

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 INFORMATIONPermit No. 63-333311. Owner Kelly & Vicky KramerPhone No. 208-495-2635Current address 1286 Southside Blvd., Melba, ID, 836412. Examiner's name Cody ParkerEXAM DATE April 27, 20183. Accompanied by Kelly Kramer

Email _____

Address _____

Relationship to permit holder _____

Phone No. _____

4. Source Groundwater

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use Surface water shares2. Other water rights with the same source and point of diversion None**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
			SW	SE	27	01N	02W	Canyon	GPS, digital PLS

2. Place(s) of Use:

Method of determination Aerial imagery, digital PLS map, site visit

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	02W	27															37	22	59

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
Tag No. D0058918		50		Layne Bowling	8" pipe open 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
None						

2. Measurements: _____

Open discharge from well into ditch. Diversion rate = HP equation

E. NARRATIVE/REMARKS/COMMENTS

This permit authorizes diversion of 1.60 cfs from groundwater to irrigate up to 80 acres. Irrigation from the well is supplemental to surface water use for the same purpose. Proof was submitted on June 27, 2017. I completed this field exam on April 27, 2018 accompanied by Kelly Kramer. The property is accessed from Melba Rd. between Hill Rd. and S. Powerline Rd. in Canyon County.

The point of diversion is a 12 3/4" well with metal tag no. D0058918. The well is located at N 43 23' 14.5" by W 116 33'47.2" in the SWSE of Sec. 27, T01N, R02W, B.M. Water is diverted from the well using a 50-hp Layne-Bowling Vertiline Pump. Water is conveyed a short distance west through an 8" steel pipe w/ open discharge to a concrete ditch. 1" siphon tubes divert water from the ditch to irrigate approximately 59 acres of land.

The diversion rate I calculated from the pump information is 1.52 cfs. The beneficial use standard rate (0.02 cfs/acre) for 59 acres is 1.18 cfs. I have recommended the BU standard rate for the license. The volume I have recommended is based on the headgate requirement (4.5 afa/acre).

The owner confirmed that groundwater from the well is indeed used to supplement surface water. Other than surface water, there are no other rights used to irrigate the place of use. There are no other uses of the well

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:

$$Q = (8.8 \times 0.7 \times 50 \text{ hp}) / (180 \text{ ft} + 2.31(10 \text{ psi})) = 1.52 \text{ cfs}$$

$$\text{BU Standard} = 0.02 \text{ cfs} \times 59 \text{ acres} = 1.18 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 59 \text{ acres} \times 4.5 \text{ afa/acre} = 265.5 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.18 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 608.5 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 265.5 \text{ afa}$$

2. Volume Calculations for Other Uses:

No other uses

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
Irrigation	03/01	11/15	1.18 cfs	266 afa
Totals:			1.18 cfs	266 afa

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

5-8-18

Reviewer

Date

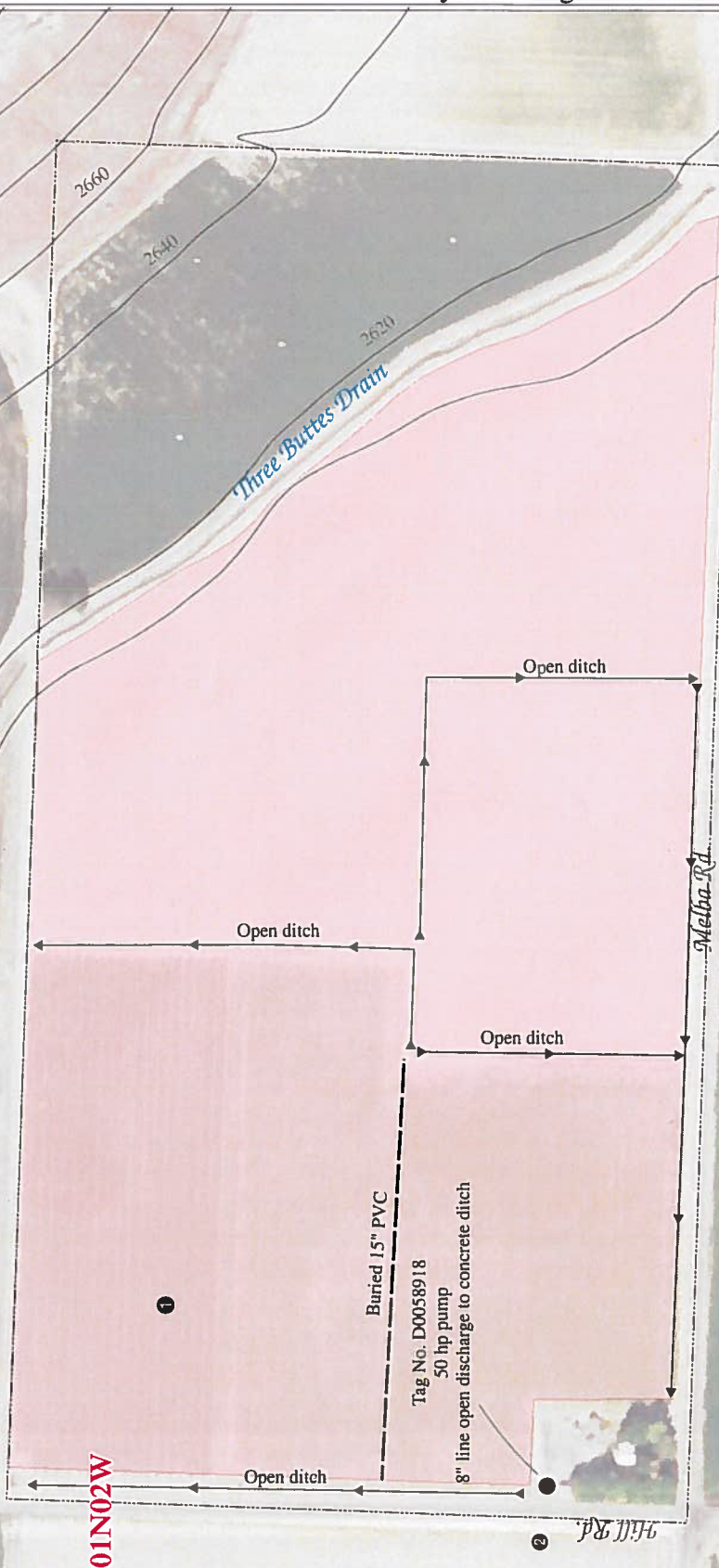
5/8/18

SEAL

Right No. 63-33331

Beneficial Use Field Report System Diagram

WRA Cody Parker



Notes

- 1 59 acres are irrigated from the concrete ditch using 1" siphon tubes.
- 2 An 8-inch steel line runs west ~15 ft from the well head to the concrete ditch. The diversion rate is the rate predicted by the HP equation.

Pump Rate

$$Q = \frac{8.8 \times 0.7 \times 50 \text{ hp}}{180 \text{ ft} + 2.31(10 \text{ psi})}$$

$$Q = 1.52 \text{ cfs}$$

Legend

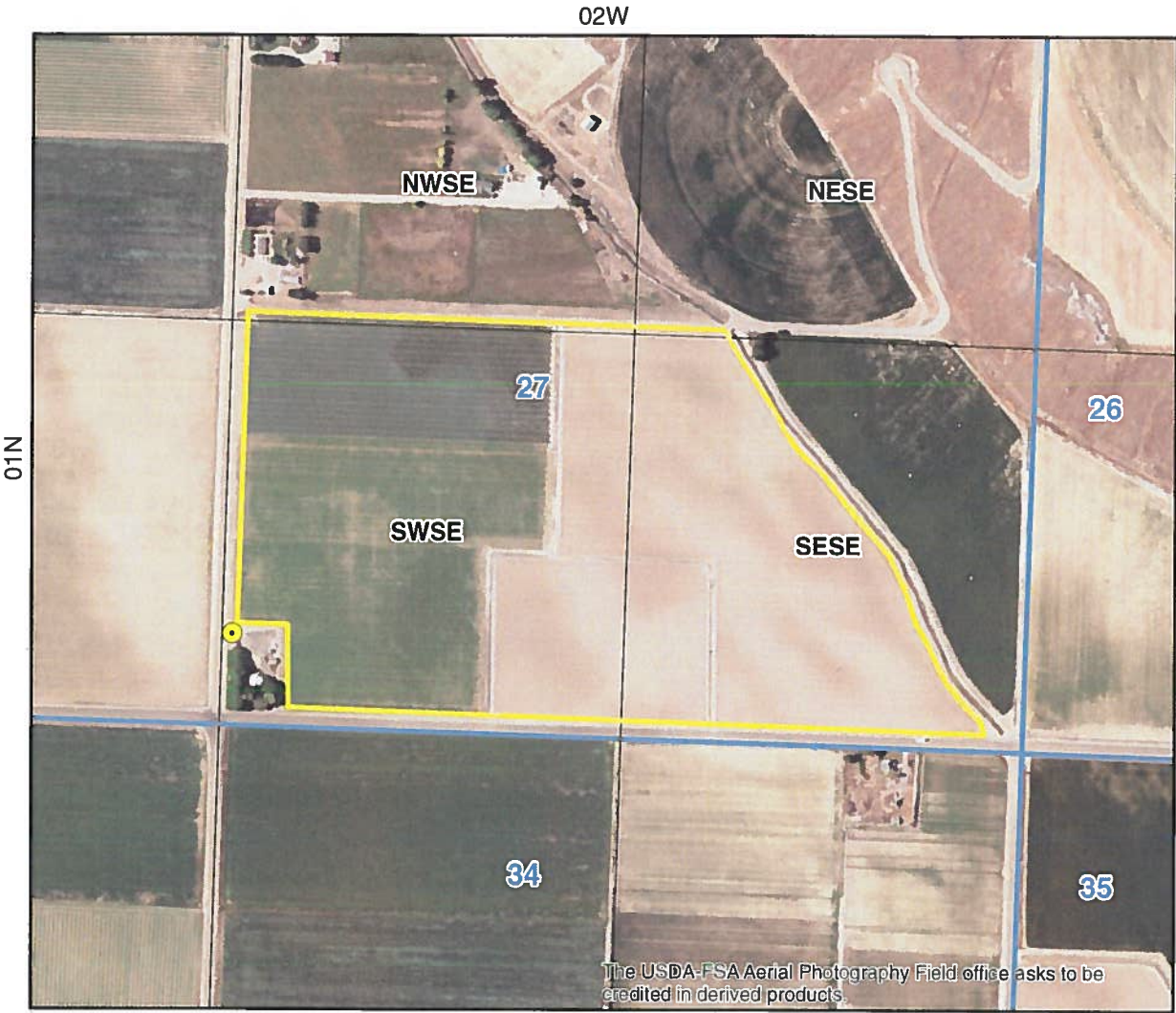
Irrigated acreage
Property boundary

0 0.045 0.09 Miles

N

State of Idaho
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Beneficial Use Field Report
63-33331

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

0 0.05 0.1 0.2 Miles



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment

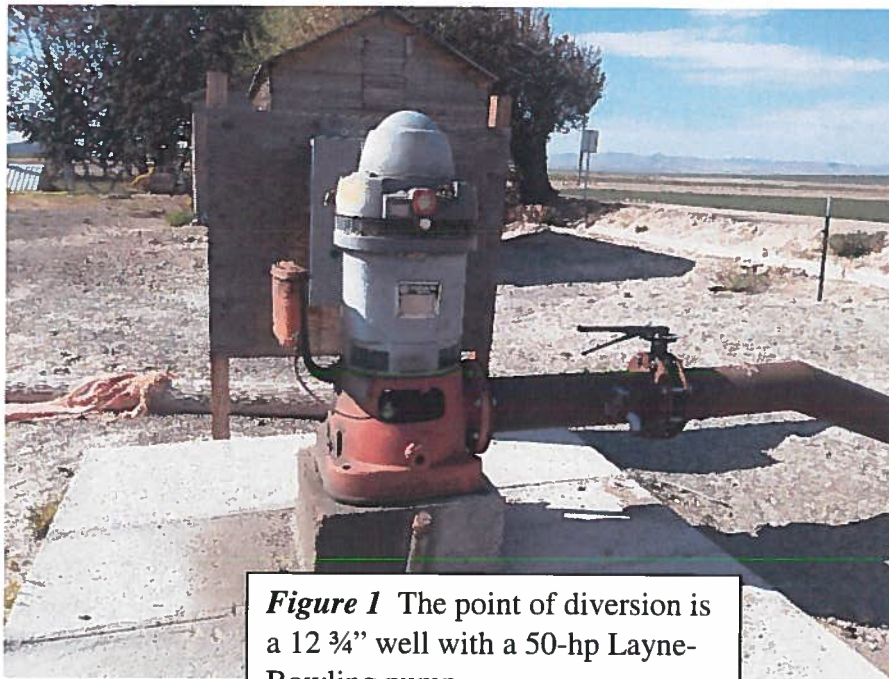


Figure 1 The point of diversion is a 12 3/4" well with a 50-hp Layne-Bowling pump.



Figure 2 Metal tag no. D0058918

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment

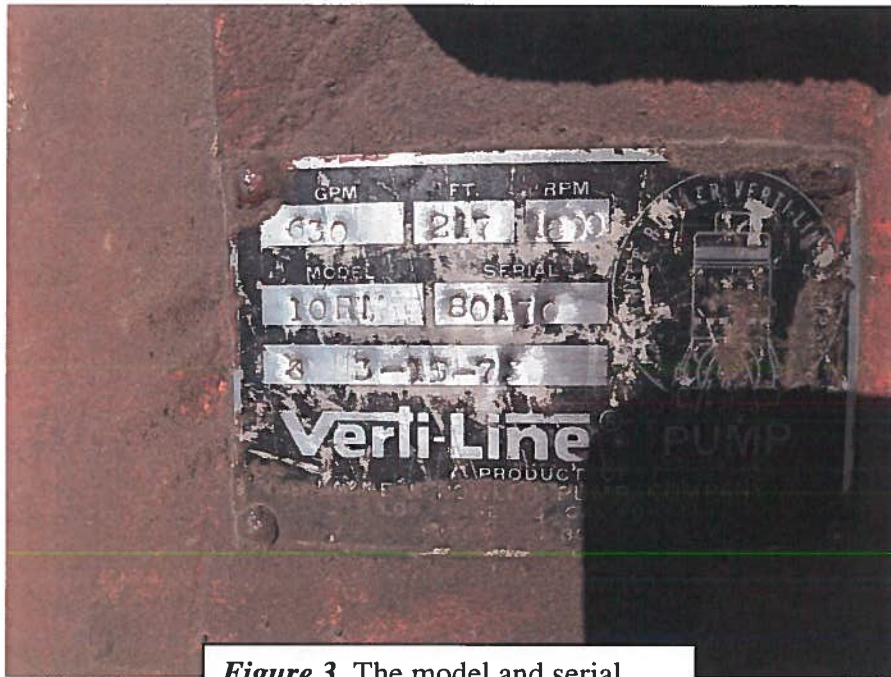


Figure 3 The model and serial numbers for the pump.

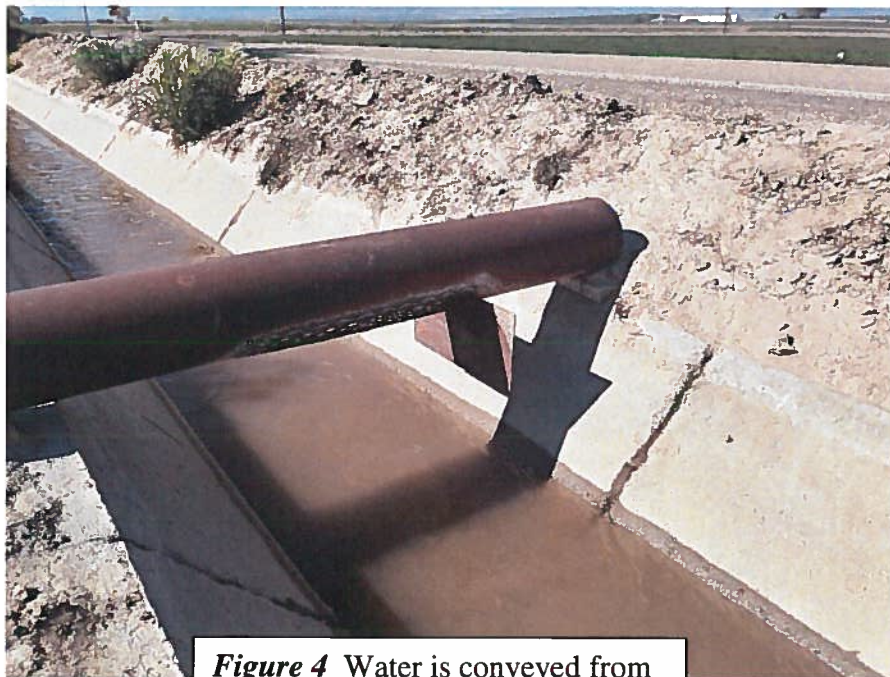


Figure 4 Water is conveyed from the well through this 8" line with open discharge to the concrete ditch.

STATE OF IDAHO
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Picture Attachment



Figure 5 The owners use 1" siphon to pull water from the ditch and irrigate 59 acres.

01N02W27

Basin/Sequence	Owner	Source	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
63-21303	JAMES E	GROUND WATER						X										
63-21905	MILLER, J	GROUND WATER															X	
63-28444	FARNER, J	GROUND WATER												X				
63-28524	FLAHIFF, J	GROUND WATER										X						
63-33331	KRAMER	GROUND WATER															X	

Separate well, no overlap

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01N02W27

Basin/Seq#	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-11772	MILLER	GROUND IRRIGATION						10	39											49
63-136	BARKER	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-137B	BARKER	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-200A	BARKER	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2106	UNITED S FIVEMILE	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-233K	AMERICA	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2388A	UNITED S	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2392F	BOISE PR WASTE W	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-251A	UNITED S	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-26671	BARKER	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-301A	UNITED S	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-302A	UNITED S	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33149	LAWREN	GROUND IRRIGATION		34	18	4	31													87
63-3323	CAMPBELL	GROUND IRRIGATION		34	18	4	31													87
63-3324	CAMPBELL	GROUND IRRIGATION		34	18	4	31													87
63-33251	BOISE PR INDIAN C	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33253	BOISE PR TENMILE	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33331	KRAMER	GROUND IRRIGATION																		
63-33333	NORTHW	GROUND IRRIGATION		40	36	4	31											37	22	59
63-372	BARKER	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	111
63-373A	UNITED S	BOISE R/I IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Surface water, shares available for POU

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

859222

1. WELL TAG NO. D 0058918Drilling Permit No. 910572-859222Water right or injection well # 63-333312. OWNER: Kelly KramerName Kelly KramerAddress 1258C Southside BlvdCity Melba State 10 Zip 83641

3. WELL LOCATION:

Twp. 1 North ☒ or South ☐ Rge. 2 East ☐ or West ☒Sec. 27 SW 1/4 SW 1/4 SE 1/4Gov't Lot _____ County CanyonLat. 43 ° 23.242 (Deg. and Decimal minutes)Long. 116 ° 33.791 (Deg. and Decimal minutes)Address of Well Site Corner of Melba Rd & Hill Rd.9468 Melba Rd City Melba

(Give 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 ft ³)	Placement method/procedure
<u>Benetite</u>	<u>0</u>	<u>60</u>	<u>6300 #5</u>	<u>OVERBURD Dry pour</u>
<u>#8 granules</u>				

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
<u>12 3/4</u>	<u>+2</u>	<u>269</u>	<u>250</u>	<u>steel</u>	☒	☐	☒
<u>12 OD</u>	<u>269</u>	<u>274</u>	<u>250</u>	<u>STEEL</u>	☒	☐	☒
					☐	☐	☐
					☐	☐	☐

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

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method Factory CUTManufactured screen ☐ Y ☐ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
<u>204</u>	<u>269</u>	<u>1/4x6</u>	<u>780</u>	<u>12</u>	<u>steel</u>	<u>250</u>

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	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) 167 Static water level (ft) 167Water temp. (°F) 60 Bottom hole temp. (°F) 60Describe access port 1 1/2 threaded pipe welded to casing

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
<u>1 inch</u>	<u>50</u>	<u>30</u>

Test method:

Pump	Bailer	Air	Flowing artesian
☐	☒	☐	☐

Water quality test or comments: _____

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
<u>20</u>	<u>0</u>	<u>11</u>	<u>Topsoil</u>		
<u>20</u>	<u>11</u>	<u>30</u>	<u>Basalt</u>		
<u>16</u>	<u>30</u>	<u>116</u>	<u>Basalt</u>		
	<u>116</u>	<u>117</u>	<u>Cinders</u>		
	<u>117</u>	<u>123</u>	<u>Basalt - Brown cinders layers</u>		
	<u>123</u>	<u>143</u>	<u>Basalt</u>		
	<u>143</u>	<u>144</u>	<u>Cinders - tan</u>		
	<u>144</u>	<u>179</u>	<u>Basalt</u>		☒
	<u>179</u>	<u>180</u>	<u>Cinders</u>		☒
	<u>180</u>	<u>215</u>	<u>Basalt</u>		
	<u>215</u>	<u>228</u>	<u>Cinders & clay - tan</u>		☒
	<u>228</u>	<u>244</u>	<u>CINDERS - black</u>		☒
	<u>244</u>	<u>250</u>	<u>ASH - tan</u>		
	<u>250</u>	<u>257</u>	<u>clay - tan - sticky</u>		
<u>16</u>	<u>257</u>	<u>270</u>	<u>Basalt</u>		☒
<u>12</u>	<u>270</u>	<u>276</u>	<u>Basalt</u>		
	<u>276</u>	<u>289</u>	<u>Basalt soft</u>		☒
	<u>289</u>	<u>294</u>	<u>Basalt</u>		
	<u>294</u>	<u>295</u>	<u>Basalt - broken</u>		☒
	<u>295</u>	<u>305</u>	<u>Basalt</u>		
	<u>305</u>	<u>307</u>	<u>Cinders</u>		☒
	<u>307</u>	<u>311</u>	<u>Basalt - not cuttings</u>		☒
	<u>311</u>	<u>322</u>	<u>Cinders black - talc - cinders</u>		☒
	<u>322</u>	<u>323</u>	<u>Basalt</u>		
	<u>323</u>	<u>330</u>	<u>Sand tan</u>		☒
	<u>330</u>	<u>332</u>	<u>Gravel coarse</u>		☒

RECEIVED

Covered back to 325

NOV 22 2010

WATER RESOURCES

Well ID: 0058918 (Measurable): 325Date Started: 7/8/10Date Completed: 10/20/10

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 Johnston Drilling Co. No. 92Principal Driller Sam Johnston Date 11/8/10Driller Sam Johnston Date 11/8/10

Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 30, 2018

KELLY AND VICKY KRAMER
1288 SOUTHSIDE BLVD
MELBA ID 83641

RE: Water right permit no. 63-33331

Dear Permit Holder:

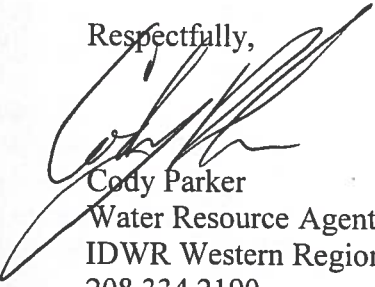
We are planning to conduct water right examinations in the vicinity of the permit referenced above **this season**. An examination is needed to verify the water use in order to issue a water right license.

The details of the permit referenced above can be found in the enclosed water permit report. **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 you have ceased using the water and have no further interest in pursuing a water right, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

Please contact me within the next thirty (30) days at 208-334-2190 to either schedule an examination or submit a relinquishment form. If you do not make a timely response in this regard, action will be taken to void the permit.

Respectfully,



Cody Parker
Water Resource Agent
IDWR Western Region
208.334.2190
cody.parker@idwr.idaho.gov

Enclosed: Water right report and map
Relinquishment form