

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-14187
Exam Date: 04/29/2020

1. Current Owner:
JASON T WILLIAMS 1266 LUSK LOOP ARBON ID 83212-5004
2. Accompanied by: Jason Williams
Phone No: 208-242-7700
Address: 1266 Lusk Loop; Arbon, ID 83212
Relationship to permit Holder: Owner

3. **SOURCE:**
GROUND WATER

Method of Determination: Site Visit

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
29-2565	Ground Water	Irrigation	Decreed

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

Water Right No.	Source	Purpose of Use	Basis
29-2565	Ground Water	Irrigation	Decreed

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

GROUND WATER NW¼ NE¼, Sec. 12, Twp 11S, Rge 33E, B.M. POWER County

Method of Determination: Aerial Photography and GPS

⊙ 236°SW (T) ● 42°29'17"N, 112°32'31"W ±16ft ▲ 5094ft



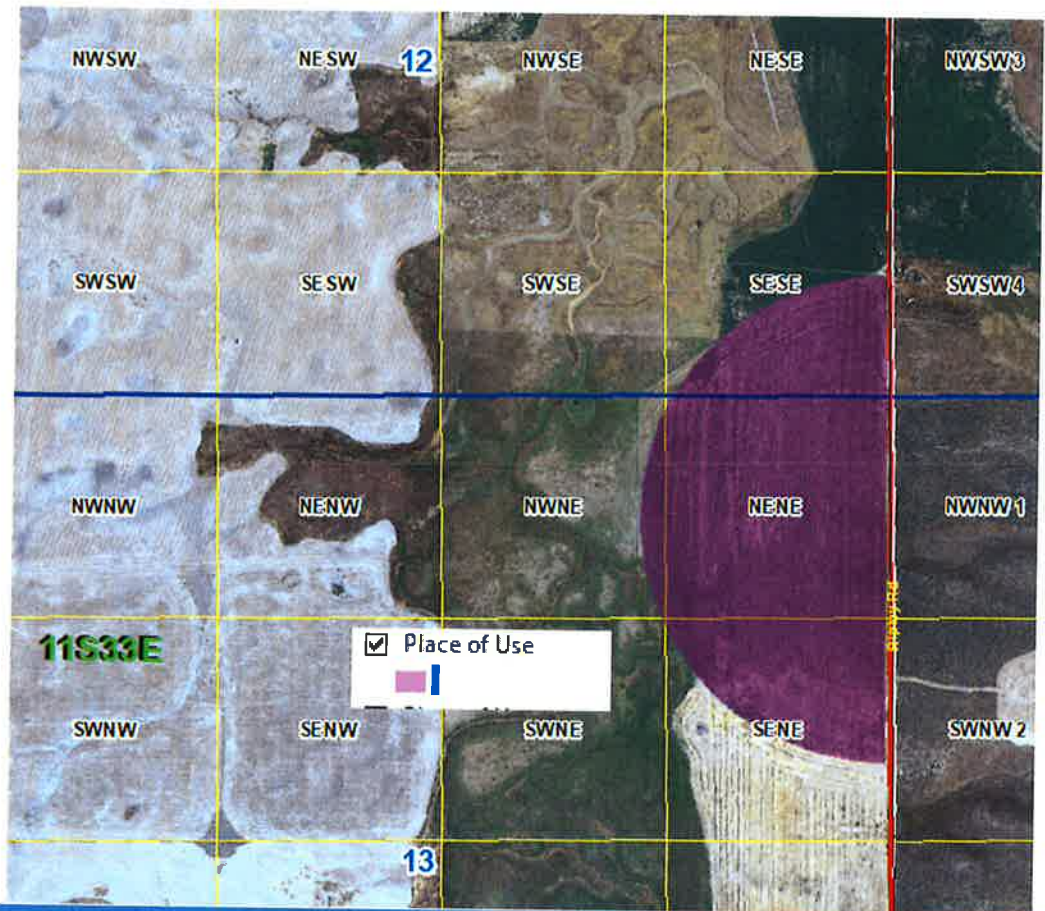
PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	33E	12																14.5	14.5
11S	33E	13	39.0	3.0		18.5													60.5

Right Acre Limit:35.0

Total Acres: 75.0

Method of Determination: Aerial photography and site visit.





- 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
	US Electric Motors	40			



D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow Meter	Magnetic	Lindsay Growsmart	IM3000	GT17082145	8"	



2. Measurements:



E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: Utilized installed magnetic flow meter.

Reading at time of measurement was 374.0 gpm (0.83 cfs)

Water right 29-2565: 0.13 cfs

Water right 29-14187: 0.70 cfs.

Total authorized under rights: 0.83 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 35 \text{ acres} \times 4.0 \text{ af} = 140.0 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.70 \text{ cfs} \times 214 \text{ days} \times 1.9835 \text{ af} = 297.1 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 140.0 \text{ af}$$

G. NARRATIVE/REMARKS/COMMENTS

Ground water was drilled next to Bannock Creek approximately 80 feet from east bank. Well contains a 40 HP pump with eight inch mainline. The mainline extends approximately one mile south and is connected to a wiper pivot. Irrigation system contains a Lindsay Growsmart magnetic flow meter. The flow meter is installed on vertical pipe of pivot. Flow meter installation meets IDWR installation standards. A total of 75 acres is irrigated by wiper pivot. Water right 29-2565 authorizes the irrigation of 40 acres and water right 29-14187 authorizes the irrigation of 35 acres. Water right 29-14187 will be amended to include a 75.0 acre place of use. Water right 29-13764 mitigates for the depletion of water used under water right 29-14187. Water right 29-13764 remains un-diverted.

Jason Williams will file an application for transfer proposing a 75 acre place of use for water right 29-2565.

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	0.70 CFS	140.0 AF

Totals: 0.70 CFS 140.0 AF

2. Recommended Amendments

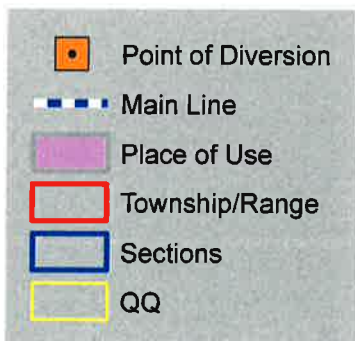
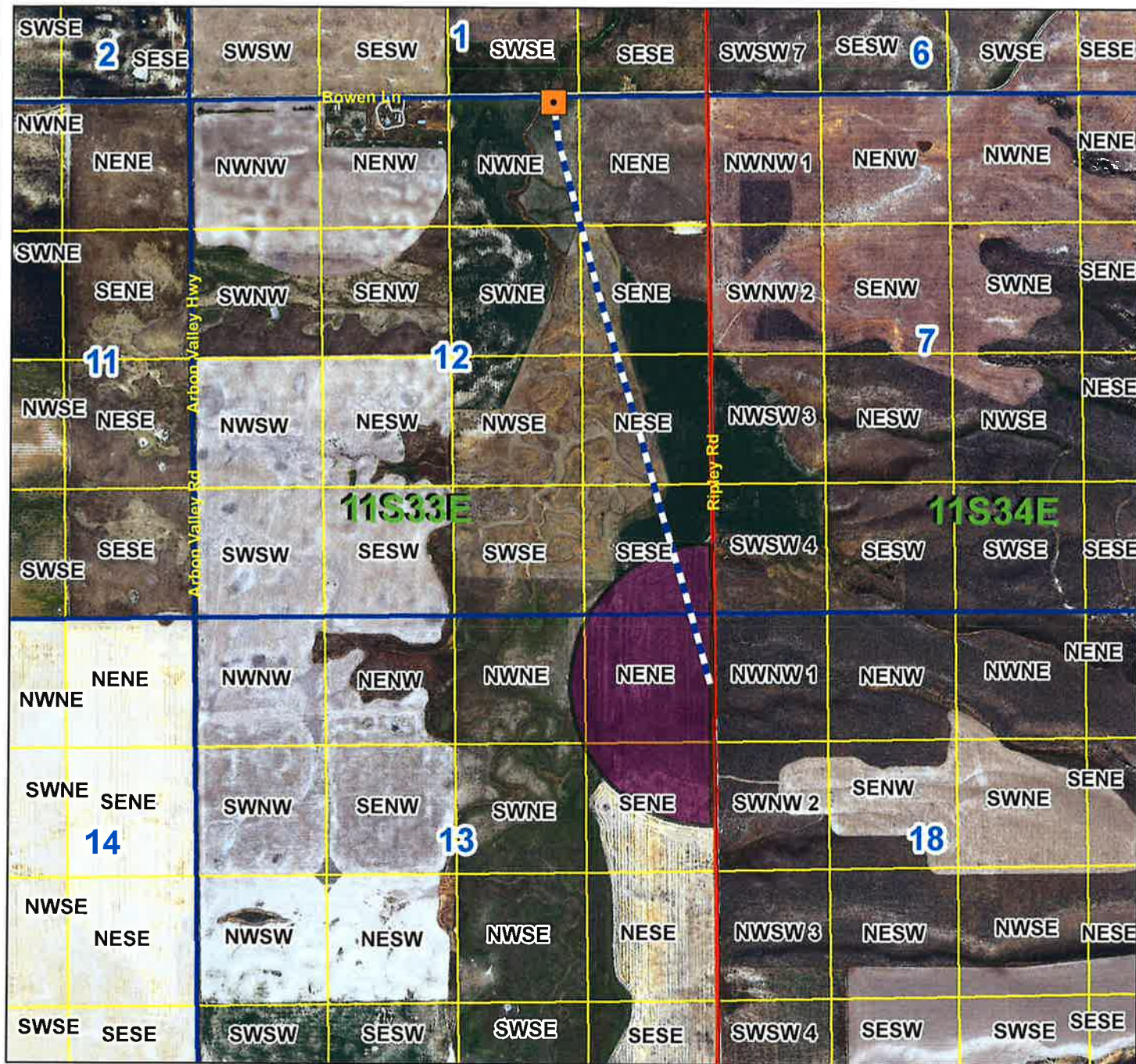
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☐ Change P.U. as reflected above ☒ Add P.U. as reflected above ☐ None

I. AUTHENTICATION Blake Jordan - Water Rights Supervisor

Field Examiner's Name Blake Jordan Date 5/5/2020

Reviewer James Cefalo Date 5/6/2020



0 850 1,700 3,400 Feet



1 inch = 1,537 feet

Water Right License 29-14187

75 acre place of use

Acre Limit: 35 acres

Rights 29-2565 and 29-14187 when combined are limited to 75 acres.



IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0073848

Drilling Permit No. _____

Water right or injection well # _____

2. OWNER: Guson Williams

Name _____

Address 1266 Lusk Loop

City Arbon State ID Zip 83212

3. WELL LOCATION:

Twp. 11 North ☐ or South ☒ Rge. 33 East ☒ or West ☐

Sec. 12 1/4 NW 1/4 NE 1/4

Gov't Lot _____ County Power

Lat. 42 ° 29.304 (Deg. and Decimal minutes)

Long. 112 ° 32.534 (Deg. and Decimal minutes)

Address of Well Site Bower Rd

City Arbon

(Line at least Name of road - Distance to Road or Landmark)

Lot _____ Blk. _____ Sub. Name _____

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 ft³) Placement method/procedure

Bentonite 0 35 34 bags overline

8. CASING/LINER:

Diameter (nominal) From (ft) To (ft) Gauge/Schedule Material Casing Liner Threaded Welded

12 0 168 250 steel ☒ ☐ ☐ ☒

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 168

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method air

Manufactured screen ☐ Y ☐ N Type _____

Method of installation _____

From (ft) To (ft) Slot size Number/ft Diameter (nominal) Material Gauge or Schedule

66 40 2 576 12 steel 250

113 164 2 1024 12 steel 250

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

10. FILTER PACK:

Filter Material From (ft) To (ft) Quantity (lbs or ft³) 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) 50 Static water level (ft) 12

Water temp. (°F) 50 Bottom hole temp. (°F) _____

Describe access port well cap

Well test: _____ Test method: _____

Drawdown (feet) Discharge or yield (gpm) Test duration (minutes) Pump Bailer Air Flowing artesian

approx 500-600 _____ ☐ ☐ ☒ ☐

Water quality test or comments: good

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

16 0 3 top soil _____ ☐ ☒

16 3 20 Blm Clay _____ ☐ ☒

16 20 25 Blm Clay - little sand _____ ☐ ☒

16 25 35 Blm Clay - little gravel _____ ☐ ☒

16 35 60 Blm Clay _____ ☐ ☒

16 60 90 gravel fill _____ ☒ ☐

16 90 95 Blm Clay _____ ☐ ☒

16 95 98 Exc Gravel - Blm Clay _____ ☒ ☐

16 98 113 Blm Clay _____ ☐ ☒

16 113 140 Gravel Sand Blm Clay quicksand _____ ☒ ☐

16 140 143 Blm Clay _____ ☐ ☒

16 143 155 Gravel _____ ☒ ☐

16 155 158 Blm Clay _____ ☐ ☒

16 158 165 Gravel Sand _____ ☒ ☐

16 165 168 Blm Clay _____ ☐ ☒

Completed Depth (Measurable): 168

Date Started: 6-6-17 Date Completed: 7-11-17

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 MT West Well Drilling Co. No. 543

*Principal Driller Michael Fuchs Date 7-12-17

*Driller Miles Sanderson Date 7-17-17

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

5/14/2020

- | | | |
|----|-----|---|
| 1. | C18 | This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code. |
| 2. | C03 | Right includes accomplished change in point of diversion pursuant to Section 42-1425, Idaho Code. |
| 3. | C05 | Right includes accomplished change in place of use pursuant to Section 42-1425, Idaho Code. |
| 4. | P29 | This right is old Right No. 29-2131. |
| 5. | | For purposes of administration, diversion of water under this right at the described point of diversion, T11S, R33E, S13, SWSE, is limited to those times when water is available under the priority of this right at the originally licensed point of diversion, T11S, R33E, S12, NWNE. If water is not available at the described point of diversion, T11S, R33E, S13, SWSE, but water is available at the originally licensed point of diversion, T11S, R33E, S12, NWNE, then this right cannot be used to sustain a delivery call against other water rights. |
| 6. | 193 | This right mitigates for the depletion of water resulting from the diversion and use of water under Right 29-14187. To prevent injury to other water right holders, the right holder shall cease diverting 0.70 cfs of this right from Bannock Creek. |