

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 57-11621

Exam Date:
7/12/2012

1. Current Owner: JOHN D EDWARDS

And/Or

DEBORAH S EDWARDS
15804 TYSON RD
MURPHY ID 83650
(208)834-2080

2. Accompanied by: Doug Hipwell
Phone No: 208-834-2620
Address: same as above
Relationship to Permit Holder: Son-in-law/Farm Manager

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 57-1B, 57-2236, 57-2295, 57-11622
2. Other water rights with the same point of diversion: 57-2236, 57-2295

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER SW1/4SE1/4 Sec. 15, Twp 03S, Rge 01W, B.M. OWYHEE County
GROUND WATER NE1/4NW1/4 Sec. 22, Twp 03S, Rge 01W, B.M. OWYHEE County

Method of Determination: GPS and visual inspection.

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
03S 01W 14									5.9	30.0							35.9
03S 01W 15												18.0	.6	1.3	37.0	39.0	95.9
03S 01W 22	29.0	32.0	4.3	10.0	30.0			.6									105.9
03S 01W 23						15.0	8.9										23.9

Total Acres: 261.6

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
03S 01W 14									X	X							
03S 01W 15												X	X	X	X	X	
03S 01W 22	X	X	X	X	X			X									
03S 01W 23						X	X										

Method of Determination: GIS and visual inspection.

3. yes Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- yes Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- yes Aerial Photo Attached (required for irrigation of 10+ acres).
- yes 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
A0016967	US Electric	75	3493570	Berkeley Model 1004H-5	8" pipe out, 1800 rpm, s/n 11898
A0016968	High Thrust	60	D12512	Layne & Bowler	10" pipe out, 1800 rpm
Booster Pump	Baldor	25	Z0410070041	JPM516T	3500 rpm
Booster Pump	Baldor	50	Z0404050127	JPM2542t	3500 rpm
Booster Pump	Baldor	50	Z0305120014	JPM2542t	3500 rpm

**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
Theoretical						

2. Measurements: See attached theoretical calculation sheets.

E. FLOW CALCULATIONSX Additional Computation Sheets Attached

Measured Method:

Theoretical = 7.42 cfs

Permit limit = 2.26 cfs

70.6 acres x .02 cfs/acre = 1.41 cfs

Recommend 1.41 cfs, not to exceed 5.14 cfs when combined with all water rights.**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

 $V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 70.6 \times 4.5 = 317.7 \text{ AF}$

I.R.

 $V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.41 \times 260 \times 1.9835 = 727.2 \text{ AF}$

D.R.

 $V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = \underline{317.7 \text{ AF}}$

2. Volume Calculations for Other Uses:

Stockwater = $200 \text{ head} \times 12 \text{ gal/day} \times 360 \text{ days} \div 325850 = \underline{2.7 \text{ AF}}$ **G. NARRATIVE/REMARKS/COMMENTS**

The land described in this permit has prior water right licenses that left out parts of the irrigated land. This permit allows for irrigation of those areas.

There are two wells supplying water to this land. The western most well (referred to as Well #1) was identified by GPS location and tagged A0016967. The eastern well (referred to as Well #2) was identified by GPS location and tagged A0016968. Well #2 was hit by lightning a few days before our visit and had not been repaired yet. In addition, well #2 is in a different QQ than listed on the permit so an amendment is needed prior to issuing a license.

Water is pumped from the two wells into a holding tank. (Additional Sinker Creek water can enter the tank but is covered under Permit # 57-11622. I suggest licensing these two permits at the same time). From the holding tank, three separate booster pumps supply water to different acres. Two of the booster pumps are 50 hp and the third is 25 hp. One 50 hp booster pump and the 25 hp booster pump feed the pivot and hand lines north of Sinker Creek. The second 50 hp booster pump feeds hand lines on the south side of Sinker Creek.

Well #1 – This well is located next to the holding tank. The motor is a 75 hp US Electric, serial number 3493570. The pump is a Berkeley model 1004, s/n 11898 running 1800 rpm. The discharge pipe out of the pump is 8 inches in diameter. The pump was not running at the time of the field inspection so information was collected to allow a theoretical computation.

Well #2 – This well is identified on the permit as T3S, R1W, Sec 15, SESW. The GPS location places the well at T3S, R2W, Sec 15, SWSE so an amendment will need to be obtained prior to issuing the license. The owner

indicated the pump was hit by lightning earlier a few days before our field exam. Information was collected to allow a theoretical computation on this well also. The motor is a 60 hp High Thrust, serial number D12512. The pump is a Layne & Bowler running 1800 rpm. The discharge pipe out of the pump is 10 inches in diameter.

The 25 hp booster pump supplying water to the north fields is a Baldor Motor, 3500 rpm, s/n Z0410070041. The 50 hp booster pump supplying water to the north fields is also a Baldor Motor, 3500 rpm, s/n Z0404050127.

The 50 hp booster pump supplying water to the south field is a Baldor Motor, 3500 rpm, s/n Z0305120014.

The owner grazes 200 head of cattle on the land after farming. During the growing season, the cattle are moved up to BLM land to pasture.

Water Right 57-2236 allows for 160 acres and 57-2295 allows for 31 acres for a total of 191 acres. A total of 261.6 acres were found to be irrigated, leaving 70.6 acres that can be licensed under this permit.

Have conditions of permit approval been met? ____ Yes ____ X No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/01 to 11/15	1.410 CFS	317.7 AF
STOCKWATER	01/01 to 12/31	0.050 CFS	2.70 AF
	<u>Totals:</u>	2.260 CFS	

2. Recommended Amendments

X Change P.D. as reflected above ____ Add P.D. as reflected above ____ None

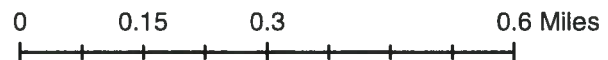
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

I. AUTHENTICATION

Field Examiner's Name Alan Gushin Date July 31, 2012

Reviewer _____ Date _____

Water Service Area Boundary for John D Edwards

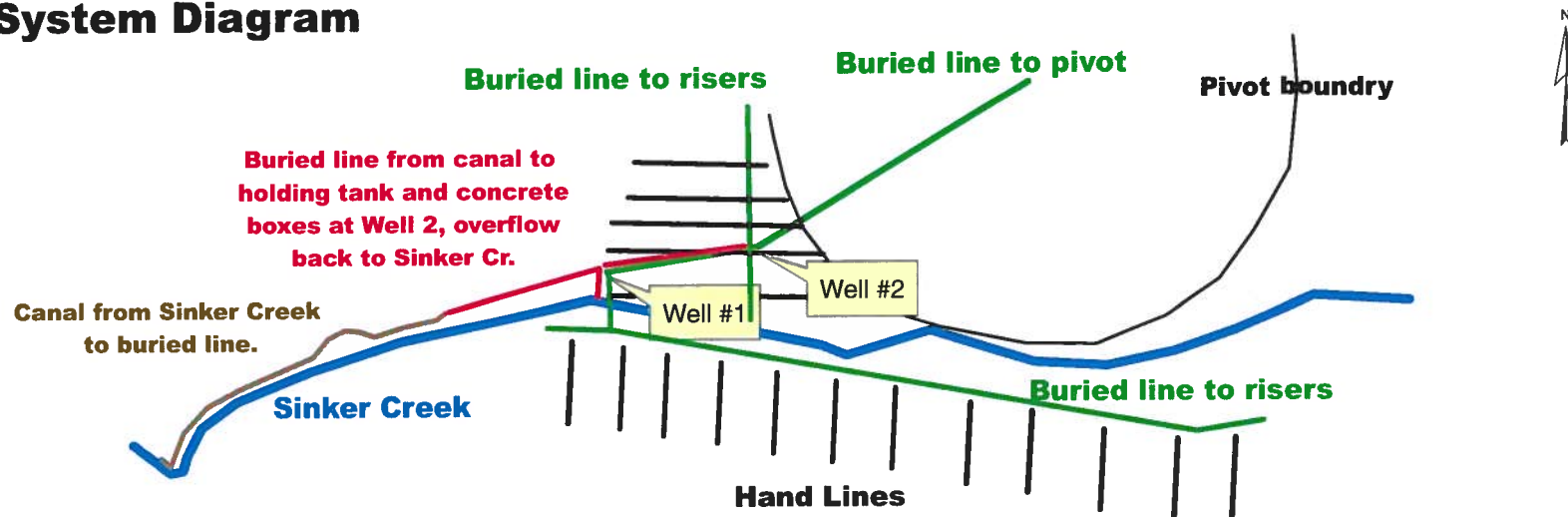


-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters



Field Exam Map for 57-11621

System Diagram



This permit covers the groundwater component of the system (colors Green and Black). The surface water component is covered under 57-11622 (colors Brown, Red and Black).

There are two wells supplying water to this land. The western most well (Well #1) supplies water to a holding tank located next to the well. The eastern well (Well #2) supplies water to the same holding tank. Well #2 was hit by lightning a few days before our visit and had not been repaired yet. In addition, well #2 is in a different QQ than listed on the permit so an amendment is needed prior to issuing a license.

From the holding tank, three separate booster pumps supply water to different acres. Two of the booster pumps are 50 hp and the third is 25 hp. One 50 hp booster pump and the 25 hp booster pump feed the pivot and hand lines north of Sinker Creek. The second 50 hp booster pump feeds hand lines on the south side of Sinker Creek.

(Additional Sinker Creek water can enter the tank but is covered under Permit # 57-11622 for surface water. I suggest licensing these two permits at the same time).

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 57-11621

Condition Review

Conditions of Approval:

- ~~1. 046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.~~
 - ~~2. 104 If the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use, this right to divert groundwater shall not be used without an approved transfer pursuant to Section 42-222, Idaho Code, or approval of the Department if a transfer is not required.~~
 - ADD 105** If the surface water right(s) **57-1B, 57-11622** appurtenant to the place of use is **are** abandoned, forfeited, sold, transferred, leased or used on any other place of use, this right to divert ground water shall not be used for irrigation purposes without an approved transfer pursuant to Section 42-222, Idaho Code, or approval of the Department if a transfer is not required.
 3. **R65** This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.5 afa per acre at the field headgate for irrigation of the lands above.
 - ~~4. X02 Stockwater use is for 200 cattle & horses.~~
 - ~~5. 103 121 The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.~~
 6. **065** The right holder shall use the full allotment of **57-1B, 57-11622** appurtenant surface water rights in conjunction with ground water diverted under this right and shall only divert ground water under this right when water from the appurtenant surface water rights cannot be delivered to the right holder.
 7. **X27** This right is limited to the irrigation of ~~443~~ **70.6** acres within the place of use described above in a single irrigation season.
 8. **X35** Rights 57-1B, 57-2236, 57-2295, and 57-11621, **and 57-11622** when combined shall not exceed a total diversion rate of 5.14 cfs, **a total annual maximum diversion volume of 1177 af,** and the irrigation of ~~304~~ **261.6** acres.
 - ~~9. 26A Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.~~
 10. **01M** After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
 - ~~11. 068 This permit does not authorize the deepening or enlargement of any existing well.~~
- ADD** The stockwater use under this right shall not exceed 2.7 af per year.

Notes: Permit 57-11621 limits 57-1B, 57-2236, 57-2295, and 57-11621, to 5.14 cfs and 304 acres.
Permit 57-11622 limits 57-1B, 57-2236, 57-2295, and 57-11622, to 5.14 cfs and 304 acres.

Since permit 57-11321 and 57-11322 were permitted at the same time, I am not sure why all 5 rights (57-1B, 57-2236, 57-2295, 57-11621, and 57-11622) were not limited together. Because they were not all limited together, it would lend to the idea that when all 5 rights were used in combination, the diversion rate limit could exceed 5.14 cfs. However, the supplemental language on permit 57-11321 states that:

The right holder shall use the **full allotment of the appurtenant surface water rights** in conjunction with ground water diverted under this right and **shall only divert ground water under this right when water from the appurtenant surface water rights cannot be delivered** to the right holder.

I interpret this language to mean that the surface water and supplemental ground water cannot be used together to provide a greater diversion rate than what is authorized by the primary surface water rights which is 5.14 cfs. So, combine use condition limiting total diversion rate to 5.14 cfs on both 57-11621 and 57-11622 will include all 5 overlapping rights rights (57-1B, 57-2236, 57-2295, 57-11621, and 57-11622).

25 8/15/12

Overlap Review

Basin	Sequence	Suffix	Basis	Draft	Priority Date	Rate	Acre Limit	rate/acre	Total Acres	Volume	Source List	Water Use List	Owner	Combined Use Limits					
														Acres	CFS	Vol	CFS	Vol	Acres
														261.6	5.14	1177	5.14	1098	244
57	1	B	Decreed	N	4/1/1881	5.14	244.0	0.021	304.0	1,098.0	SINKER CREEK	IRRIGATION	EDWARDS	x	x	x	x	x	x
57	2236		Decreed	N	12/11/1959	3.20	160.0	0.020	304.0	720.0	GROUND WATER	IRRIGATION	EDWARDS	x	x	x	x	x	x
57	2295		Decreed	N	8/3/1966	0.62	31.0	0.020	304.0	139.5	GROUND WATER	IRRIGATION	EDWARDS	x	x	x	x	x	x
						5.14	244.0	0.021	304.0	1,098.0									
57	11621		License	Y	10/22/2002	1.41	70.6	0.020	261.6	318.0	GROUND WATER	IRRIGATION, ST	EDWARDS	x	x	x			
57	11622		License	Y	10/22/2002	0.35	17.6	0.020	261.6	79.2	SINKER CREEK	IRRIGATION	EDWARDS	x	x	x			
						1.41	70.6	0.020	261.6										
Overall Total =						5.14	261.6	0.020	328.9	1,177.2									

Combined use limit on diversion rate for all rights dictated by permit conditions

Sinker Creek

57	1	B	Decreed	N	4/1/1881	5.14	244.0	0.021	304.0	1,098.0	SINKER CREEK	IRRIGATION	EDWARDS
57	11622		License	Y	10/22/2002	0.35	17.6	0.020	261.6	79.2	SINKER CREEK	IRRIGATION	EDWARDS
Totals =						5.14	261.6			1,177.2			

Combined use limit on diversion rate for only the Sinker Creek rights because the system is limited to

No combined use limit for acreage or volume for only the Sinker Creek rights as they are cumulative

Ground Water

57	2236		Decreed	N	12/11/1959	3.20	160.0	0.020	304.0	720.0	GROUND WATER	IRRIGATION	EDWARDS
57	2295		Decreed	N	8/3/1966	0.62	31.0	0.020	304.0	139.5	GROUND WATER	IRRIGATION	EDWARDS
57	11621		License	Y	10/22/2002	1.41	70.6	0.020	261.6	317.7	GROUND WATER	IRRIGATION, ST	EDWARDS
Totals =						5.14	261.6			1,177.2			

Combined use limit for rate dictated by permit conditions

No combined use limit for acreage or volume for only the ground water rights as they are cumulative

GROUNDWATER THEORETICAL ANALYSIS

FILE: 57-11621

DATE: July 12, 2012

BY: Glen Gardiner & Dan Nelson

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (HP) \times (EFF.))}{TDH}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$(8.8) \times (\underline{60}) \times (0.70) = 369.6$
Q = _____ = 3.30 cfs

$[(\underline{89}) + (\underline{10} \times 2.31)] = 112.1$

LIFT FROM:

Measurement ()

Owner ()

Area estimate (X)

Well Logs ()

PSI FROM:

Measurement ()

Owner ()

Estimate (X)

Owner Gage ()

Booster (Y) (N)

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

REMARKS: Estimated using well log for lift. Pressure estimated as 10 psi because of open discharge. (See 2nd sheet for Well #2).

Well #1 = 4.12 cfs

Well #2 = 3.30 cfs

Total = 7.42 cfs

Permit limits combination of both wells to 5.14 cfs.

GROUNDWATER THEORETICAL ANALYSIS

FILE: 57-11621

DATE: July 12, 2012

BY: Glen Gardiner & Dan Nelson

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (HP) \times (EFF.))}{TDH}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$(8.8) \times (75) \times (0.70) = 462$
Q = _____ = 4.12 cfs

$[(89) + (10 \times 2.31)] = 112.1$

LIFT FROM:

Measurement ()

Owner ()

Area estimate (X)

Well Logs ()

Booster (Y) (N)

PSI FROM:

Measurement ()

Owner ()

Estimate (X)

Owner Gage ()

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

REMARKS: Estimated using well log from Section 15 for lift. Pressure estimated as 10 psi because of open discharge. (See 1st sheet for Well #1).

Well #2 = 3.30 cfs

Well #1 = 4.12 cfs

Total = 7.42 cfs

Permit limits combination of both wells to 5.14 cfs.

Form 218
6/86STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT**A. GENERAL INFORMATION**Permit No. 57-22951. Owner: Betty J. Shelley

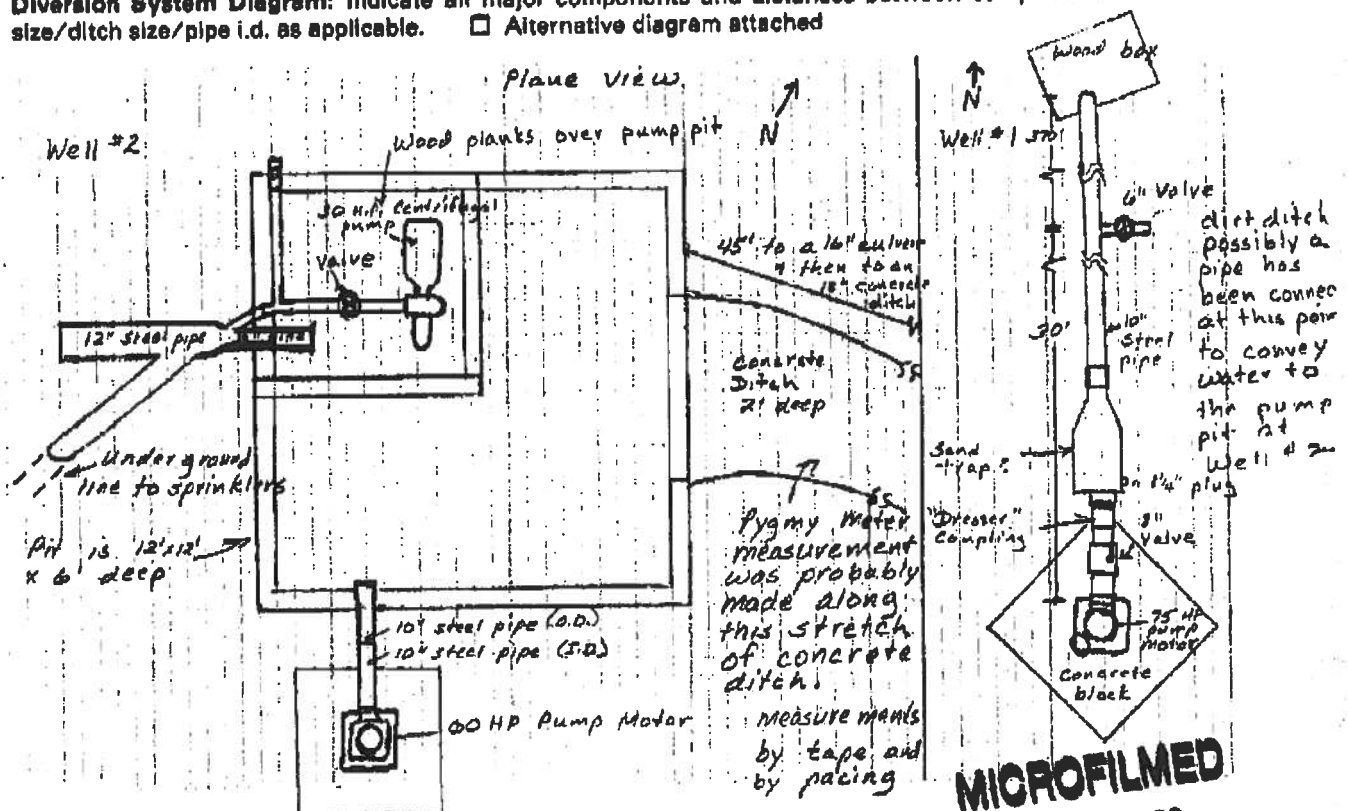
Phone No. _____

Current Address: Unknown2. Accompanied by: Irene TysonEXAM. DATE: 10-7-87Address: HC 79 Box 2040 Murphy ID 83650 Phone No. 834-2344Relationship to Permit Holder: Current owner of the land3. Source: Groundwater tributary to _____**B. OVERLAP REVIEW**

1. Other water rights with same place of use: 57-0001 B surface water this permit supplements ☒ Copies Attached
2. Other water rights with same point of diversion: 57-2236 additional acreage brought under irrigation ☒ Copies Attached ☒ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. Diversion System Diagram: Indicate all major components and distances between components. Indicate well size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached

Scale: 1" = 5'

2. ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

- ☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater.

- ☒ Aerial Photo Attached (required for Irrigation of 10 acres or more).

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System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

The system has 2 wells. Well #1 has a 75 H.P. turbine pump and can discharge water into a dirt ditch that also conveys ~~water~~ surface water or it can discharge water into another dirt ditch that conveys water to the pump pit at well #2. Well #2 ~~discharge~~ has a 60 H.P. turbine pump, and it discharges water into a concrete pump pit. The water can flow from the pit into a concrete

See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
#1	U.S. Motors	75	3493570	Berkeley	8" Discharge
#2	U.S. Motors	60	3874533	Layne + Bowler	D12512
"Booster"	Century	30	9J Spec. 54168	Jacuzzi	SVB 038357

*Code to correspond with No. on map and aerial photo

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
#1			NE	NW	22	3 S	1 W	Owyhee	Aerial Photo
#2			SE	SW	15	3 S	1 W	Owyhee	Aerial Photo

6. Place(s) of Use:

Indicate Method of Determination Aerial Photo

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
3 S	1 W	22	13	17	(3)	(12)	20	(3)		(2)									70
3 S	1 W	23					6	(8)											14
																			84

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OCT 06 1992

Do not use this space

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Do not use this space

D. FLOW MEASUREMENTS

☒ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
See Attached						
Field report						
dated 7-25-72						

2. Measurements: See Field Report from 7-25-72 for PYGMY METER sheet.
Only the water that can be applied by the
sprinklers is usable on the land described by
this permit. 76 Rain Bird Model 30's with 1/2" nozzles at 55 psi = 5.22 gpm each
4.30 cfs by Pygmy meter + 0.88 cfs through sprinklers 5.18 cfs capacity

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

$$76 \times 5.22 = 396.7 \text{ gpm} \quad \frac{396.7}{448.8} = 0.88 \text{ cfs}$$

2. Alternate Method for Checking Purposes:

$$\frac{30 \times 8.8 \times .8}{2' + 2.5(40)} = 1.51 \text{ cfs}$$

RAINBIRD CALCULATIONS
 THESE ACRES ARE IRRIGATED USING ONLY
 THE SPRINKLER SYSTEM - LICENSE IS LIMITED
 TO .88 CFS. JS

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

: Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 84 \times 5 = 420.0 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.88 \times 245 \times 1.9835 = 427.6 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 420.0 \text{ afa}$$

2. Volume Calculations for Other Uses:

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H. REMARKS AND OVERLAP REVIEW ANALYSIS

ditch or it can be pumped from the pit by a 30 H.P. centrifugal ^{pump} into an underground mainline and used to sprinkler irrigate the 84~~4~~ acres south of Sinker Creek with hand lines. This is the land that appears to have been irrigated under this permit. The system has not been ^{operated} since 1984 because of financial problems.

The land licensed under Water Right No. 57-2236 is north of Sinker Creek. The surface water right, 57-0001 B probably was being used on the north side of Sinker Creek when this ground was sprinkler irrigated. Some land in the ~~SE 1/4~~ ^{SE 1/4} of Sec. 15

I. RECOMMENDATIONS

T3S RIW was being irrigated from springs with no apparent water right (the land has been sold by the Tysons).

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
Irrigation	3-15	11-15	0.88	420.0
Totals:			0.88	420.0

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

☐ Other

J. AUTHENTICATION

Field Examiner's Name

Carter Fritschle

Signature

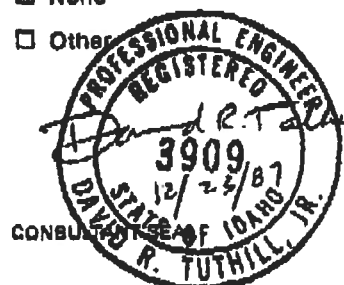
Carter Fritschle

Certification Date

10-7-87

Field Report Preparation Date

10-7-87



K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

Condition R-33

JWM 11/3/89

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PHOTOGRAPHER AND DATE OF PHOTOS Glen Gardiner, July 12, 2012

FILE NUMBER 57-11621



This photo shows Well #1 (A0016967) next to the holding tank. The pipe at waist height with the vehicle behind it has a 50 hp booster pump attached and supplies water to the field south of Sinker creek.



Water from Well #1 flows in the 8" pipe (labeled A) towards the vehicle and turns right into the holding tank. The pipe waist high behind the man with the blue hat (labeled B) has a 50 hp booster pump attached and supplies water to the field south of Sinker Creek. The large pipe connecting to the holding tank in 2 places (labeled C) allows excess water to flow back into Sinker Creek. The pipe below (labeled D) supplies water from Well #2 into the holding tank. The same pipe also allows Sinker Creek water (57-11622) to flow east to the fields north of Sinker Creek.



This photo shows the overflow pipes on the left. The two booster pumps on the right supply water to the pivot and fields north of Sinker Creek. The pump closest is a 25hp, the pump with the blue fertilizer tank behind it is a 50 hp.



This photo shows the holding tank. Water from Sinker Creek enters at pipe (Labeled E). A smaller pipe T's off to the right and elbows left at ground level, supplying Sinker Creek water to the north fields. At the center of the picture is the third booster pump (50 hp), with the line at waist level supplying water to the field south of Sinker Creek.



This photo shows Well #2 in the background. The pipe in the foreground connects to the holding tank by the center pipe. The horizontal pipes connect to the pivot and risers. The pivot can be seen in the background. The field between it and the well was onions, harvested the week before the field exam. The concrete boxes for Sinker Cr water are located left of the well.



This photo shows the two booster pumps supplying water to the north fields.