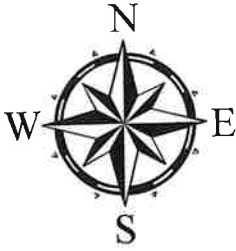
Reviewer _____ Date _____

15-7393 Point of Diversion and Place of Use at Licensing

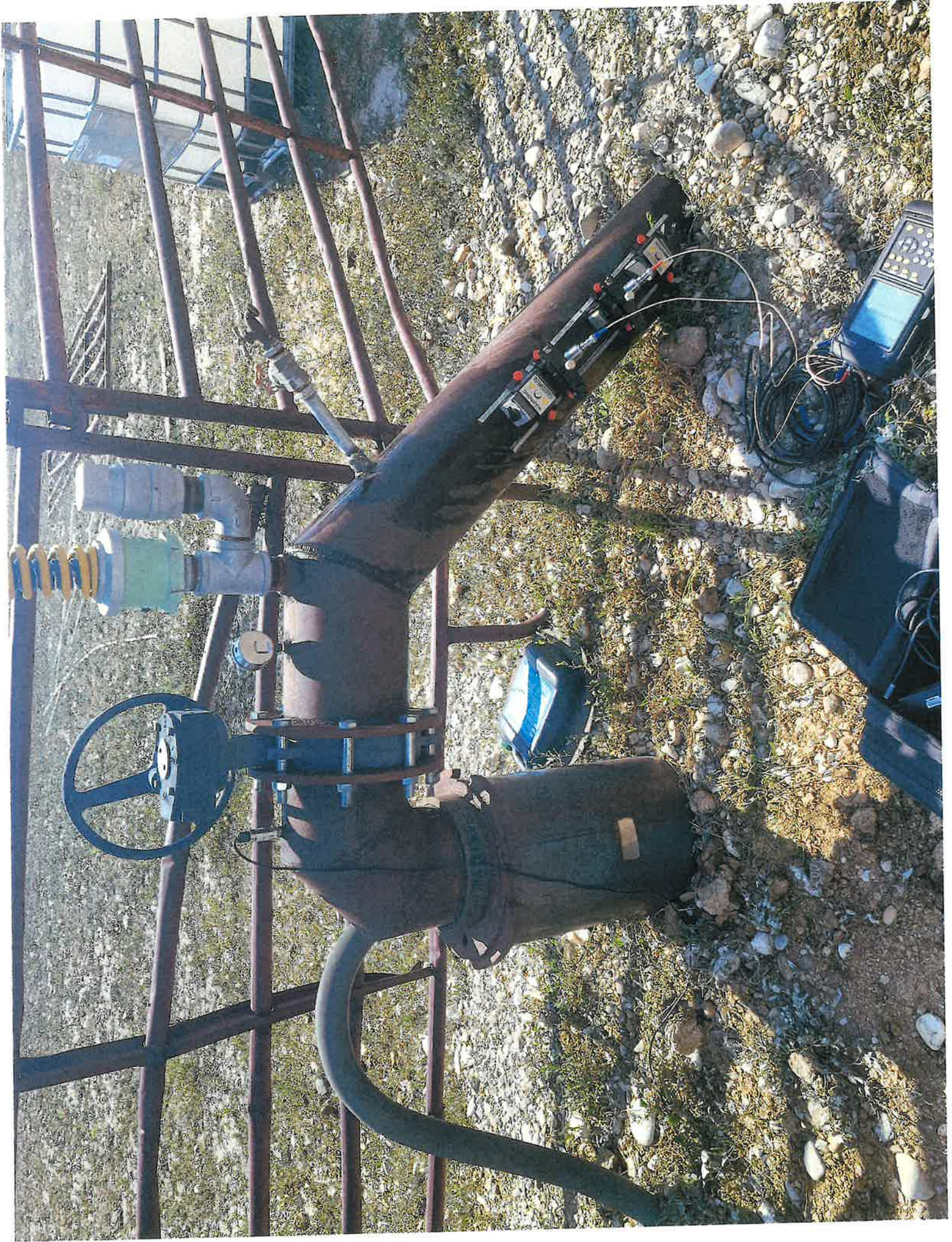


Legend

- Point of Diversion
- Water Right POU
- Township/Range
- Sections
- QQ



The USDA-FSA Aerial Photography Field office asks to be credited in derived products.



Date/Time	300394 Ch 1 Volume gal/m	Error	300394 Ch 1 Velocity ft/s	Error	300394 Ch 1 Fwd Totalizer gal	Error
1/30/2021 10:15	943.9523305		5.39694834	0	199287.2692	0
1/30/2021 10:15	823.7215222		4.709541317	0	199412.5734	0
1/30/2021 10:16	836.3567888		4.781782127	0	199531.733	0
1/30/2021 10:16	878.7008287		5.023879729	0	199707.0902	0
1/30/2021 10:16	879.84481		5.030420322	0	199872.0819	0
1/30/2021 10:16	890.0677857		5.088869112	0	200000.953	0
1/30/2021 10:16	940.0213698		5.374473485	0	200136.754	0
1/30/2021 10:16	776.2146172		4.437925575	0	200300.8295	0
1/30/2021 10:17	812.980063		4.648128152	0	200418.239	0
1/30/2021 10:17	841.8206235		4.813021028	0	200586.9628	0
1/30/2021 10:17	944.988937		5.402875029	0	200724.1536	0
1/30/2021 10:17	954.9835275		5.46001805	0	200901.6533	0
1/30/2021 10:17	951.9198804		5.44250197	0	201039.6887	0
1/30/2021 10:17	883.7785238		5.052910918	0	201212.9728	0
1/30/2021 10:18	932.7281287		5.332775144	0	201347.0693	0
1/30/2021 10:18	938.8317343		5.367671869	0	201536.0967	0
1/30/2021 10:18	930.2257835		5.318468248	0	201670.9815	0
1/30/2021 10:18	937.8796631		5.362228501	0	201806.2312	0
1/30/2021 10:18	943.054973		5.391817792	0	201981.7211	0
1/30/2021 10:18	938.0360032		5.36312236	0	202117.2143	0
1/30/2021 10:19	938.7970162		5.367473372	0	202293.37	0
1/30/2021 10:19	939.0416522		5.368872052	0	202430.091	0
1/30/2021 10:19	934.6054563		5.343508568	0	202618.4893	0
1/30/2021 10:19	938.5793582		5.366228934	0	202753.3301	0
1/30/2021 10:19	933.7267826		5.338484843	0	202928.1784	0
1/30/2021 10:19	935.1855985		5.34682547	0	203064.7245	0
1/30/2021 10:20	939.5116178		5.371559031	0	203238.8075	0
1/30/2021 10:20	931.3604826		5.324955771	0	203372.6115	0
1/30/2021 10:20	918.5825625		5.251899355	0	203560.2568	0
1/30/2021 10:20	917.7908473		5.247372806	0	203691.1354	0
1/30/2021 10:20	908.4547674		5.193994749	0	203821.9393	0
1/30/2021 10:20	939.9771547		5.374220689	0	203995.619	0
1/30/2021 10:21	934.4583511		5.342667509	0	204172.4544	0

1/30/2021 10:21	900.1467288	0	5.146494411	0	204305.5617	0
1/30/2021 10:21	921.7887536	0	5.270230416	0	204437.1502	0
1/30/2021 10:21	945.0840896	0	5.403419054	0	204625.2252	0
1/30/2021 10:21	938.0869224	0	5.363413485	0	204761.1194	0
1/30/2021 10:21	938.3003499	0	5.364633734	0	204936.4808	0
1/30/2021 10:22	906.7306438	0	5.184137254	0	205109.1596	0
1/30/2021 10:22	925.0934992	0	5.289124952	0	205244.1484	0
1/30/2021 10:22	922.9012619	0	5.276591065	0	205378.6982	0
1/30/2021 10:22	924.1829652	0	5.28391907	0	205510.987	0
1/30/2021 10:22	921.9172503	0	5.270965082	0	205698.0406	0
1/30/2021 10:22	921.4912233	0	5.268529318	0	205870.7671	0
1/30/2021 10:23	926.322115	0	5.296149434	0	206005.5451	0
1/30/2021 10:23	922.29983	0	5.273152441	0	206178.4365	0
1/30/2021 10:23	923.5691953	0	5.280409904	0	206310.7654	0
1/30/2021 10:23	924.6869058	0	5.286800297	0	206443.3102	0
1/30/2021 10:23	906.600856	0	5.183395206	0	206629.2205	0
1/30/2021 10:23	795.7787845	0	4.549781648	0	206780.2515	0
1/30/2021 10:24	795.7787845	0	4.549781648	0	206889.0987	0
1/30/2021 10:24	799.3522619	0	4.57021263	0	207031.3299	0
1/30/2021 10:24	799.3522619	Velocity/R:	4.57021263	Velocity/R:	207161.9479	Velocity/R:
1/30/2021 10:24	819.3276421	0	4.684419769	0	207317.1461	0
1/30/2021 10:24	829.9941385	0	4.745404342	0	207435.7835	0
1/30/2021 10:24	836.9423364	0	4.785129934	0	207558.1645	0
1/30/2021 10:25	846.4493087	0	4.83948505	0	207716.0965	0
1/30/2021 10:25	846.4493087	0	4.83948505	0	207838.0719	0
1/30/2021 10:25	922.5050871	0	5.274325977	0	208012.7605	0
1/30/2021 10:25	918.7485683	0	5.252848476	0	208148.212	0
1/30/2021 10:25	915.8212378	0	5.236111771	0	208333.6944	0
1/30/2021 10:25	919.5476312	0	5.257417034	0	208467.8784	0
1/30/2021 10:26	919.9952859	0	5.259976452	0	208635.9067	0
1/30/2021 10:26	916.4456312	0	5.239681674	0	208769.397	0
1/30/2021 10:26	630.3633795	0	3.604036438	0	208923.7578	0