

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 67-08020
Exam Date: 7/31/2017

1. Current Owner:
BOYD L HARMS 1500 E MAIN WEISER ID 83672 (208) 539-6329 And
PAMELA A HARMS 1500 E MAIN WEISER ID 83672 (208) 536-6329

2. Accompanied by: Travis Retherford
Phone No: 208-355-5722 OR 208-539-5722
Address:
Relationship to Permit Holder: Son in law, Farmer

3. **SOURCE:**
GROUND WATER

TRIBUTARY:**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 67-7108
2. Other water rights with the same point-of-diversion: 67-7108 and 67-15123

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼SW¼ Sec. 21, Twp 13N, Rge 01W, B.M. WASHINGTON County

Method of Determination: Garmin GPS collected on site: 44d 26.39, -116d 28.278. Data point compared to digital PLSS map

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13N	01W	16													39.0		39.0	39.0	117.0
13N	01W	20															6.0	37.0	43.0
13N	01W	21	19.0	37.0	39.0		8.0			20.0	38.0	6.0	32.0	12.0		30.0			241.0

Total Acres: 401

Method of Determination: POU shape made using aerial imager. Area measured using ArcMap tools.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

 X

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

 X

1:24,000 or greater.

 X

Aerial Photo Attached (required for irrigation of 10+ acres).

 X

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
	GE	200	33112282	Unknown	

*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
Closed Conduit	Ultra-Sonic	GE	PT878		402 Mhtz	3/28/2017

2. Measurements: Measurements collected at pivot points since buried mainline unavailable.

E. FLOW

_____ Additional Computation Sheets Attached

CALCULATIONS

Measured Method: GE Panametrics

Sec 16 pivot: 1.01 cfs or 453.3 gpm (Rated @ 600.18 gpm) 75.5%

Sec 21 pivot: 2.54 cfs or 1140.0 gpm (Rated @ 1250.85 gpm) 91.1%

Sec 20 pivot: Not measured Rated @ 300.89 gpm or 0.67 cfs

Total pivot diversion = 1.01 cfs + 2.54 cfs + 0.67 cfs = **4.22 cfs**

Permit	11.02 cfs
B.U. Standard Allowance	401 ac * 0.02 cfs/ac = 8.02 cfs
B. U. Proof Fee	\$375 → 11.01 to 12.00 cfs
Measurement Rate	4.22 cfs
Additional B.U.	4.22 cfs – 3.16 cfs = 1.06
License Recommendation	1.06 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 401 \text{ ac} \times 4.0 \text{ af/ac} = 1604 \text{ af}$ $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.06 \times 231 \times 1.9835 = 485.7 \text{ af}$ $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \mathbf{485.7 \text{ af}}$

2. Volume Calculations for Other Uses: None.

G. NARRATIVE/REMARKS/COMMENTS

This permit was issued to a Milton Meyer, who filed the application for permit to add water to his existing water right 67-7108. Water right 67-7108 is still in Mr. Meyer's name, and is a direct overlap to permit 67-8020. Proof was submitted by Mr. Meyer in 2003, and an assignment of permit has been received to place the permit in the name of Boyd Harms.

The field exam was conducted by agent Patrick Kelly and was accompanied by Travis Retherford on July 31, 2017. Mr. Retherford is a son-in-law to current owner Boyd Harms. Mr. Retherford currently lives on the property and will someday purchase/inherit the farm from Mr. Harms. At this time, ownership is still correct in the name of the property owner.

Travis escorted me about the property. The current irrigation system uses 3 pivots and a hand line system. At the time the permit was filed and proof was submitted, the farm did not have pivots. Travis said that they switched from the old diesel motor to electrical about 3 years ago. The old diesel pumped at a much higher diversion rate that was able to support water across the entire farm. Today, the electrical system is capable of running the three pivots at one time, but nothing more.

The well was drilled for Milton Meyer in 1977. This is the only well within the SW¼ of Section 21. POD overlap review finds two other water rights with a ground water diversion. 67-7108 (described above), and 67-15123 (a previous split of 67-7108). Right 67-15123 is in the name of McDonald, who is the southern neighbor. Mr. Retherford confirmed that the McDonalds

used to get their irrigation water from the well, but stopped doing so years ago. The McDonalds have not yet filed a transfer for their diversion. The McDonald right is not being considered as part of the combined use limit since they are completely separate farms, and I was unable to measure the maximum diversion rate from the well at the time of the exam.

CUL: The permit POU is completely covered by the existing water right 67-7108 which authorizes 617 acres. ArcMap tools measures an irrigation use of 401 acres today. The maximum rate of all three pivots is a measured/estimated 4.22 cfs. (2 of the three pivots were measured). Instead of making a combined use limit for the rate, the permit will be licensed for only additional beneficial use (1.06 cfs) on 401 acres, and carry a 617 acre combined use limit.

The well log was correlated in ArcMap to match the GPS point collected on site.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	4/01 to 10/31	1.06 CFS	485.7 AF
	<u>Totals:</u>	1.06 CFS	485.7 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

Field Examiner's Name Patrick Kelly Date 7-31-2017

Reviewer _____ Date _____

67-8020 System Diagram

● 67-8020 POD

□ 67-8020 POU

● Pivot Points

--- Buried Mainline

□ Township/Range

□ Sections

□ QQ

□ Regions

2015 (1 meter)

RGB

Red: Red

Green: Green

Blue: Blue



13N01W

16

15

20

21

22

29

28

27

0 0.075 0.15 0.3 Miles

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name MILTON L. MEYERAddress INDIAN VALLEY, IDAHO 83632

Owner's Permit No. _____

7. WATER LEVEL

Static water level 39.9 feet below land surfaceFlowing? ☐ Yes ☒ No G.P.M. flow _____Temperature 60 ° F. Quality EXCELLENT

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
2200 (FINAL DEPTH)	51 FT	5.5
136 (483 FT. WELL)	56 FT OR 211 FT	4.25 HRS.
250 (1003 FT. WELL)	9 FT	13 HRS

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type) _____☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
24"	0	136			
20"	136	211			
16"	211	513			
12"	513	1049			
	0	16	YELLOW CLAY		
	16	29	YELLOW-GREY CLAYEY SAND	X	
	29	32	SOFT GREY SILT	X	
	32	35	GREY CLAY	X	
	35	49	GREY-BROWN (MOTTLED) SILTY SAND	X	
	49	55	GREY SILTY WATER SAND	X	
	55	119	GREY CLAYS AND SILTS	X	
	119	137	MOTTLED BROWN-GREY CLAY WITH HIGH ORGANIC (DECOMPOSED WOOD)		
			CONTENT	X	
	137	149	GREEN-YELLOW CLAY		X
	149	151	BROWN ORGANIC CLAY		X
	151	189	MOTTLED BROWN-BLUE CLAY		X
	189	191	BROWN SAND	X	
	191	204	GREY CLAY		X
	204	260	GREY BASALT		X
	260	338	GREY BASALT, CREVICED		X
	338	339	SAND, BLACK		X
	339	391	GREY BASALT, VERY HARD		X
	391	445	BROWN BASALT, VERY HARD		X
	445	453	BROWN BURNED CLAY		X
	453	464	GREY BASALT		X
	464	464.5	GRAVEL		X
	464.5	528	GREY BASALT		X
			(CREVICES AT 484.7; 486.3; 501; 507.4; 523; 524; 525)	X	X
	528	542	RED BURNED CLAY	X	X
	542	554	RED BASALT SHADING INTO BROWN		
	554	565	BROWN BASALT, VERY HARD		X
	565	572	BROWN BASALT, SOFTER		
			CREVICES AT 569; 571	X	
	572	585	BROWN BASALT, VERY HARD		X
	585	591	BROWN BURNED		X

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 16.12 inches Total depth 1049 feetCasing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
0.250 inches	24	0	18
0.250 inches	20	18	161.6
0.250 inches	16	161.6	211.56

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☒ Yes ☐ NoPerforated? ☒ SURFACE ☐ Yes ☐ NoHow perforated? ☒ Factory ☐ Knife ☐ TorchSize of perforation 1/8 inches by 3 inches

Number	From	To
7680	0	160
2288	68	211

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

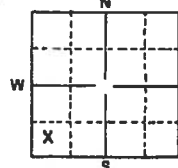
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☒ Yes ☐ No Size of gravel 3/8 MINUSPlaced from 0 feet to 160 FT AROUND 204Surface seal depth 18 150 FT 211 FT AROUND 16"Material used in seal ☐ Cement grout☒ Pudding clay ☐ Well cuttingsSealing procedure used ☒ Sherry pit

6. LOCATION OF WELL

Sketch map location must agree with written location.

County WASHINGTON

SW 1/4 SW 1/4 Sec. 21, T. 13N N/S, R. 1W E/W

Department of Water Resources
Western Regional Office

Subdivision Name _____

Lot No. _____ Block No. _____

Work started _____ finished _____

I. DRILLERS CERTIFICATION

Firm Name _____ Firm No. _____

Address _____ Date _____

Signed by (Firm Official) _____

and

(Operator) RECEIVED

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name MILTON L. MEYERAddress INDIAN VALLEY, IDAHO 83632

Owner's Permit No. _____

2. NATURE OF WORK

- ☐ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

- ☐ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

- ☐ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole _____ inches Total depth _____ feet
Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

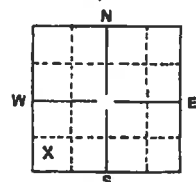
Gravel packed? ☐ Yes ☐ No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth _____ Material used in seal ☐ Cement grout
☐ Pudding clay ☐ Well cuttings

Sealing procedure used ☐ Sherry pit ☐ Temporary surface casing
☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County _____ WASHINGTON

SW ¼ SW ¼ Sec. 21, T. 13N N/S, R. 1W E/W

7. WATER LEVEL

Static water level _____ feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
12"	591	627	BLACK BASALT, GREYVIGES AT		
			593-596, 613-615, 615	x	x
	627	627+	BLACK GRAVEL ON TOP OF	x	
			RED BURNT		
	627	731	GREY BASALT, GREYVIGES AT		
			663, 720, 721, 723	x	x
	731	736	RUBBLE, GREYVIGES	x	
	736	741	GREY BASALT		x
	741	761	RED BURNT	x	x
	761	868	GREY BASALT		x
	868	876	GREYVIGES, SAND, GRAVEL, RUBBLE	x	
	876	893	GREY BASALT, VERY HARD		x
	893	898	GREY BASALT, FRACTURED	x	
	898	906	GREY BASALT		x
	906	928	GREY PINHOLE BASALT	x	
	928	946	GREY B., FRACTURED, SAND &		
			GRAVEL, CAVING	x	
	946	952	GREY B.		x
	952	953	FRACTURED	x	
	953	1022	GREY B., GREYVIGES AT 1008	x	x
	1022	1022+	RED SAND, CINDERS, GREYVIGES	x	
	1022	1028	12" 12" BILT AND ATTACHED PIECE OF BOX		
8"			COLLAR--7 3/16" OD X 0.21" LONG		
			6.12 FT COMPOSITE LENGTH		
			TOP LAYING INTO GREYVIGES		
	1022+	1026	FRACTURED RED BASALT	x	
	1026	1049	GREY BASALT		x
			REGISTERED		
			APR 24 1977		
			Department of Water Resources		
			Western Regional Office		

10.

Work started DEC 8, 1977 finished MARCH 21, 1979

11. DRILLERS CERTIFICATION

Firm Name ARTESIAN CO. Firm No. 318

STAR RT. B, BOX 19A

Address MOUNTAIN HOME, IDAHO 83617 Date APR 11 23,
1979Signed by (Firm Official) HUGH HARDEN

and

(Operator) Hugh Harden

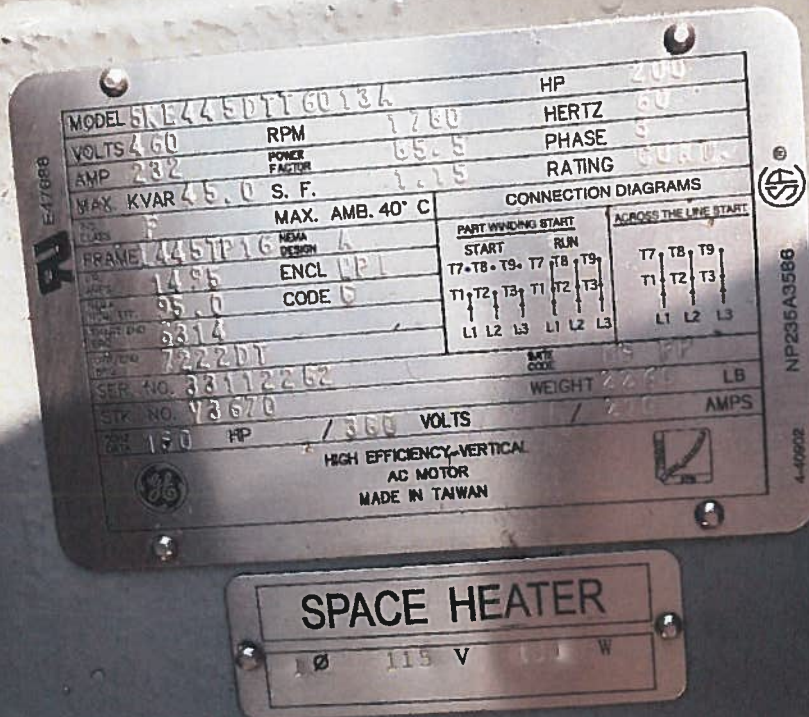


POD
44d 26.390,
-116d 28.278

Well was drilled by
Artesian Co in 1977.

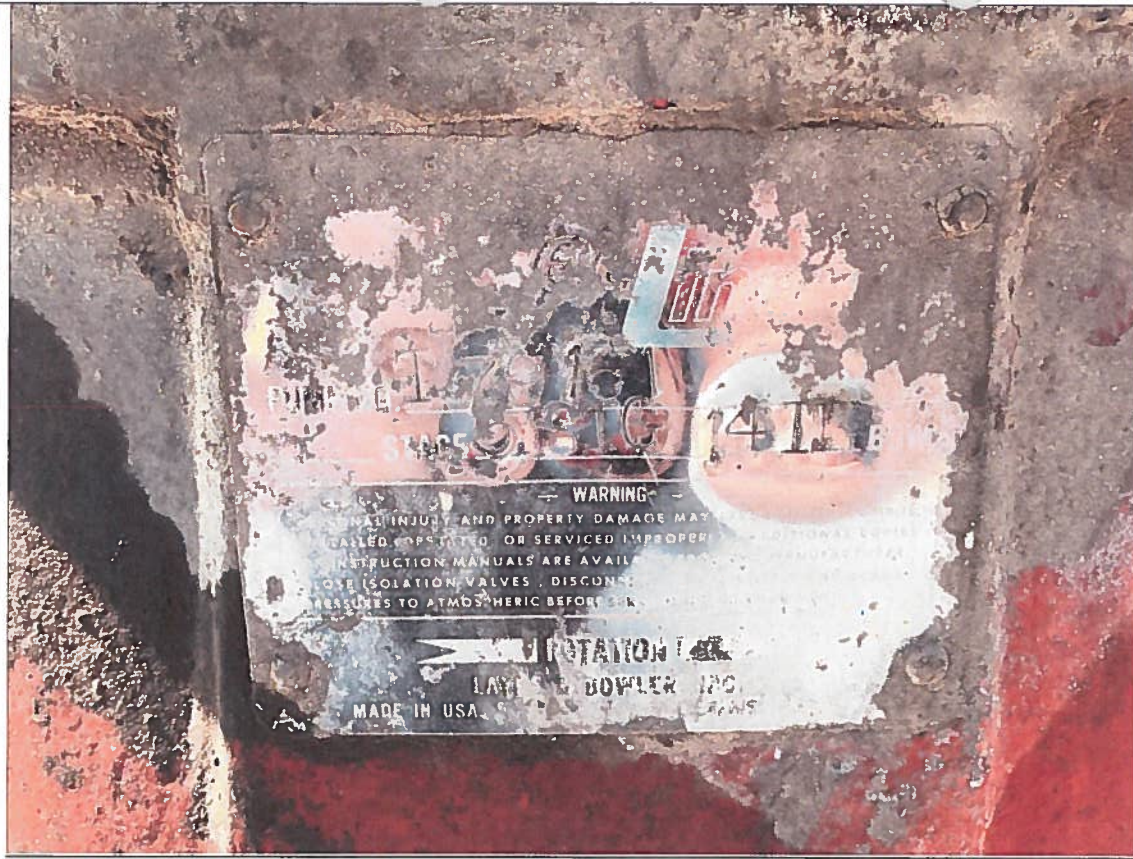
Discharge through the
right valve delivers
water to Sec 20 pivot.
Left valve delivers to
the other 2 pivots and
handlines (majority).

Power box shown on
left. Recently switched
from diesel to electric
approximately 3 years
ago.



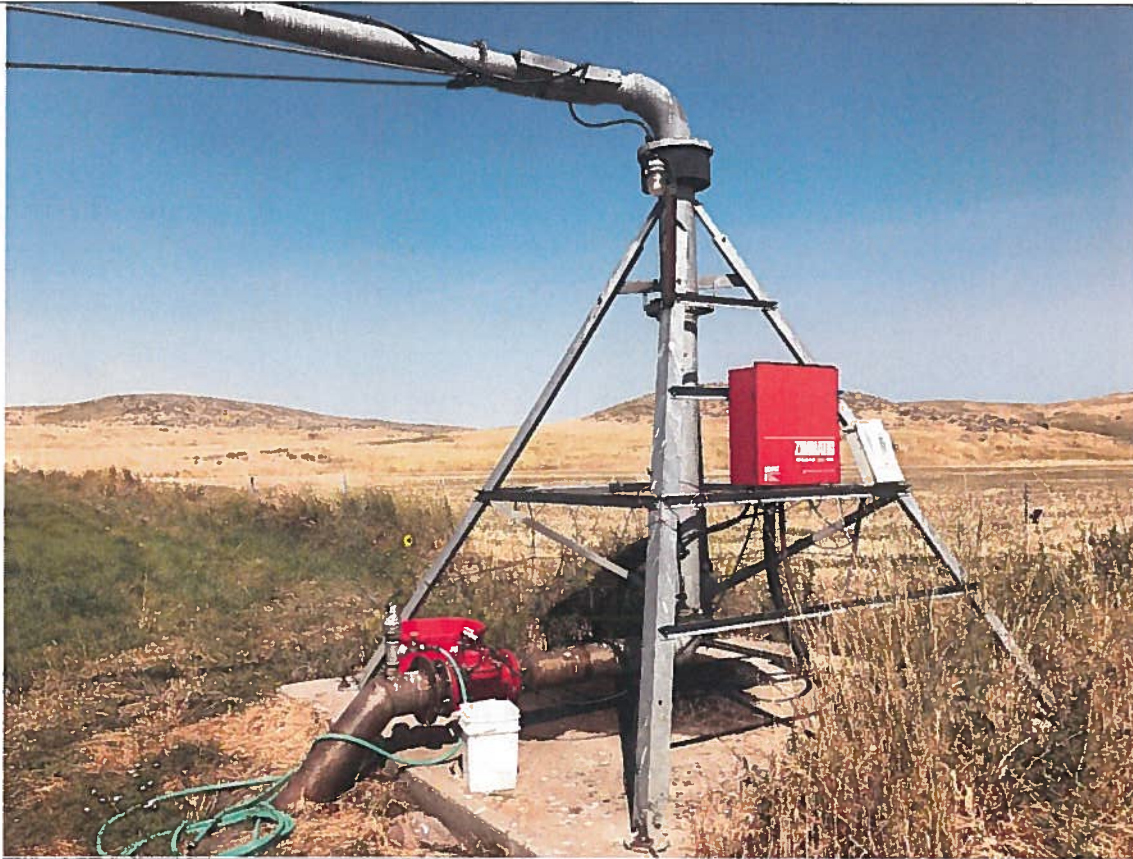
Motor plate

GE motor
Model:
SKE445DTT6013A
HP: 200
PHASE: 3
SN: 33112282



Pump plate

Unable to collect information.



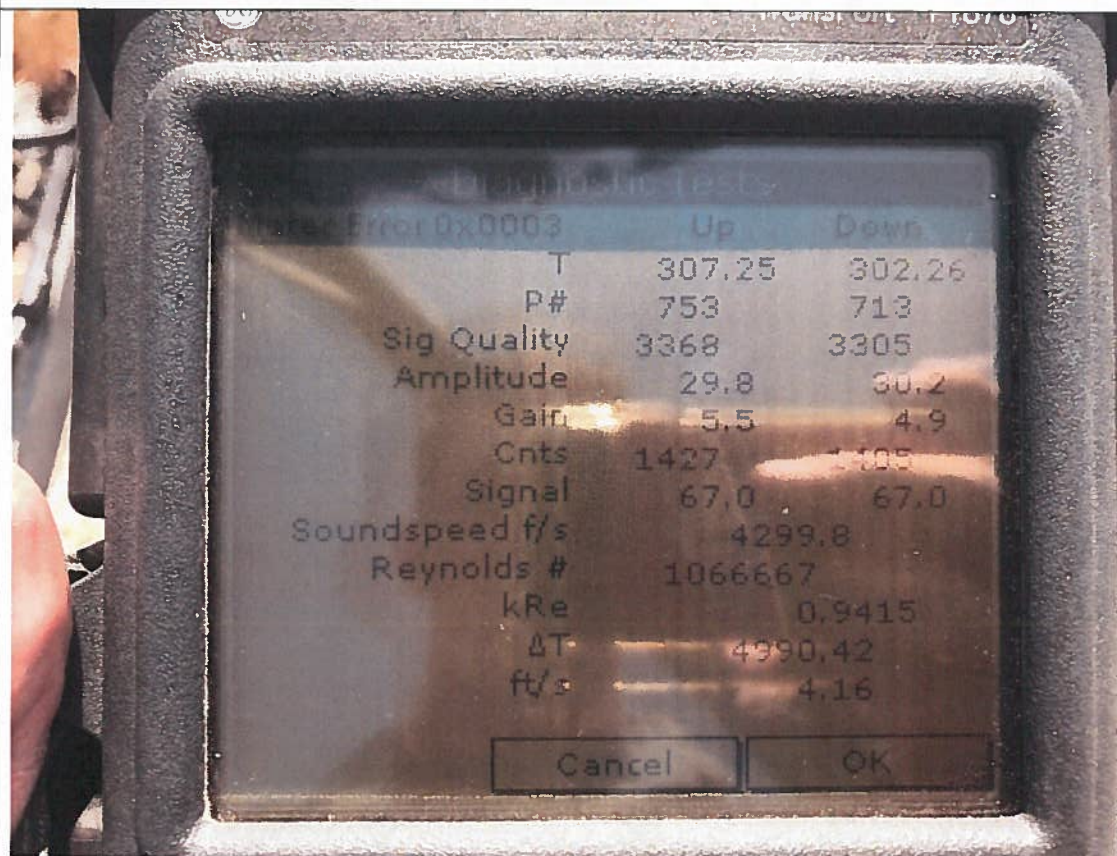
Pivot point at north end of farm, Sec 16.

7 section pivot.



Sec 16 pivot measurement.

1.01 cfs avg



Sec 16 pivot measurement.

Diagnostics:
P#: >700
Sig Quality: >3300
Signal: 67
Sound Spd: 4300 ft/s

All within range of acceptable parameters for testing.

HNW-30264

JUNE 26, 2015

DEALER - A & G IRRIGATION

IRRIGATOR - BOYD HARMS
FIELD NO - 7 TOWER GEN II

TOTAL LENGTH PIPE = 1300.47
GPM UNDER PIPE = 511.50
ACRES UNDER PIPE = 121.97
RANGE OF ENDGUN = 102.87
GPM OF ENDGUN = 88.67
ACRES UNDER ENDGUN = 20.06
WATERING LENGTH = 1403.34

SYSTEM PRESSURE = 55 PSI
TOTAL GPM = 600.18

MOTOR SIZE (HP) = 3/4
LOADED MOTOR RPM = 1750
CENTER GEAR BOX RATIO = 40
WHEEL GEAR BOX RATIO = 50
TIRE SIZE = 14.9 X 24
LAST TOWER SPEED (FPM) = 10.20

HNW
7

PRECIPITATION DATA FIGURED WITH ENDGUN RUNNING

PRECIPITATION BASED			% TIMER BASED		
PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.12	100.00	12.89 - 774 min	100.00	.12	12.89 - 774 min
.20	59.74	21.58	90.00	.13	14.33
.25	47.79	26.98	80.00	.15	16.12
.30	39.83	32.38	70.00	.17	18.42
.40	29.87	43.17	60.00	.20	21.49
.50	23.90	53.96	50.00	.24	25.79
.60	19.91	64.75	45.00	.27	28.66
.70	17.07	75.54	40.00	.30	32.24
.75	15.93	80.94	35.00	.34	36.84
.80	14.94	86.34	30.00	.40	42.98
.90	13.28	97.13	25.00	.48	51.58
1.00	11.95	107.92	20.00	.60	64.47
1.25	9.56	134.90	15.00	.80	85.97
1.50	7.97	161.88	10.00	1.19	128.95
1.75	6.83	188.86	5.00	2.39	257.90

CAUTION: The relationship between precipitation rate, timer setting, and hours per revolution provided above are theoretical numbers based on the data list at the top of the page. Actual precipitation rates may vary due to the following field and machine conditions: wind drift; evaporation; tire slippage, tire loaded radius; drive train efficiency; elevation changes; soil type. Due to these varying field and machine conditions the above chart should be used as a guide only.

Sec 16 Precipitation Chart

Rated at 600.18 gpm



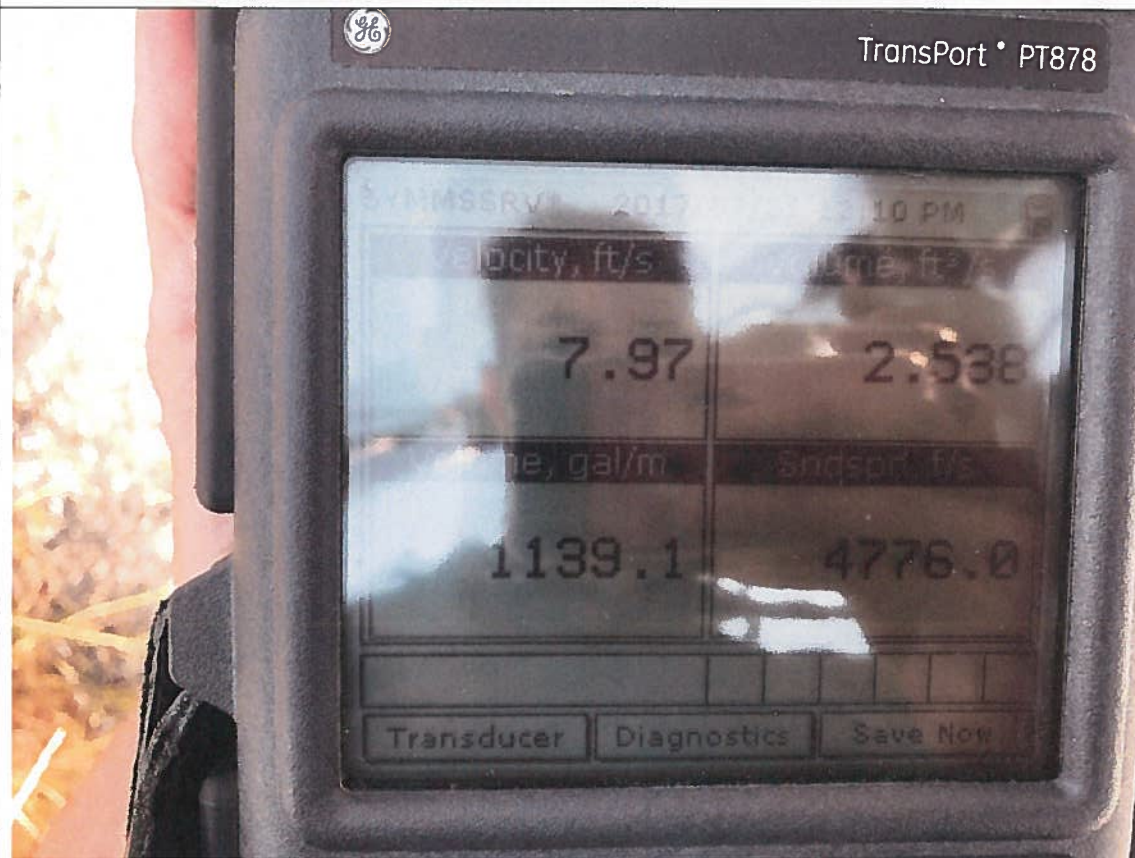
Sec 16 pivot POU.



Sec 21 pivot point

POU shown in background.

11 section pivot.



Sec 21 pivot measurement.

2.54 cfs avg.

TransPort • PT878

Water Error 0x0000

T 20.0 296.95

P# 514

Sig Quality 37.5 3655

Amplitude 20.1 20.2

Gain 0.0 0.0

Cnts 1234 1225

Signal 67.3 67.3

Sound Spd f/s 4776.2

olds # 4745

kRz 0.9372

AT 39.18

ft/s 7.38

Cancel OK

Sec 16 pivot measurement.

Diagnostics:

P#: 517

Sig Quality: >3600

Signal: 67

Sound Spd: 4776 ft/s

All within range of acceptable parameters for testing.

PRECIPITATION CHART

JANUARY 28, 2015

WISHNW-29175

DEALER - A & G IRRIGATION

IRRIGATOR - BOYD HARMS
FIELD NO - 11 TOWER

TOTAL LENGTH PIPE = 1972.47
GPM UNDER PIPE = 1124.52
ACRES UNDER PIPE = 280.60
RANGE OF ENDGUN = 106.42
GPM OF ENDGUN = 126.33
ACRES UNDER ENDGUN = 31.09
WATERING LENGTH = 2078.89

SYSTEM PRESSURE = 70 PSI
TOTAL GPM = 1250.85

MOTOR SIZE (HP) = 3/4
LOADED MOTOR RPM = 1750
CENTER GEAR BOX RATIO = 40
WHEEL GEAR BOX RATIO = 50
TIRE SIZE = 14.9 X 24
LAST TOWER SPEED (FPM) = 10.20

PRECIPITATION DATA FIGURED WITH ENDGUN RUNNING

PRECIPITATION BASED			% TIMER BASED		
PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.18	100.00	19.79 - 1188 min	100.00	.18	19.79 - 1188 min
.20	87.64	22.59	90.00	.19	21.99
.25	70.11	28.23	80.00	.22	24.74
.30	58.43	33.88	70.00	.25	28.28
.40	43.82	45.17	60.00	.29	32.99
.50	35.06	56.46	50.00	.35	39.59
.60	29.21	67.76	45.00	.39	43.99
.70	25.04	79.05	40.00	.44	49.49
.75	23.37	84.70	35.00	.50	56.55
.80	21.91	90.34	30.00	.58	65.98
.90	19.48	101.64	25.00	.70	79.18
1.00	17.53	112.93	20.00	.88	98.97
1.25	14.02	141.16	15.00	1.17	131.96
1.50	11.69	169.39	10.00	1.75	197.94
1.75	10.02	197.63	5.00	3.51	395.88

NOTION: The relationship between precipitation rate, timer setting, and hours per revolution provided above are theoretical numbers based on the data list at the top of the page. Actual precipitation rates may vary due to the following field and machine conditions: wind drift; evaporation; tire slippage, tire loaded radius; drive train efficiency; elevation changes; soil type. Due to these varying field and machine conditions the above chart should be used as a guide only.

Sec 16 Precipitation Chart

Rated at 1250.85 gpm

DEALER - A & G IRRIGATION

IRRIGATOR - BOYD HARMS
FIELD NO - 3 TWR MINI

TOTAL LENGTH PIPE = 452.47
GPM UNDER PIPE = 178.28
ACRES UNDER PIPE = 14.77
RANGE OF ENDGUN = 113.89
GPM OF ENDGUN = 122.62
ACRES UNDER ENDGUN = 8.37
WATERING LENGTH = 566.36

SYSTEM PRESSURE = 50 PSI
TOTAL GPM = 300.89

MOTOR SIZE (HP) = 3/4
LOADED MOTOR RPM = 1750
CENTER GEAR BOX RATIO = 40
WHEEL GEAR BOX RATIO = 50
TIRE SIZE = 14.9 X 24
LAST TOWER SPEED (FPM) = 10.20

PRECIPITATION DATA FIGURED WITH ENDGUN RUNNING

PRECIPITATION BASED			% TIMER BASED		
PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.11	100.00	4.19 - 251 min	100.00	.11	4.19 - 251 min
.20	55.88	7.50	90.00	.12	4.65
.25	44.70	9.37	80.00	.14	5.24
.30	37.25	11.25	70.00	.16	5.98
.40	27.94	14.99	60.00	.19	6.98
.50	22.35	18.74	50.00	.22	8.38
.60	18.63	22.49	45.00	.25	9.31
.70	15.96	26.24	40.00	.28	10.47
.75	14.90	28.11	35.00	.32	11.97
.80	13.97	29.99	30.00	.37	13.96
.90	12.42	33.74	25.00	.45	16.76
1.00	11.18	37.48	20.00	.56	20.94
1.25	8.94	46.85	15.00	.75	27.93
1.50	7.45	56.23	10.00	1.12	41.89
1.75	6.39	65.60	5.00	2.24	83.78

NOTE: The relationship between precipitation rate, timer setting, and hours per revolution provided above are theoretical numbers based on the data list at the top of the page. Actual precipitation rates may vary due to the following field and machine conditions: wind drift; evaporation; tire slippage, tire loaded radius; drive train efficiency; elevation changes; soil type. Due to these varying field and machine conditions the above chart should be used as a guide only.

Sec 20 Precipitation Chart

Rated at 300.89 gpm

This pivot was not measured during exam.





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

April 19, 2017

COPY

BOYD AND PAMELA HARMS
1500 E MAIN
WEISER ID 83672

RE: Scheduling Field Exam for Water Right Permit No. 67-8020

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 **11.02 cfs of GROUND WATER 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,

Patrick Kelly
Water Resource Agent, Sr.

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