

AMENDED

RECEIVED
OCT 23 2021
Department of Water Resources
Eastern Region

Form 219 07/11

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATION

Permit No. 22-7648

1. Owner See Item E. Narrative on page 3.

Phone No. _____

Current address _____

2. Examiner's name Ernest M. Carlsen, field exam, David R. Tuthill, Jr., review EXAM DATE 22 June 2021

3. Accompanied by Judd Crapo

Email _____

Address 2900 E 399 N, Saint Anthony ID

Relationship to permit holder Co-permit holder

Phone No. (208) 313-6311

4. Source Groundwater

tributary to Sinks

B. OVERLAP REVIEW

1. Other water rights with the same place of use 22-14216 thru 22-14223

2. Other water rights with the same source and point of diversion 22-14216 thru 22-14223, 22-2294, 22-7057

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
		NE	SW	NE	24	7N	41E	Fremont	Field Exam, IDWR GIS Mapping
		NE	SW	SE	24	7N	41E	Fremont	Field Exam, IDWR GIS Mapping
		NE	SW	SW	19	7N	42E	Fremont	Field Exam, IDWR GIS Mapping

2. Place(s) of Use: Method of determination Field Exam, QGIS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
7N	41E	23	2.5																2.5
7N	41E	24	36	35	40	39	40	40	10	27	26	6.7		6.7	36	40	39	40	454.7
7N	41E	25	40	22	3	36													101
7N	42E	19									35	32	38	40					145
7N	42E	30					37	38	18	1									94
																			797.2

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Address 2900 E 399 N, Saint Anthony ID
Relationship to permit holder Co-permit holder Phone No. (208) 313-6311
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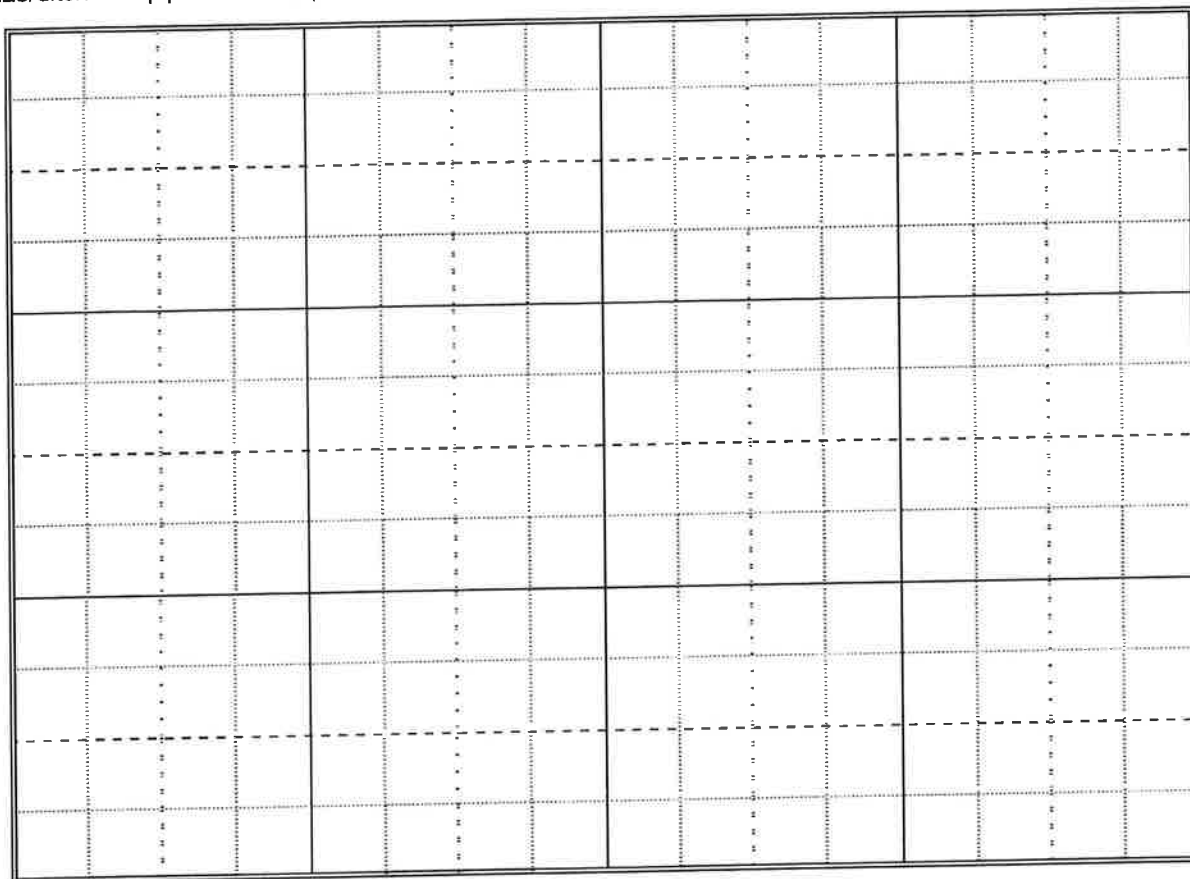
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																			797.2

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☒ 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
Well #4	G.E.	200		Layne & Bowler	10" discharge
Well #5	G.E.	400	C9538-153	Layne & Bowler	10" discharge (continued in E)
Well #8	G.E.	200	86691	Johnston	8" discharge

*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
Inline flow meter Well #4	magmeter	Seametric	AG3000	42019001149	10"	
Inline flow meter Well #5	magmeter	Seametric	AG3000	42019001150	10"	continued in E

2. **Measurements:** _____

Conducted the discharge measurements by timing how long it took to divert 0.01 AF. At wells #4 and #5, recorded the time required to pump a total of 0.03 AF in consecutive intervals of 0.01 AF. At well #8, recorded the time it took to divert a total of 0.02 AF in intervals of 0.01 AF.
 Rights 22-14216 thru 22-14223 total 5.75 CFS and 2,442.3 AFA

AMENDED

Commentary on Licensing Field Exam for 22-7648

On June 22, 2021, Ernest Carlsen met with Judd Crapo at Riverside Farms to conduct a site visit at each well covered by permit 22-7684 and to verify the acres historically irrigated.

The irrigation system consists of three wells, numbered 4, 5 and 8. Wells 4 and 5 are connected by a ten-inch diameter steel mainline that goes to the two $\frac{1}{4}$ mile pivots and four wiper pivots in Sections 24 and 25, Twp. 7N, Rge. 41E and ties into the eight-inch diameter steel mainline at well 8. From well 8, an eight-inch diameter mainline goes to a $\frac{1}{4}$ mile pivot and a wiper pivot in Sections 19 and 30, Twp. 7N, Rge. 42E. Mr. Crapo indicated the three $\frac{1}{4}$ mile pivots and a wiper pivot were getting water, which is normal practice. Photos of the three wells and maps illustrating the place of use are included in the report.

To measure and track the volume of water diverted, each well is equipped with a Seametrics inline mag meter that provides a total volume diverted in acre-feet (AF) and the rate of diversion in 0.01 AF. A photo of the tag on each mag meter is included in the report. Using a stopwatch, at wells 4 and 5, the time required to pump 0.01 AF was recorded three times and at well 8 two timed measurements were recorded. Conversion of AF to cubic feet per second (CFS) is shown in section F of the report.

Following the field visit, the legal description for each well, listed in section C, was confirmed with the mapping utility on the IDWR website.

RECEIVED
OCT 28 2021
Department of Water Resources
Eastern Region

E. NARRATIVE/REMARKS/COMMENTS

FROMOVER 9 LLC (208)624-3293

130 E Industrial Park Rd

Saint Anthony, ID 83445-4713

UNIT 2 LLC (208)624-3293

130 E Industrial Park Rd

Saint Anthony, ID 83445-4713

RGC FARMS LLC (208)624-3293

130 E Industrial Park Rd

Saint Anthony, ID 83445-4713

JUNIPER VIEW LLC

680 N 2100 E

Saint Anthony, ID 83445-5323

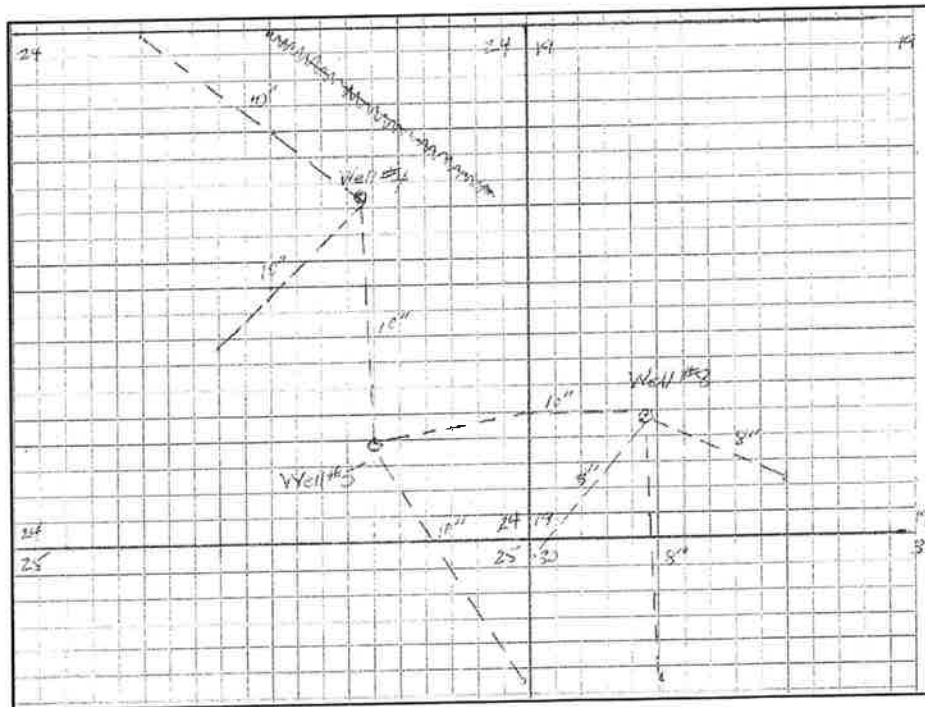
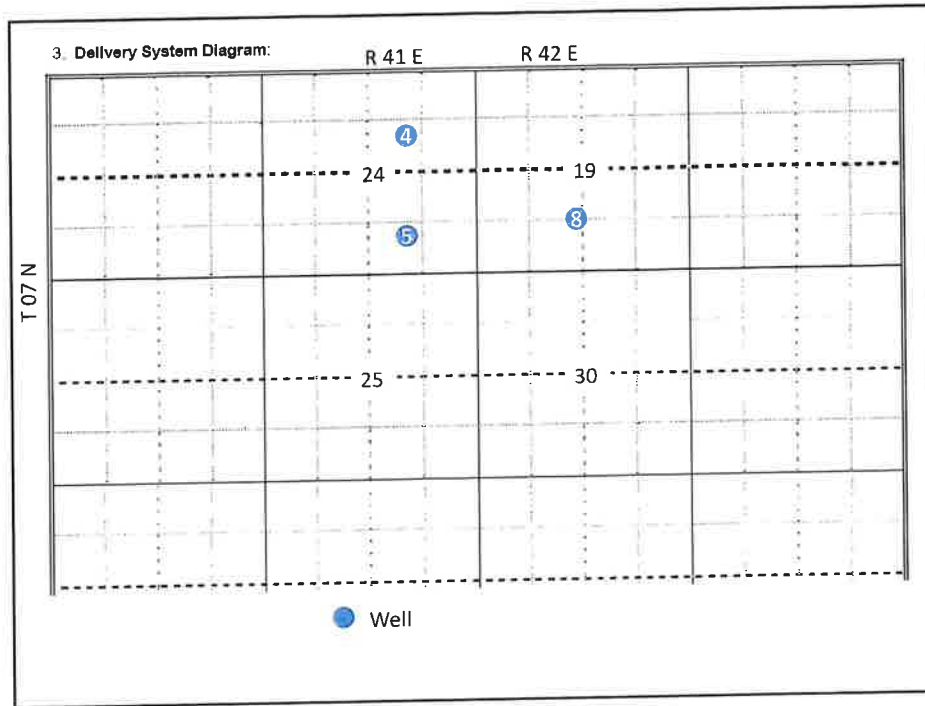
Item C. 4. Continued

Well #5 Booster Pump G.E. 250 Hp SN: HNJ817104 Layne & Bowler pump 10" discharge

Item D.1. Continued

Well #8 Inline Flow meter magmeter Seametrics AG3000 SN: 092018003102 8"

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?



F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Well #4

0.01 AF in 4.58 Min

0.02 AF in 8.92 Min

0.03 AF in 13.50 Min

Ave: 0.01 AF in 4.50 Min

1 AF = 325851 Gallons

3258.51 Gal / 4.50 Min = 724.1 GPM

724.1 + 2,116 + 912.7 = 3,752.8 GPM / 448.8 GPM/CFS = 8.36 CFS - 5.75 CFS (decreed) = 2.61 CFS

Well #5

0.01 AF in 1.58 Min

0.02 AF in 3.08 Min

0.03 AF in 4.63 Min

Ave: 0.01 AF in 1.54 Min

Well #8

0.01 AF in 3.57 Min

0.02 AF in 7.14 Min

Ave: 0.01 AF in 3.57 Min

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 797.2 \text{ ac} \times 3.5 \text{ afa} = 2790.2 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 2.61 \text{ cfs} \times 214 \times 1.9835 = 1,107.9 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1,107.9 \text{ afa}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
Irrigation	04/01	10/31	2.61	1107.9
Totals:			2.61	1107.9

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☐ None☒ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature



Date June 28, 2021

Reviewer

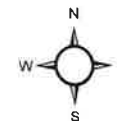
Blake Jordan

Date

11/1/2021



22-7648 MAP

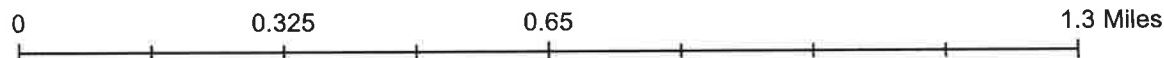


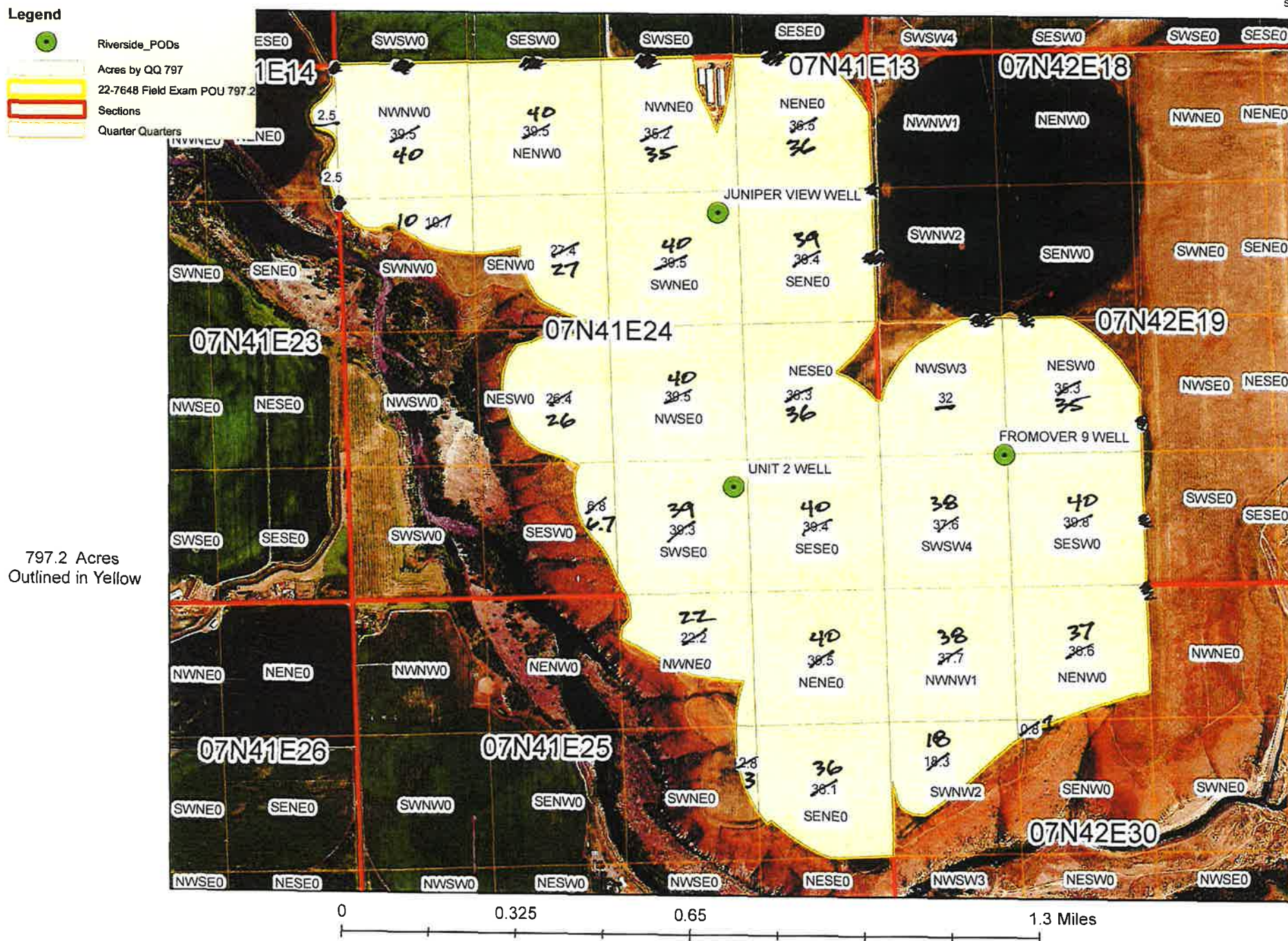
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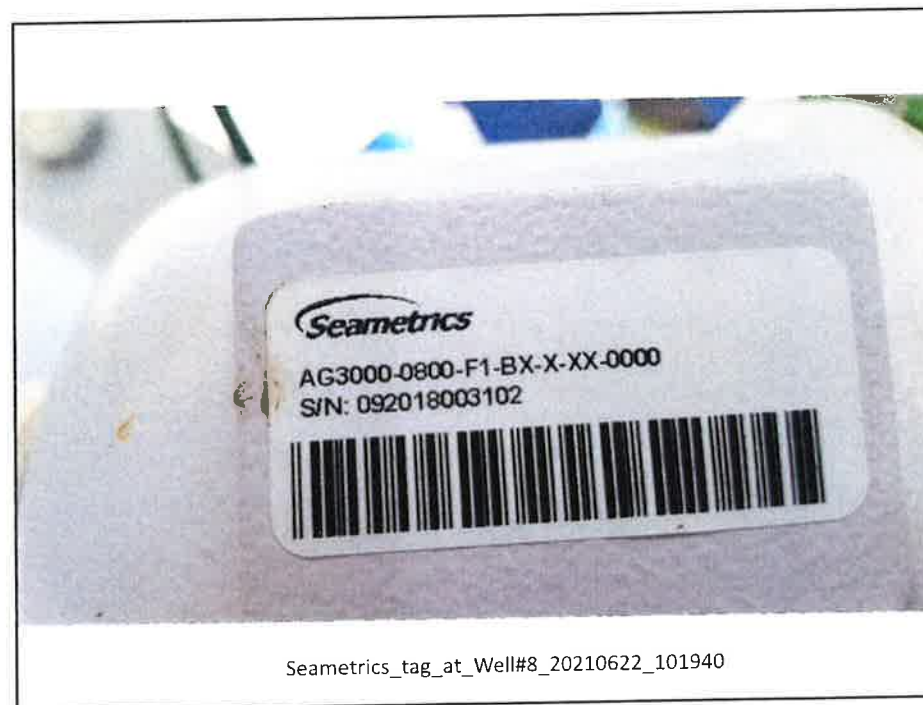
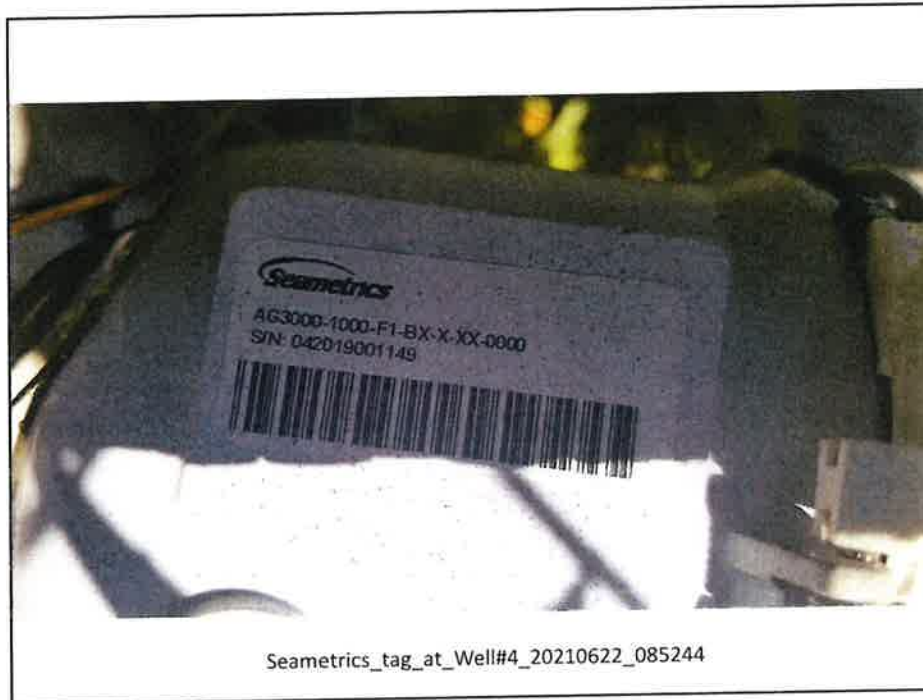
- Riverside_PODs
- 22-7648 Field Exam POU 797.2
- Sections
- Quarter Quarters

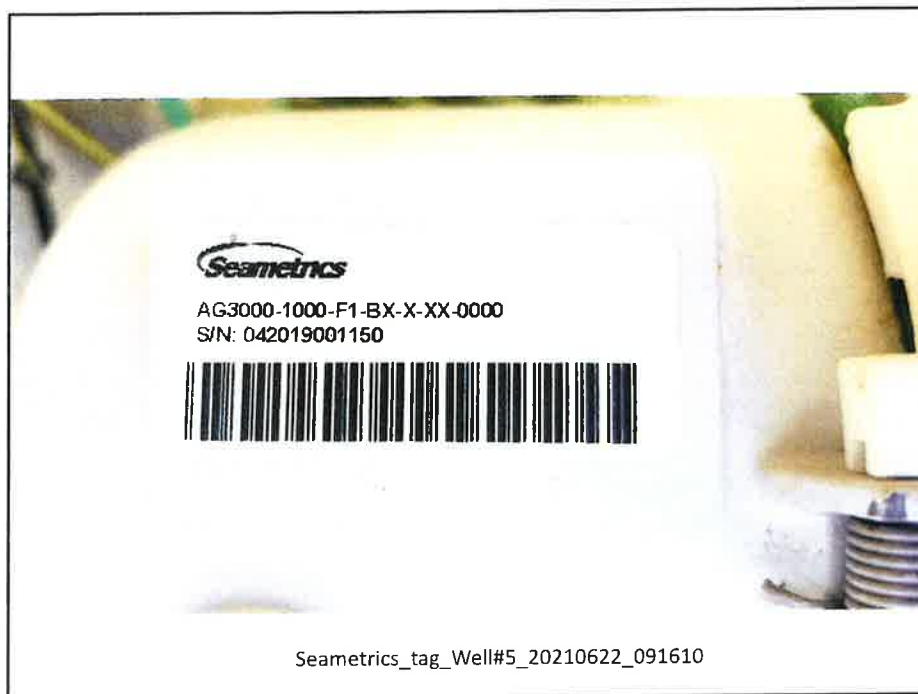


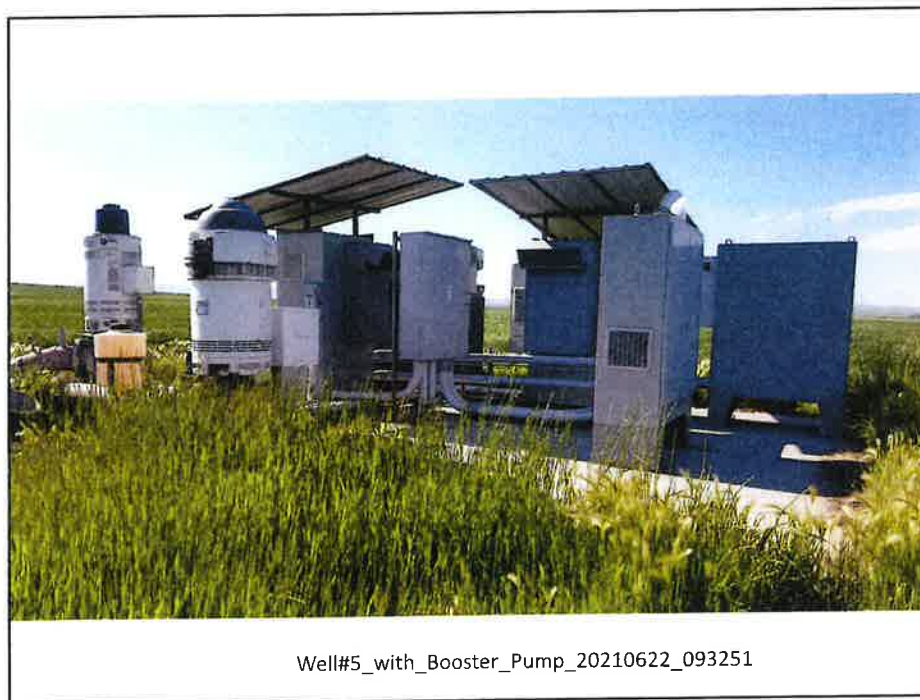
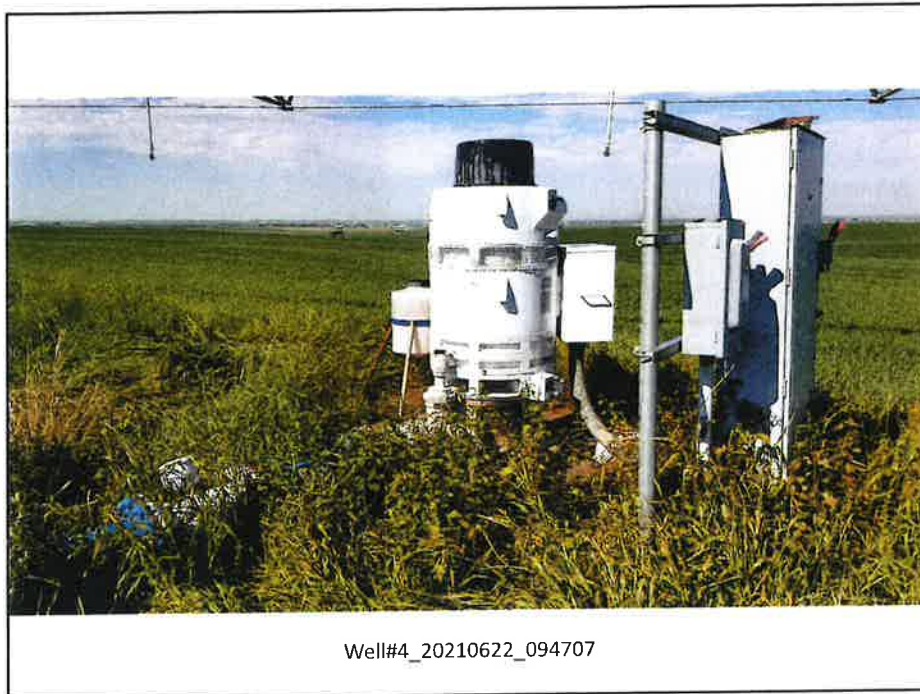
797.2 Acres
Outlined in Yellow













Well#5_with_Booster_Pump_20210622_093310



Well#5_with_Booster_Pump_20210622_093327





Holden Kidwell
Hahn & Crapo P.L.L.C.
L A W O F F I C E S

Established in 1896

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PO Box 50130
Idaho Falls, Idaho 83405
Tel: (208) 523-0620
Fax: (208) 523-9518
www.holdenlegal.com
rharris@holdenlegal.com

June 30, 2021

James Cefalo
Eastern Region Office
Idaho Department of Water Resources
900 North Skyline Dr., Ste A
Idaho Falls, ID 83402-1718

Re: Proof of Beneficial Use for Permit No. 22-7648.

Dear James:

Enclosed with this letter is a completed *Statement of Completion for Submitting Proof of Beneficial Use* and its associated *Beneficial Use Field Report* completed by David Tuthill, a certified field examiner, for Permit No. 22-7648. I am directing this to you because you are familiar with this permit but recognize that you may reassign review of these documents to others within the Department. Because we have submitted a *Beneficial Use Field Report*, we have not included a filing fee as provided in the Department's instructions. I assisted the field examiner with the GIS work for the place of use described in the report and can email it to you or other Department staff upon request. The place of use was developed slightly differently than the permit provides, and as a result, we anticipate the need to sign an *Applicant for Amendment of Permit for Licensing Purposes*.

Thank you for your assistance with this permit. If you have any questions, please do not hesitate to give me a call.

Best regards,

Robert L. Harris
HOLDEN, KIDWELL, HAHN & CRAPO, P.L.L.C.

Enclosures