

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. 63-333941. Owner Craig WeberPhone No. 208-880-4681Current address 30680 Shelton Rd, Parma, ID 836602. Examiner's name Cody ParkerEXAM DATE April 26, 20183. Accompanied by Maria Weber

Email _____

Address sameRelationship to permit holder wifePhone No. 208-899-37554. Source Groundwater

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use None2. 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
			SE	NW	35	06N	05W	Canyon	GPS, digital PLS

2. Place(s) of Use:

Method of determination aerial imagery, site visit, digital PLS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06N	05W	35							36	29	2.5	7.1							74.6

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. D0057998	Emerson	60	H060S2SLG		

*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
TransPort	PT878	GE		08447		

2. **Measurements:** _____

Pivot = 0.67 cfs w/out end gun (+0.20 cfs for gun)

Pods = 20 Nelson R2000WF sprinklers (gold nozzle and plate), 35 psi = 0.15 cfs

Lawn = 17 gear-drive RainBirds = 0.11 cfs

E. NARRATIVE/REMARKS/COMMENTS

This permit authorizes diversion of 2.20 cfs from groundwater to irrigate up to 110 acres. Proof was submitted on October 30, 2013. I completed the field exam on April 26, 2018, accompanied by Maria Weber, wife of the permit holder. The property is accessed from Shelton Rd. just north of Klahr Rd. in Parma, Idaho.

The point of diversion is a 16" well with metal tag no. D0057998. The well is located at N 43 49'03.5" by W 116 54'26.2" in the SENW of Sec. 35, T06N, R05W, B.M. The total depth is 482 ft and the static water level is 186 ft BGS. A pump of unknown size powered by a 60 hp Emerson motor diverts water from the well to an 8 inch steel line at 60 psi. The 8 inch runs a linear distance of around 600 ft southwest to the pivot center and to a riser feeding a 6" gated PVC pipe. A separate 2 inch steel line branches off at the well and runs west to two separate 2" risers which feed K-line to irrigate 8 acres at the north of the property.

I took a Panametric measurement at the pivot center while it was running (not including the end gun). The measurement shows that the pivot used 0.67 cfs. The spec sheet indicates that the end gun requires an additional 0.20 cfs. The K-Line irrigation includes 20 Nelson R2000WF sprinklers at a maximum of 35 psi. The diversion rate from the K-Line is estimated at 0.15 cfs.

The gated pipe cannot be run at the same time as the pivot. Lawn irrigation can be run from either the domestic well or the irrigation well. The sprinklers can run at the same time as the pivot. Lawn irrigation is comprised of 4 zones (1 of which is entirely drip irrigation). The largest zone has 17 gear-drive RainBirds. At 3 gpm per head the total diversion for the lawn is 51 gpm or (0.11 cfs). The total max diversion rate for the system is 1.13 cfs, which is the limiting factor and is the rate I have recommended for the license. The recommended volume is determined from the headgate requirement.

There are no current overlapping uses of the well, nor are there any overlapping irrigation rights for the place of use. Surface water is not available at the place of use.

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:

Pivot + Pods + Lawn = 1.13 cfs

BU Standard = 74.6 acres x 0.02 cfs/acre = 1.49 cfs

Permit = 2.20 cfs

Recommend 1.13 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 74.6 \text{ acres} \times 4.5 \text{ afa/acre} = 335.7 \text{ afa}$$

$$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.13 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 582.8 \text{ afa}$$

$$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} = 335.7$$

2. Volume Calculations for Other Uses:

No other uses

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	03/01	11/15	1.13 cfs	336 afa
Totals:			1.13 cfs	336 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

5-16-18

Reviewer

Date

5/16/18

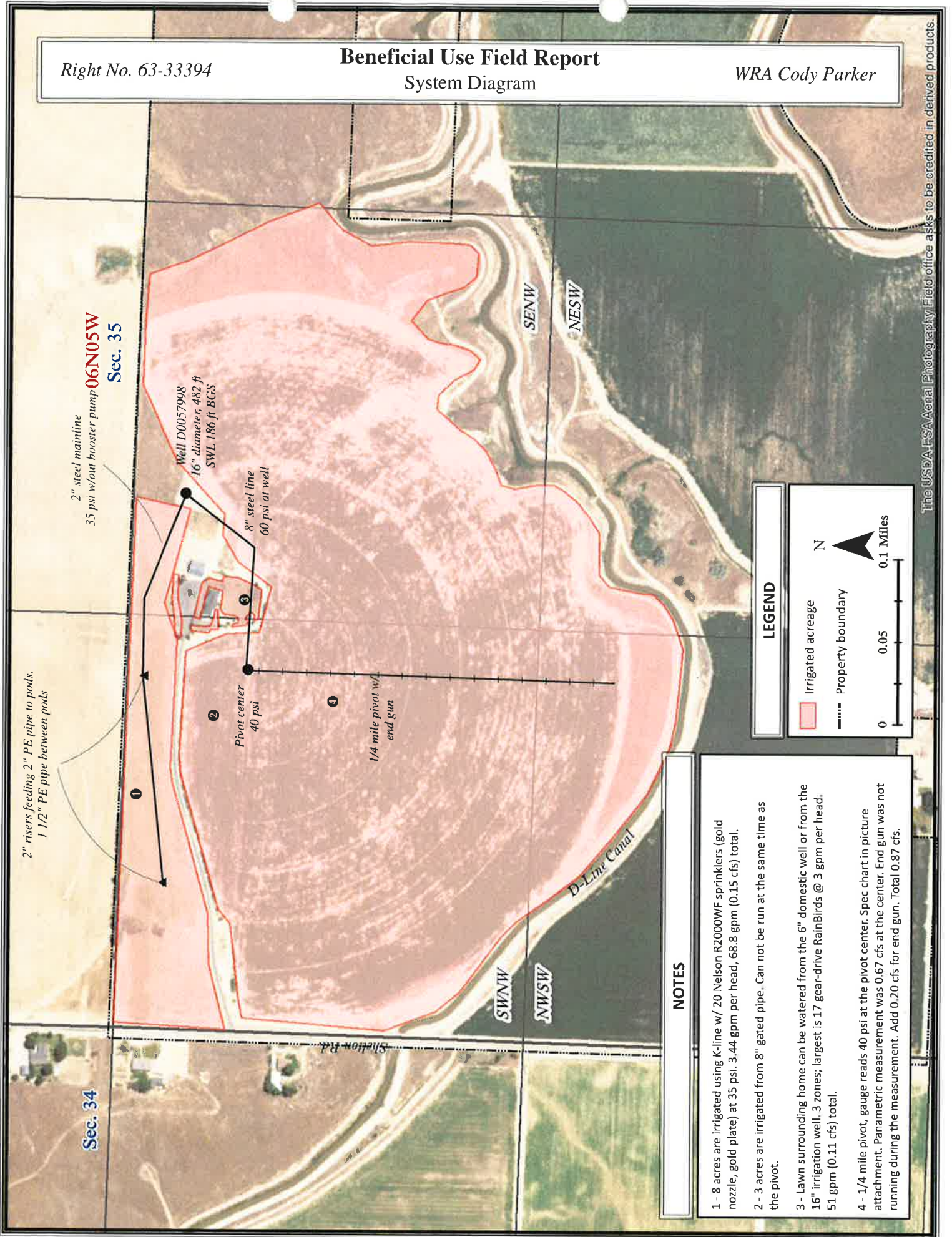
SEAL

Right No. 63-33394

Beneficial Use Field Report

System Diagram

WRA Cody Parker



Sec. 34

Sec. 35

1

2

4

Well D0057998
16" diameter, 482 ft
SWL 186 ft BGS

8" steel line
60 psi at well

Pivot center
40 psi

1/4 mile pivot w/
end gun

SWNW

NWSW

SENW

NESW

D-Line Canal

Shelton Rd

LEGEND

Irrigated acreage

Property boundary

N

0.1 Miles

0.05

0

NOTES

1 - 8 acres are irrigated using K-line w/ 20 Nelson R2000WF sprinklers (gold nozzle, gold plate) at 35 psi. 3.44 gpm per head, 68.8 gpm (0.15 cfs) total.

2 - 3 acres are irrigated from 8" gated pipe. Can not be run at the same time as the pivot.

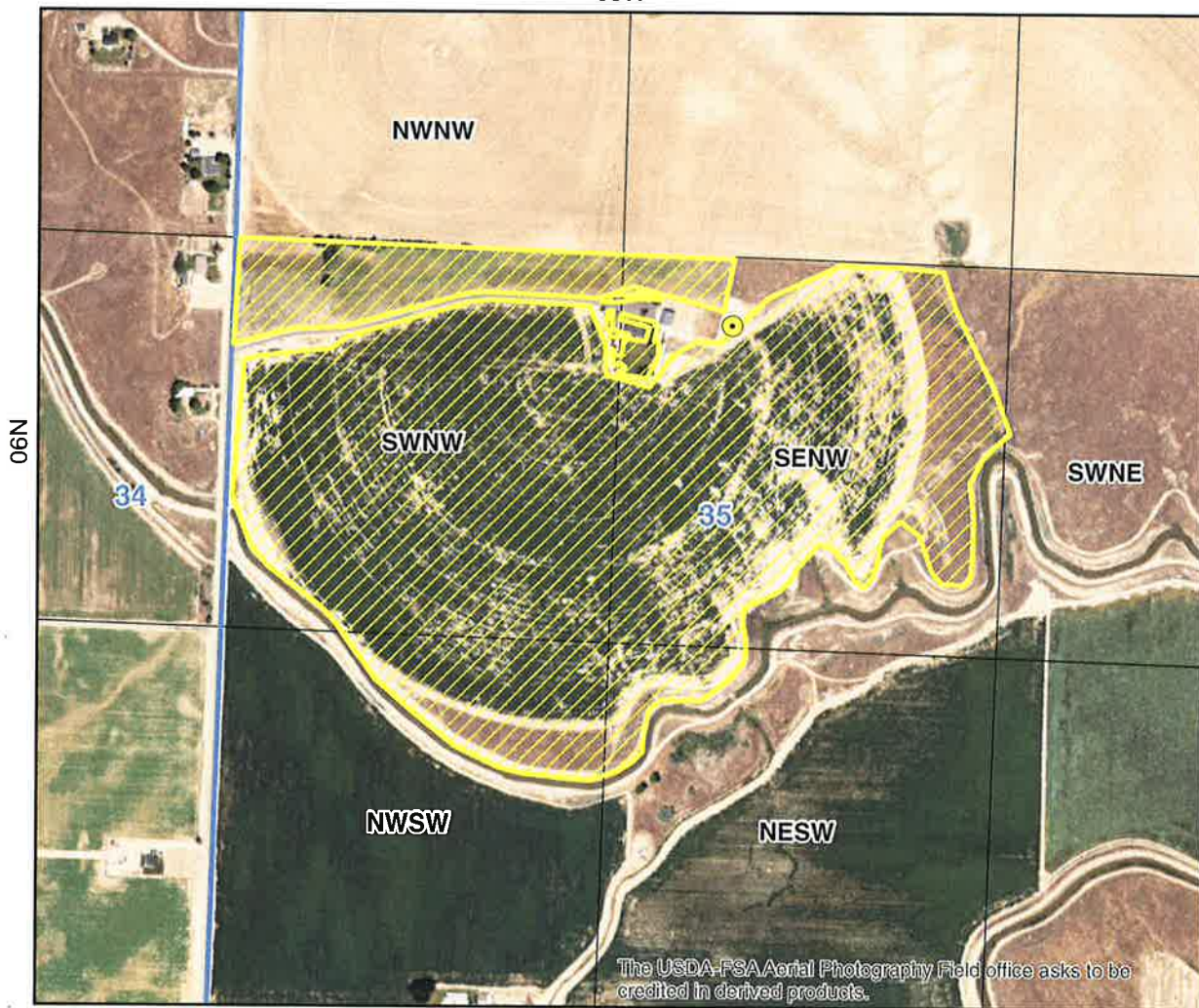
3 - Lawn surrounding home can be watered from the 6" domestic well or from the 16" irrigation well. 3 zones; largest is 17 gear-drive RainBirds @ 3 gpm per head. 51 gpm (0.11 cfs) total.

4 - 1/4 mile pivot, gauge reads 40 psi at the pivot center. Spec chart in picture attachment. Panametric measurement was 0.67 cfs at the center. End gun was not running during the measurement. Add 0.20 cfs for end gun. Total 0.87 cfs.

State of Idaho
Department of Water Resources
Beneficial Use Field Report
63-33394

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.

05W



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

0 0.075 0.15 0.3 Miles



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

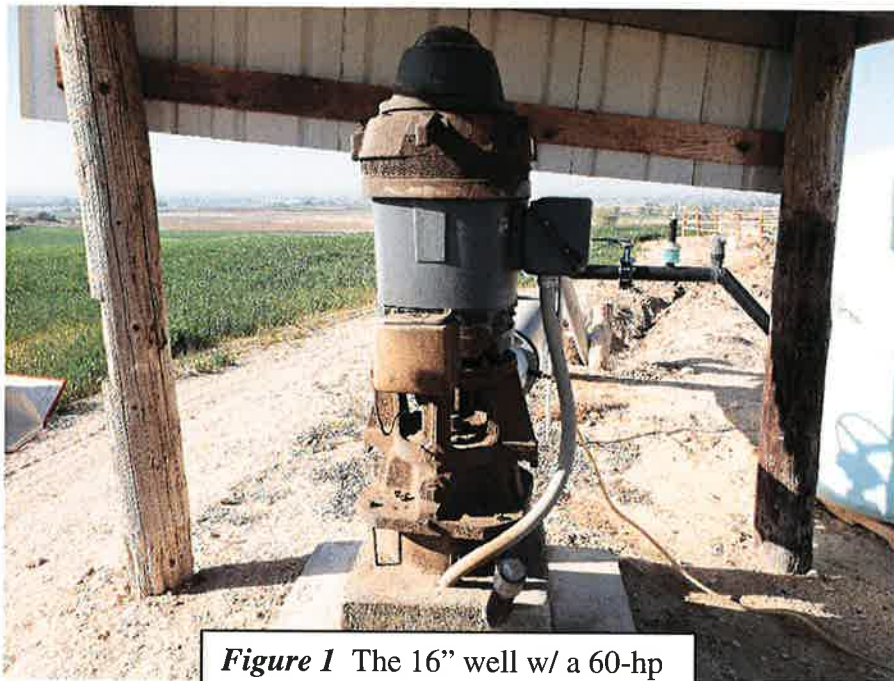


Figure 1 The 16" well w/ a 60-hp motor and pump of unknown size.



Figure 2 Metal Tag No. D0057998

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

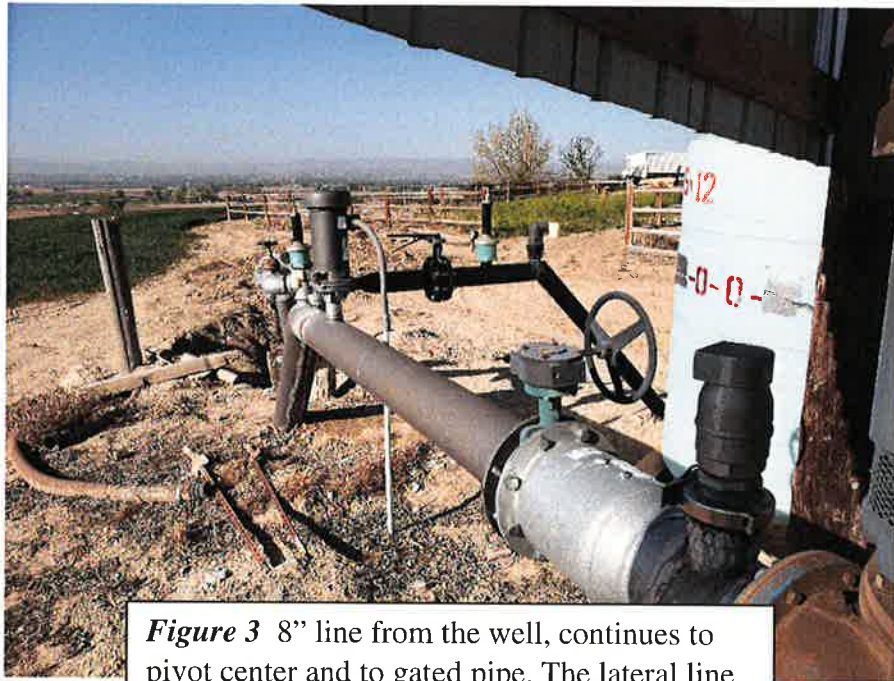


Figure 3 8" line from the well, continues to pivot center and to gated pipe. The lateral line has a booster pump and supplies water to the K-Line and lawn irrigation.



Figure 4 A pressure gauge showing 35 psi in the 2" lateral line w/out the booster pump running.

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



Figure 5 60 psi in the main 8" line to the pivot center.

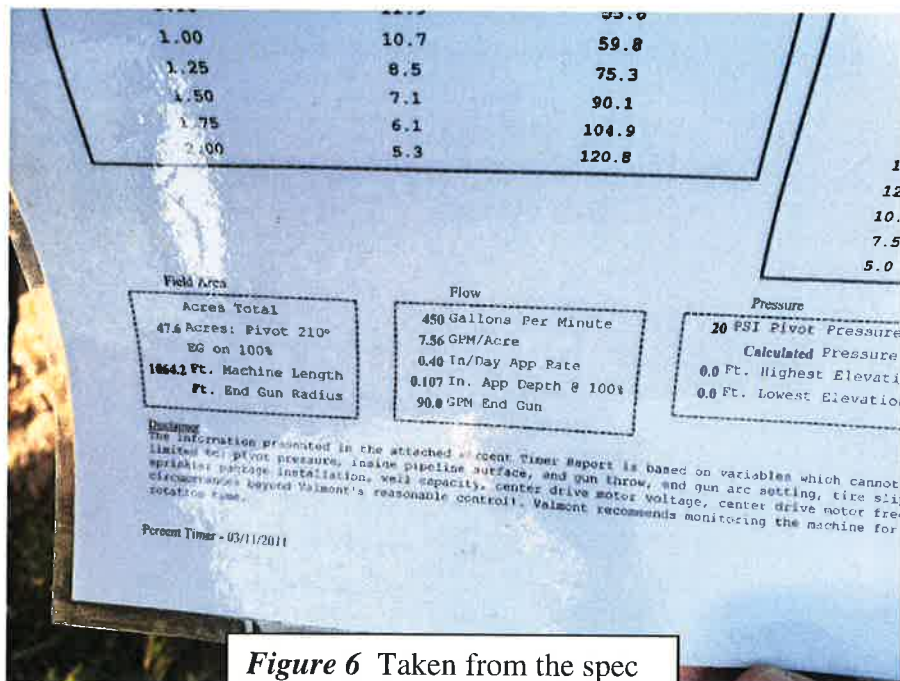


Figure 6 Taken from the spec sheet for the pivot system.

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

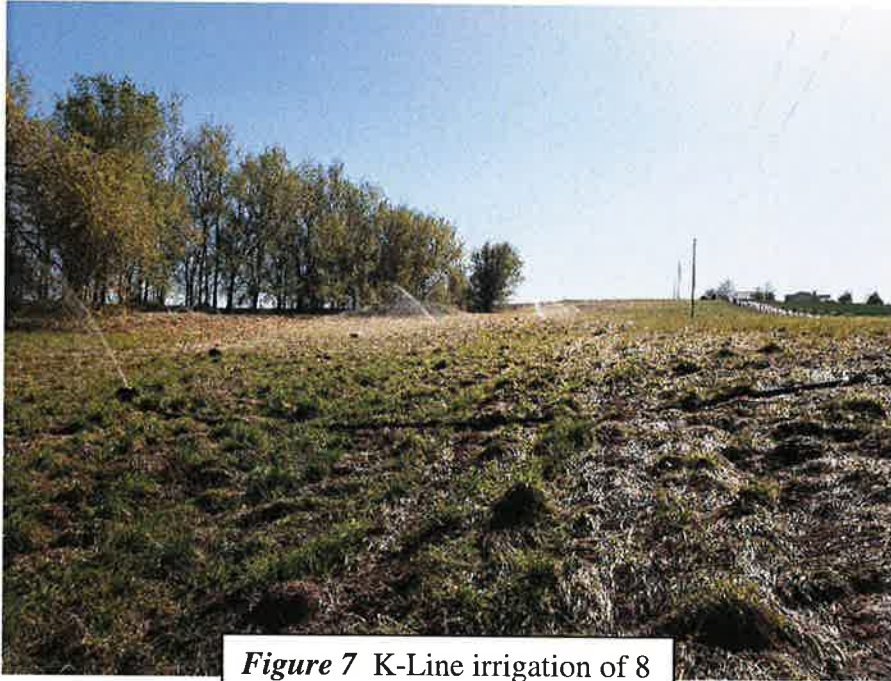


Figure 7 K-Line irrigation of 8 acres of the northern pasture.

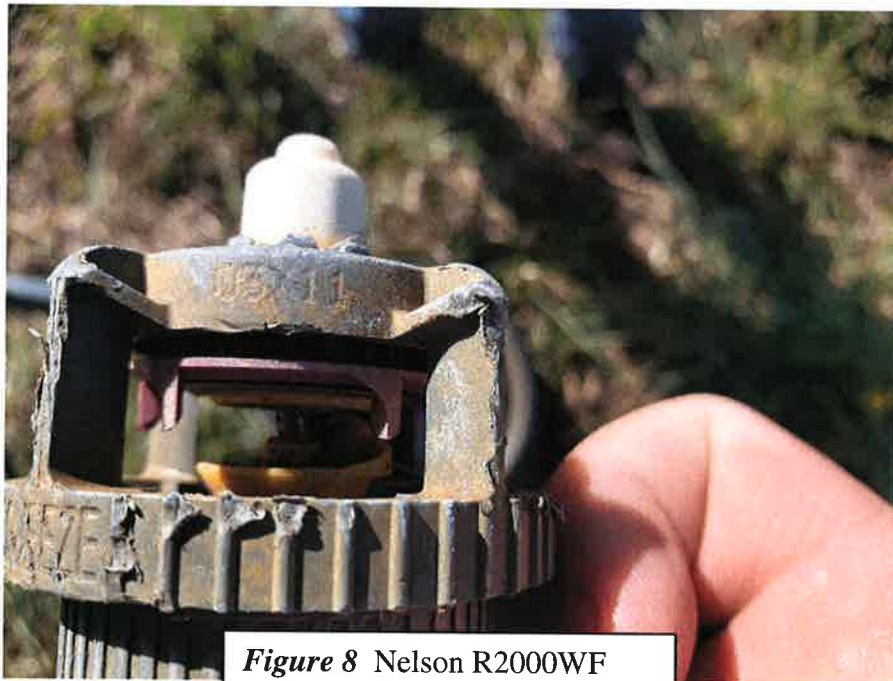


Figure 8 Nelson R2000WF sprinklers in each of the pods.

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

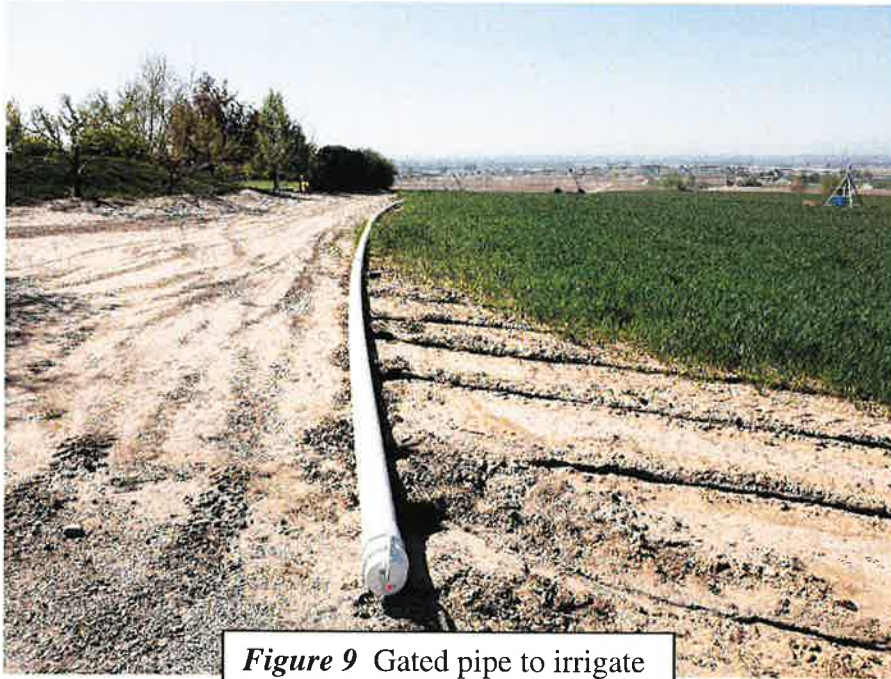
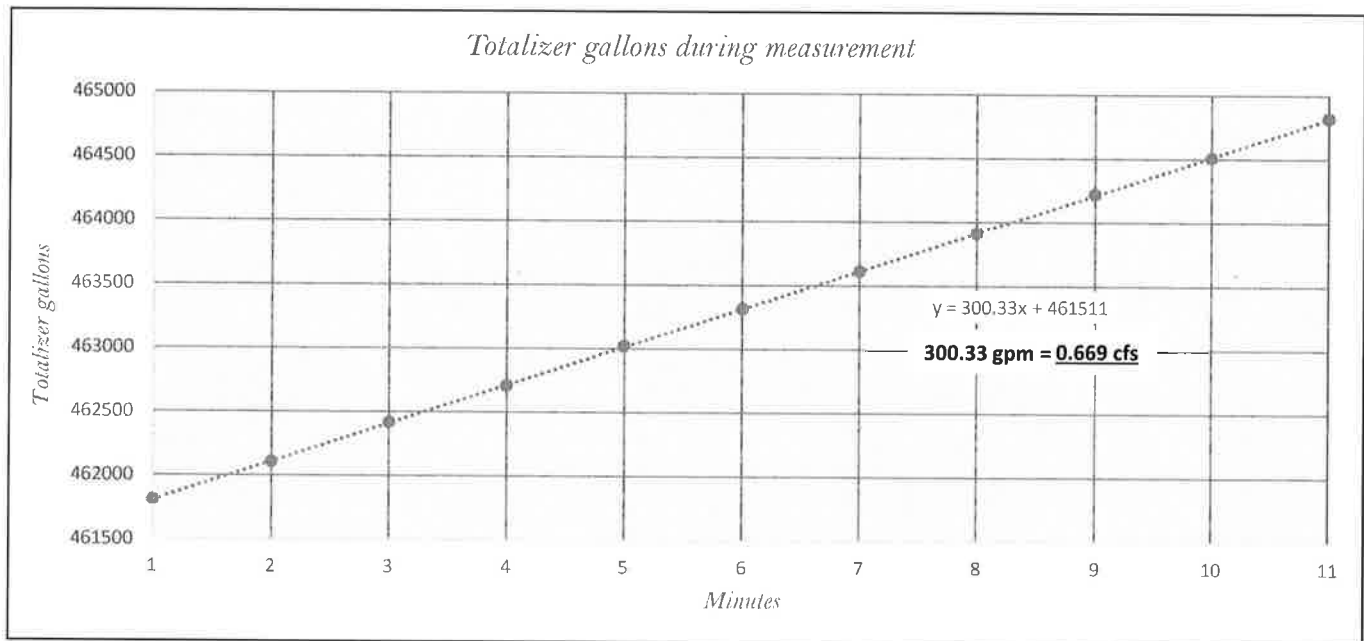


Figure 9 Gated pipe to irrigate
3 acres that the pivot can't hit.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

File Name: 63-33394 Pivot Measurement (w/out end gun)
Start Time: 4/26/2018 9:40
End Time: 4/26/2018 9:51
Interval: 60
Records: 11
Cyclic Flags: 2
Error Flags: 8208

Date/Time	Velocity (ft/s)	Volume (ft ³ /s)	(+)Total (gal)	Error #
4/26/2018 9:40	2.033736308	0.662797687	461814.2867	0
4/26/2018 9:41	2.046576631	0.666982367	462107.6338	0
4/26/2018 9:42	2.037178367	0.663919459	462417.1222	0
4/26/2018 9:43	2.051526717	0.668595608	462704.2469	0
4/26/2018 9:44	2.052109493	0.668785535	463016.0689	0
4/26/2018 9:45	2.046526954	0.666966177	463311.3862	0
4/26/2018 9:46	2.057257491	0.670463275	463610.0962	0
4/26/2018 9:47	2.055302632	0.669826184	463909.9632	0
4/26/2018 9:48	2.048102962	0.667479801	464221.4835	0
4/26/2018 9:49	2.060097147	0.671388723	464506.8555	0
4/26/2018 9:50	2.048318011	0.667549886	464818.4604	0



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

06N05W35

Basin/Seq	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-2322	UNITED SELIAH S	IRRIGATION				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2322	UNITED SWILSON	IRRIGATION				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-23410	FINLEY, J	GROUND STOCKWATER												X						
63-27026	WEBER, I	GROUND DOMESTIC											X							
63-27026	WEBER, I	GROUND STOCKWATER											X							
63-2878	BLACK C. ELIAH D.	IRRIGATION				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2878	BLACK C. WILSON	IRRIGATION				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-3307	HANSEN, GROUND	IRRIGATION		40	40			40	40											160
63-3315	BRANDT, GROUND	IRRIGATION					40									40	18	24		122
63-33289	BRANDT, GROUND	IRRIGATION		40	40			40	40											160
63-33290	BRANDT, GROUND	IRRIGATION					40									40	18	24		122
63-33291	BRANDT, GROUND	IRRIGATION		40	40			40	40											160
63-33292	BRANDT, GROUND	IRRIGATION					40									40	18	24		122
63-33394	WEBER, I	GROUND IRRIGATION								36	29	3	7							75
63-3547	BRANDT, GROUND	IRRIGATION					40									40	18	24		122
63-3581	BRANDT, GROUND	IRRIGATION					40									40	18	24		122
63-8244	DAKAN, I	GROUND IRRIGATION		40	40			40	40											160
63-8387	HIPWELL	GROUND IRRIGATION		40	40			40	40											160
65-2433	UNITED SPAYETTE	IRRIGATION				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
65-2900	BLACK C. TUNNEL	IRRIGATION				X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Same owner, different uses, no overlap

Irrigation district/Canal company, no surface water shares available

63

Form 238-7
6/07IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

860857

1. WELL TAG NO. D 0057998

Drilling Permit No. 912207 - 860857

Water right or injection well # 63-33394

2. OWNER: Craig Weber

Name

Address 30680 Shelton Rd

City Parma State ID Zip 83660

3. WELL LOCATION:

Twp. 6 North ☒ or South ☐ Rge. 5 East ☐ or West ☒

Sec. 35 NW 1/4 SE 1/4 NW 1/4

Gov't Lot Canyon

Lat. N 43 49.049 (Deg. and Decimal minutes)

Long. W 116 54.441 (Deg. and Decimal minutes)

Address of Well Site Off Shelton Rd, Home address is 30680

Shelton Rd City Parma

(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 Reverse

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite chips	0	397	60,000	Dry pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
16	+2	417	.375	Steel	☒	☐	☐	☒

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

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N MethodManufactured screen ☒ Y ☐ N Type Johnson Wire Wrap

Method of installation Lower in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
417	477	.030		16	S.S.	

Length of Headpipe Length of Tailpipe 5'

Packer ☐ Y ☒ N Type

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
#8-16 Sand	397	485	27,000	Dry pour

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) 170 Static water level (ft) 186'

Water temp. (°F) 60° Bottom hole temp. (°F)

Describe access port 2" pipe on side

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
68	1024	262

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
26	0	4	Top soil		X
26	4	15	Hard brown clay		X
26	15	41	Medium sand		X
26	41	60	Hard brown clay		X
26	60	83	Coarse sand, gravel		X
26	83	89	Brown, tan clay		X
26	89	101	Fine sand		X
26	101	164	Tan clay		X
26	164	170	Medium sand	X	
26	170	225	Tan clay w/ small sand streaks		X
26	225	236	Fine-medium sand	X	
26	236	254	Tan clay		X
26	254	275	Blue clay		X
26	275	278	Brown clay		X
26	278	293	Fine sand	X	
26	293	301	Tan clay		X
26	301	326	Fine-medium sand	X	
26	326	331	Tan clay		X
26	331	334	Fine sand	X	
26	334	337	Pink clay		X
26	337	350	Medium sand	X	
26	350	355	Tan clay		X
26	355	409	Blue clay		X
26	409	418	Fine sand	X	
26	418	422	Blue clay		X
26	422	434	Fine-coarse sand	X	
26	434	435	Brown clay		X
26	435	477	Medium-coarse sand	X	
26	477	485	Blue clay		X

Completed Depth (Measurable): 482'

Date Started: Apr 11, 2011

Date Completed: May 6, 2011

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 Riverside Inc

Co. No. 333

*Principal Driller

Date 5/24/11

*Driller

Date 5/17/11

*Operator II

Date

Operator I

Date 5/17/11

* Signature of Principal Driller and rig operator are required.

RECEIVED

MAY 26 2011



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

CRAIG WEBER
30680 SHELTON RD
PARMA ID 83660

RE: Water right permit no. 63-33394

Dear Permit Holder:

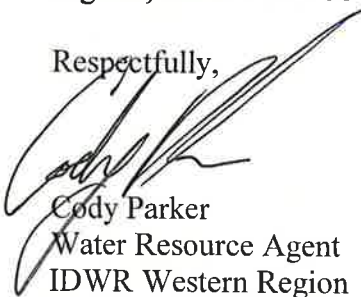
We are planning to conduct water right examinations in the vicinity of the permit referenced above **this season**. An examination is needed to verify the water use in order to issue a water right license.

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