

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-13977
Exam Date: 07/15/2019

1. Current Owner:
OXARANGO RANCH LLC PO BOX 55 EMMETT ID 83617-0055
2. Accompanied by:
Phone No: Robert Oxarango
Address: Same as above
Relationship to permit Holder:

3. **SOURCE:**
GROUND WATER

Method of Determination: Field observation

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-2371	Unnamed Stream	Irrigation	Decreed
65-3181	Lake Fork	Irrigation	Decreed
65-7417	Unnamed Stream	Irrigation	Decreed

Comments: Owner has 3 surface water rights through which he flood irrigates. This right provides supplemental groundwater irrigation through a pivot sprinkler system.

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

Water Right No.	Source	Purpose of Use	Basis
N/A	N/A	N/A	N/A

Comments: None

C. DIVERSION AND DELIVERY SYSTEM

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

GROUND WATER SW¼ SE¼, Sec. 3, Twp 16N, Rge 03E, B.M. VALLEY County

Method of Determination: Garmin Handheld GPS

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					
16N	03E	3																	30.0	30.0	30.0	30.0	120.0

Total Acres: 120.0

Method of Determination: Field observation, aerial imagery, and ArcMap GIS tools.

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 or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0015868	Franklin	100	P800S10004	Grunfos Pump	10"

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Panametrics	Ultra-Sonic	GE	TransPort PT 878	10087	402	4/1/19

2. Measurements: Used the Panametrics to collect flow measurements during field exam.

E. FLOW CALCULATIONS

x Additional Computation Sheets Attached

Measured Method: Transducer, ultra-sonic

Measured Rate: Open Discharge System= 2.19 cfs; Pivot Sprinkler System=1.85 cfs

Permit Rate	1.60 cfs
B.U. Standard Allowance	2.40 cfs
Proof Fee (\$125.00)	1.01-2.00 cfs
Measured Rate	1.85 cfs
Recommended Rate	1.60 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (120 \text{ acres}) \times (3.0) = 360.0 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (1.60 \text{ cfs}) \times (200 \text{ days}) = 634.7 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 360.0 \text{ af}$$

2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

Field exam was conducted on July 15, 2019 by agent Justin Shearer. He was accompanied by permit holder Rob Oxarango of Oxarango Ranch, LLC. Ownership of the permit is in the name of Oxarango Ranch, LLC. Current Valley County taxlot data represents that Oxarango Ranch, LLC owns the land pertinent to the Place of Use (POU) in the NE¼ SE¼ and SE¼ SE¼. However, Oxarango Ranch leases the land pertinent to the POU and Point of Diversion (POD). Oxarango leases the land in the aforementioned QQ's, but because he is the one who has put the water to beneficial use I am recommending that the entirety of the permit be licensed in the Oxarango Ranch, LLC. If in the future the landowners would like their respective portions of the water right, they can file for ownership change.

Ground water comes from a well drilled in 2001. A well drillers report was found and the IDWR well ID tag on site matches. At the time of the exam a 100 hp Franklin Motor motor submersible Grunfos turbine pump were providing water to a Zimmatic pivot with 86 sprinklers and 1 cannon which then irrigated the 120 acres authorized under the permit. The system is also capable of bypassing the pivot and open discharging into a ditch for flood irrigation at the NE corner of the POU. Pump and motor specs were provided by Oxarango and are included in the file in the form of an email. Flow measurements were recorded using a GE Panametrics Ultra-Sonic measuring device. A straight length of pipe suitable for accurate flow

measurement was found in immediate proximity to the well. Two measurements were taken, one to the open discharge for flood irrigation, and another with the pivot running. The measured flow rates of 2.19 cfs and 1.85 cfs respectively were observed. Both measured rates are more than the permitted rate of 1.60 cfs. Oxarango stated during the exam that he preferentially uses the pivot sprinkler system over the flood irrigation system. Additionally, at the time of the exam, Oxarango had a measuring device installed. Furthermore, the observed rate of the measuring device corresponds to the measured rate of that taken by the Panametrics during the exam.

Overlap review found that Oxarango Ranch, LLC has 3 surface water rights for irrigation that cover the extent of the ranch property and therefore also cover the same 120 acres as water right permit 65-13977. Water right 65-13977 should therefore remain conditioned as supplemental groundwater. POD analysis found that no overlap exists. At the time of exam, the pivot system demonstrated it was capable of irrigating all 120 acres. As a result, and backed by the measured rate during the exam, I am recommending a license for the full permitted rate of 1.60 cfs.

Conditions 046 and 26A were removed as per department licensing standards. Condition 121 was updated to 103. Inactive condition 104 was updated to condition 105. Condition WB7 was added to account for supplemental irrigation. R64 was revised to R58 to coincide with current headgate requirement. Condition 943 replaced conditions 065 and 105.

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	04/15 to 10/31	1.60 CFS	360.0 AF
Totals:		1.60 CFS	360.0 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 Justin Shearer - Water Resource Agent, Senior

Field Examiner's Name *Justin Shearer* Date *9/20/19 JS*
 Reviewer *Patricia Willy* Date *9-20-2019*

Photo/Sprinkler System Measurement														
Date/Time	300397 Ch 1 Velocity ft/s	Error	300397 Ch 1 Fwd Totalizer ft³	Error	300397 Ch 1 Volume ft³/s	Error	300397 Ch 1 Soundspeed f/s	Error	300397 Ch 1 Sig Quality Up db	Error	300397 Ch 1 Volume gal/m	Error	300397 Ch 1 Delta T ns	Error
7/15/2019 13:48	3.33	0	87772.738	0	1.799	0	4691.5	0	2936	0	807.4	0	229.36	0
7/15/2019 13:49	3.39	0	87883.01	0	1.833	0	4691.6	0	2921	0	822.8	0	230.72	0
7/15/2019 13:50	3.35	0	87992.788	0	1.812	0	4691.5	0	2921	0	813.1	0	236.33	0
7/15/2019 13:51	3.53	0	88101.408	0	1.908	0	4691.7	0	2915	0	856.4	0	218.91	0
7/15/2019 13:52	3.39	0	88211.66	0	1.829	0	4691.7	0	2936	0	821.1	0	241.88	0
7/15/2019 13:53	3.51	0	88319.152	0	1.898	0	4691.7	0	2966	0	851.7	0	237.5	0
7/15/2019 13:54	3.47	0	88437.14	0	1.873	0	4691.7	0	2958	0	840.8	0	233.07	0
7/15/2019 13:55	3.4	0	88548.597	0	1.837	0	4691.7	0	2936	0	824.6	0	214.96	0
7/15/2019 13:56	3.39	0	88652.258	0	1.834	0	4691.7	0	2958	0	823	0	231.02	0
7/15/2019 13:57	3.42	0	88770.399	0	1.848	0	4691.7	0	2982	0	829.4	0	253.49	0

Avg Rate 1.8471

Avg Rate

Date/Time	300397 Ch 1 Velocity ft/s	Error	300397 Ch 1 Fwd Totalizer ft³	Error	300397 Ch 1 Volume ft³/s	Error	300397 Ch 1 Soundspeed f/s f/s	Error	300397 Ch 1 Sig Quality Up db	Error	300397 Ch 1 Volume gal/m	Error	300397 Ch 1 Delta T ns	Error
7/15/2019 13:14	4.22	0	83641.612	0	2.281	0	4703.2	0	2932	0	1023.9	0	267.79	0
7/15/2019 13:15	4.13	0	83778.132	0	2.233	0	4703.1	0	2791	0	1002.1	0	282.75	0
7/15/2019 13:16	4.08	0	83911.676	0	2.204	0	4703.2	0	2839	0	989.2	0	266.28	0
7/15/2019 13:17	4.07	0	84039.568	0	2.199	0	4703.1	0	2751	0	987	0	282.05	0
7/15/2019 13:18	4.06	0	84174.124	0	2.192	0	4703	0	2885	0	983.9	0	279.48	0
7/15/2019 13:19	4	0	84306.597	0	2.159	0	4703.1	0	2789	0	969	0	246.56	0
7/15/2019 13:20	4	0	84431.279	0	2.162	0	4703	0	2775	0	970.3	0	275.83	0
7/15/2019 13:21	3.98	0	84562.561	0	2.148	0	4703	0	2786	0	964.2	0	271.47	0
7/15/2019 13:22	3.97	0	84691.062	0	2.142	0	4702.9	0	2755	0	961.5	0	260.54	0
7/15/2019 13:23	3.94	0	84820.791	0	2.131	0	4702.7	0	2809	0	956.3	0	264.67	0

Avg Rate 2.1851

Shearer, Justin

From: Robert Oxarango <oxlivestock@gmail.com>
Sent: Tuesday, August 20, 2019 9:37 AM
To: Shearer, Justin
Subject: RE: Field Exam for Water Permit 65-13977

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Justin,

I answered your questions below with the information I have on file.

Let me know if you have any questions.

Thanks,

Robert Oxarango

Van Deusen Ranch, Inc.
V Dot Cattle Co., LLLP
Oxarango Livestock, Inc.
208-431-0777

From: Shearer, Justin <Justin.Shearer@idwr.idaho.gov>
Sent: Monday, August 19, 2019 3:27 PM
To: oxlivestock@gmail.com
Subject: Field Exam for Water Permit 65-13977

Good afternoon Robert,

I am in the process of writing up my field exam report so that I can make a water right licensing recommendation. During the field exam we had discussed you emailing me some additional information that would aid me in determining my recommendation. So, I am looking to gather more details on your system such as:

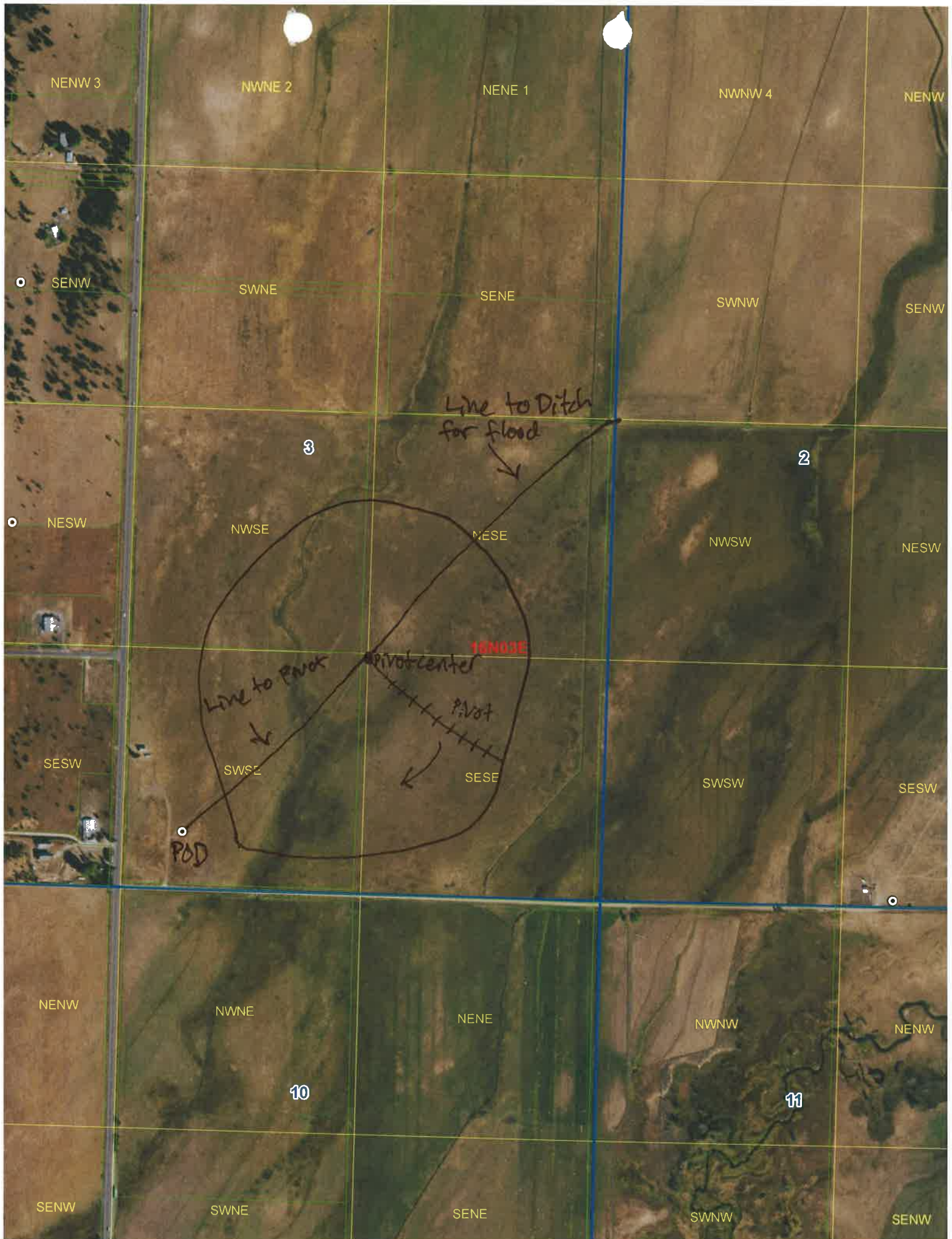
- HP of motor/pump **100 HP, 800GPM**
- Motor make **Franklin**
- Motor serial no. **P800S10004**
- Pump make **Grunfos Pump**
- Sprinkler make and model info for the 86 sprinklers and 1 cannon counted on your pivot during the exam
Zimmatic Pivot 1300 800 gpm @ 50 psi (P.O. 38355)

If you could please provide me with as much of this information as possible at your earliest convenience it would be greatly appreciated and will aid me in making the most accurate licensing recommendation possible.

Feel free to contact me with any questions that you might have.

Thanks and regards,

Justin Shearer



NENW 3

NWNE 2

NENE 1

NWNW 4

NENW

SENW

SWNE

SENE

SWNW

SENW

3

Line to Ditch for flood

2

NESW

NWSE

NESE

NWSW

NESW

16N03E

Pivot center

Line to Pivot

Pivot

SESW

SWSE

SESE

SWSW

SESW

POD

NENW

NWNE

NENE

NWNW

NENW

10

11

SENW

SWNE

SENE

SWNW

SENW



Pic of Well ID Tag D0015868 at POD.



Pic of POD showing well, 10" discharge pipe, straight section for measurement, and measuring device.



Pic of 10" diameter pipe before it heads underground and across ranch property to pivot.



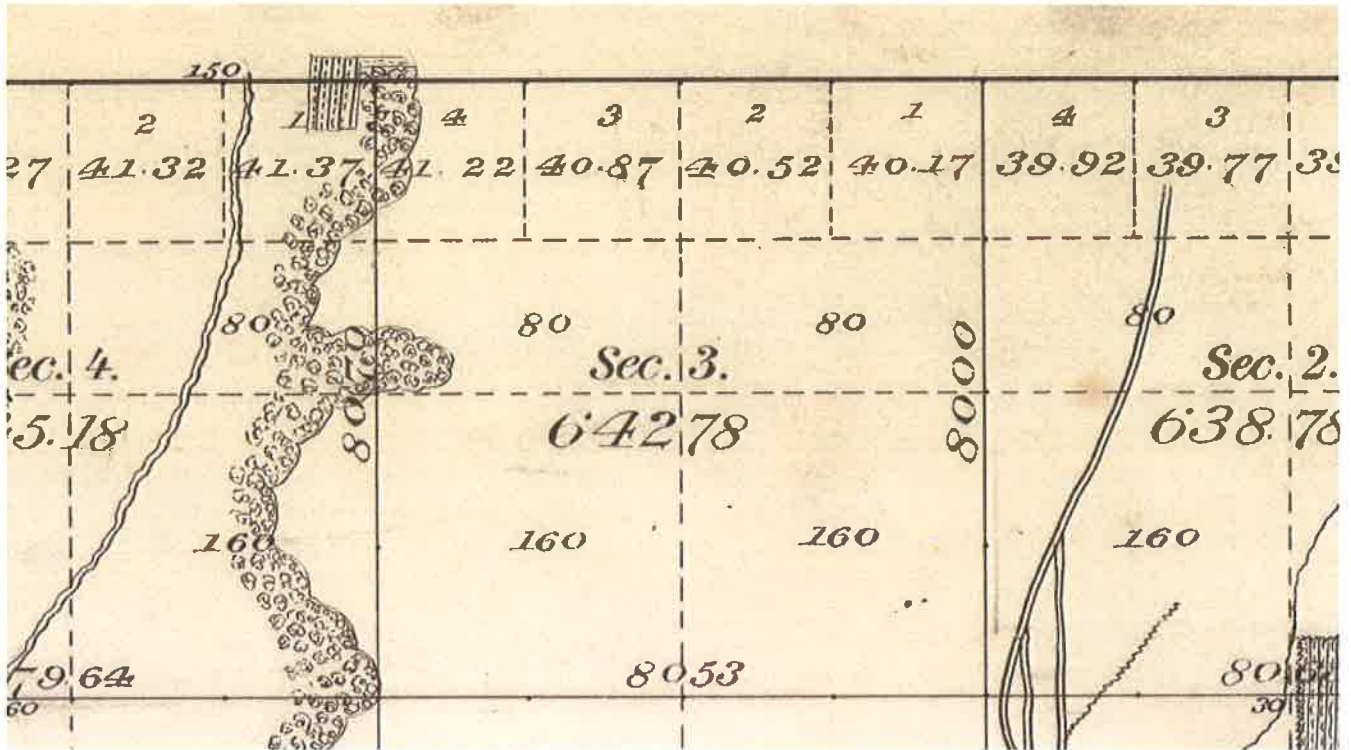
Pic of POU with pivot looking to the east.



Pic of pivot showing sprinklers and 1 cannon.



Pic of installed measuring device reading out at 800-900 gpm. (830 gpm would correspond with 1.85 cfs observed measurement)



T16N R03E Sec 03

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

769016

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: _____ Long: _____

1. WELL TAG NO. D 0015868
DRILLING PERMIT NO. _____
Other IDWR No. 65-13977

11. WELL TESTS:

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
600	60'	78	9 hrs.
1,000 + -		175	4 hrs

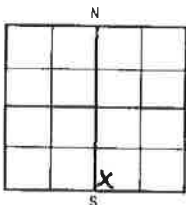
Water Temp. 50° Bottom hole temp. _____
Water Quality test or comments: 3/4 MIL IRON

2. OWNER:

Name ISLAND CAPITOL LLC
Address 1409 E. 1ST STREET
City MERIDIAN State Id Zip 83642

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 16 North or South
Rge. 3 East or West
Sec. 3 SW 1/4 SW 1/4 SE 1/4
Gov't Lot _____ County VALLEY
Lat: _____ Long: _____

Address of Well Site Hwy 55 +
WALLACE LANE City DONNELLY
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

- Domestic Municipal Monitor Irrigation
 Thermal Injection Other

5. TYPE OF WORK check all that apply (Replacement etc.)

- New Well Modify Abandonment Other _____

6. DRILL METHOD

- Air Rotary Cable Mud Rotary Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From To	Sacks or Pounds		
BENTONITE GROUT	40 167	25 SACKS	16" TEMP SURFACE CASING. GROUT PUMP FROM BOTTOM UP	
BENTONITE chips	0 40	92 SACKS		
8-12 COLORADO SAND	1 185	3000 LBS.		

Was drive shoe used? Y N Shoe Depth(s) _____
Was drive shoe seal tested? Y N How? _____

8. CASING/LINER:

Diameter	From To	Gauge	Material	Casing	Liner	Welded	Threaded
12	+2 167	.250	STEEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	+1 180	.250	STEEL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	200 211	.250	STEEL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	221 230	.250	STEEL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	236 240	.250	STEEL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations _____ Method _____
Screens Screen Type JOHNSON STAINLESS

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
180	200	.030		10	STAINLESS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
211	221	.030		10	STAINLESS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
230	236	.030		10	STAINLESS	<input type="checkbox"/>	<input checked="" type="checkbox"/>

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
16	0	2	TOP SOIL		
16	2	7	FINE BROWN SAND		
16	7	15	BROWN CLAY		
16	15	45	BROWN SAND W/CLAY STREAKS		
16	45	65	BLUE CLAY W/SAND STREAKS		
16	65	75	GRAY SAND		
16	75	87	BLUE CLAY W/SAND STREAKS		
16	87	99	GRAY SAND W/CLAY STREAKS		
16	99	130	BLUE CLAY W/SAND STREAKS		
16	130	140	GRAY SAND W/CLAY STREAKS		
16	140	167	BLUE CLAY W/SAND STREAKS		
12	167	178	BLUE CLAY W/SAND STREAKS		
12	178	198	GRAY SAND W/CLAY STREAKS	X	
12	198	209	BLUE CLAY W/SAND STREAKS		
12	209	219	GRAY SAND W/CLAY STREAKS	X	
12	219	228	BLUE CLAY W/SAND STREAKS		
12	228	234	GRAY SAND		X
12	234	240	BLUE CLAY W/SAND STREAKS		
6	240	244	BLUE CLAY W/SAND STREAKS		
6	244	256	GRAY SAND W/CLAY STREAKS		
6	256	321	BLUE CLAY W/SAND STREAKS		
6	321	394	GRAY SAND W/CLAY STREAKS		

4' cement plug placed in bottom tail pipe

RECEIVED

RECEIVED

AUG 15 2001

AUG 02 2001

Department of Water Resources

WATER RESOURCES
WESTERN REGION

Completed Depth 236 (Measurable)
Date: Started 6-11-01 Completed 7-21-01

13. DRILLER'S CERTIFICATION

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

Company Name GESTRIN Well Drilling Firm No. 408

Firm Official Robert W. Meston Date 7-29-01

and

Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

18 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: FLANGE SEAL

16N03E3
NESE, NWSE, SWSE, SESE

Process	Basin Sequence	Owner	Source	POD/ POU	NESE	NWSE	SWSE	SESE	Total Acres
Water Permit	65-13977	ISLAND CAPITOL LLC	GROUND WATER	POD	X				0
Water Right	65-8482	ISLAND CAPITOL LLC	GROUND WATER	POD	X				0
Water Right	65-11326	MAHALA DITCH CO	SPRINGS	POU X	X				0
Water Permit	65-13977	ISLAND CAPITOL LLC	GROUND WATER	POU	30.0	30.0	30.0	30.0	120
Water Right	65-2371	ISLAND CAPITOL LLC	UNNAMED STREAM	POU	40.0	39.0	38.0	39.0	156
Water Right	65-3181	ISLAND CAPITOL LLC	LAKE FORK	POU	40.0	39.0	38.0	39.0	156
Water Right	65-7417	ISLAND CAPITOL LLC	UNNAMED STREAM	POU	40.0	40.0	38.0	39.0	157
Water Right	65-8482	ISLAND CAPITOL LLC	GROUND WATER	POU		X			0



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 W Airport Way • Boise ID 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348

Website: idwr.idaho.gov • Email: westerninfo@idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

April 29, 2019

COPY

OXARANGO RANCH LLC
PO BOX 55
EMMETT, ID 83617-0055

RE: Scheduling Field Exam for Water Right Permit No. 65-13977

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **1.60 cfs** from **GROUNDWATER** for **IRRIGATION** use. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Justin Shearer', is written over a light blue horizontal line.

Justin Shearer
Water Resource Agent, Sr.

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map

State of Idaho
Department of Water Resources
Water Right License
Water Right No. 65-13977

- conditions
- memo notes
- print on sign paper.
thanks!

Priority: October 20, 2000 ✓

Maximum Diversion Rate: 1.60 CFS ✓
Maximum Diversion Volume: 360.0 AF ✓

It is hereby certified that:

OXARANGO RANCH LLC ✓ PO BOX 55 ✓ EMMETT ID 83617-0055

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated October 20, 2000 ✓, and has submitted Proof of Beneficial Use on October 19, 2004 ✓. An examination confirms water is diverted from:

Source : GROUND WATER ✓

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION ✓	04/15 to 10/31 ✓	1.60 CFS ✓	360.0 AF ✓

Location of Point(s) of Diversion

GROUND WATER SW¼ SW¼ SE¼, Sec. 3, Twp 16N, Rge 03E, B.M. VALLEY County

SPRING ONLY

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					
16N	03E	3																	30.0	30.0	30.0	30.0	120.0

Total Acres: 120.0 ✓

Conditions of Approval

SUPPLEMENTAL
GETS:
✓ 943
WB7
R58

- 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.
- This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the place of use.
- The right holder shall make full beneficial use of all surface water available to the right holder for irrigation of lands within the authorized place of use for this right. The right holder may divert ground water under this right to irrigate land with appurtenant surface water rights when the surface water supply is not reasonably sufficient to irrigate the place of use for this water right or is not available due to drought, curtailment by priority, or the seasonal startup and shutoff or maintenance schedule for canal company deliveries. The right holder shall not divert ground water for irrigation purposes under this right if use of the surface water supply is intentionally discontinued or reduced (for example abandoned, forfeited, sold, disallowed by court decree, or leased to the Water Supply Bank), or is not deliverable due to non-payment of annual assessments, without an approved transfer pursuant to Idaho Code § 42-222 or other Department approval.
- When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of