

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-33759

Exam Date: 4/5/2016

1. Current Owner:
ROWN FARMS LLC 913 W RIVER STE 110 BOISE ID 83702 (208) 412-9600
2. Accompanied by: Brad Watson
Phone No: 208-412-9601
Address: PO BOX 300 Parma ID 83660
Relationship to Permit Holder: Property manager

3. SOURCE: GROUND WATER**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: No ground water rights overlap. Nampa Meridian I.D. water used.
2. Other water rights with the same point-of-diversion: None.

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

GROUND WATER SW¼NE¼ Sec. 2, Twp 03N, Rge 04W, B.M. CANYON County

Method of Determination: ArcMap imagery and PLSS mapping tools.

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	
03N	04W	2		45.0 L 2	39.0														84.0

Total Acres: 84

Method of Determination: ArcMap imagery and measuring tools.

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
D0064443	Twin Disc	100	2101365		8" pipe

*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
	Ultrasonic Flow Meter	Master Meter	C780	26517703	8"	
			OCTAVE			

2. Measurements: On-system flow meter.

E. FLOW CALCULATIONS

Measured Method: Installed flow meter

____ Additional Computation Sheets Attached

Average flow of 720 gallons per minute recorded = 1.60 cfs.

Permit	1.72 cfs
B.U. Standard Allowance	1.72 cfs
B. U. Proof Fee	\$125 → 1.01 to 2.00 cfs
Measured Rate	1.60 cfs
License Recommendation	1.60 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 84.0 \times 4.5 = 378.0 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.60 \times 260 \times 1.9835 = 825.1 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 378.0 \text{ af.}$$

2. Volume Calculations for Other Uses = None.

G. NARRATIVE/REMARKS/COMMENTS

Field exam was completed by WRA Patrick Kelly on April 5, 2016. He was accompanied by Brad Watson, a property manager for the land.

Rown Farms LLC is registered with the Idaho Sec of State No. W110126. Taxlot data suggests that the POU is owned by Rown Farms. No further ownership changes or assignments required.

A well log was found for well D0064443 associated with permit 63-33759. The well driller recorded a location within the SWNE of Sec 2, Twp 3N, Rge 4W of Canyon County. The well was drilled on the NE corner of Pride Ln and Lonky Ln of Caldwell. Digital PLSS mapping tools suggest that the well lies within the NWSE of said Section which is not described on permit 63-33759. After review of the DRG map and BLM GLO Records, it is my belief that these digital boundaries are distorted at this location due to the govt. lots located within the Section. I believe that the location recorded by the well driller to be accurate, despite IDWR correcting the well to the NWSE QQ. An amendment will not be pursued to change the POD, and will reflect one diversion in the SWNE QQ.

A shape totaling an area of 83.8 acres (rounded to 84.0) was made for all of the property irrigated by the well. Ground water is pumped into a field headgate that also delivers Nampa Meridian water. Water from this gate enters open ditches where flood irrigation practices are applied. Considerations for acres within each QQ were the same as described above. The NWSE QQ was ignored, and legal descriptions of the

84 acres were limited to those listed on the permit. An amendment will not be required.

An ultrasonic flow meter has been installed on the system and was operating during the field exam. The well was pumping water up to 720 gallons per minute (1.60 cfs). Permit 63-33759 was issued to provide an inch to the acre; however offers to measure the ditch using the department's open channel Flow Tracker were declined. The diversion measured on the system will then be the limiting diversion rate for license.

Use of the well is supplemental to Nampa Meridian Irrigation District surface water.

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	03/01 to 11/15	1.60 CFS	378.0 AF
	<u>Totals:</u>	1.600 CFS	378.00 AF

2. Recommended Amendments

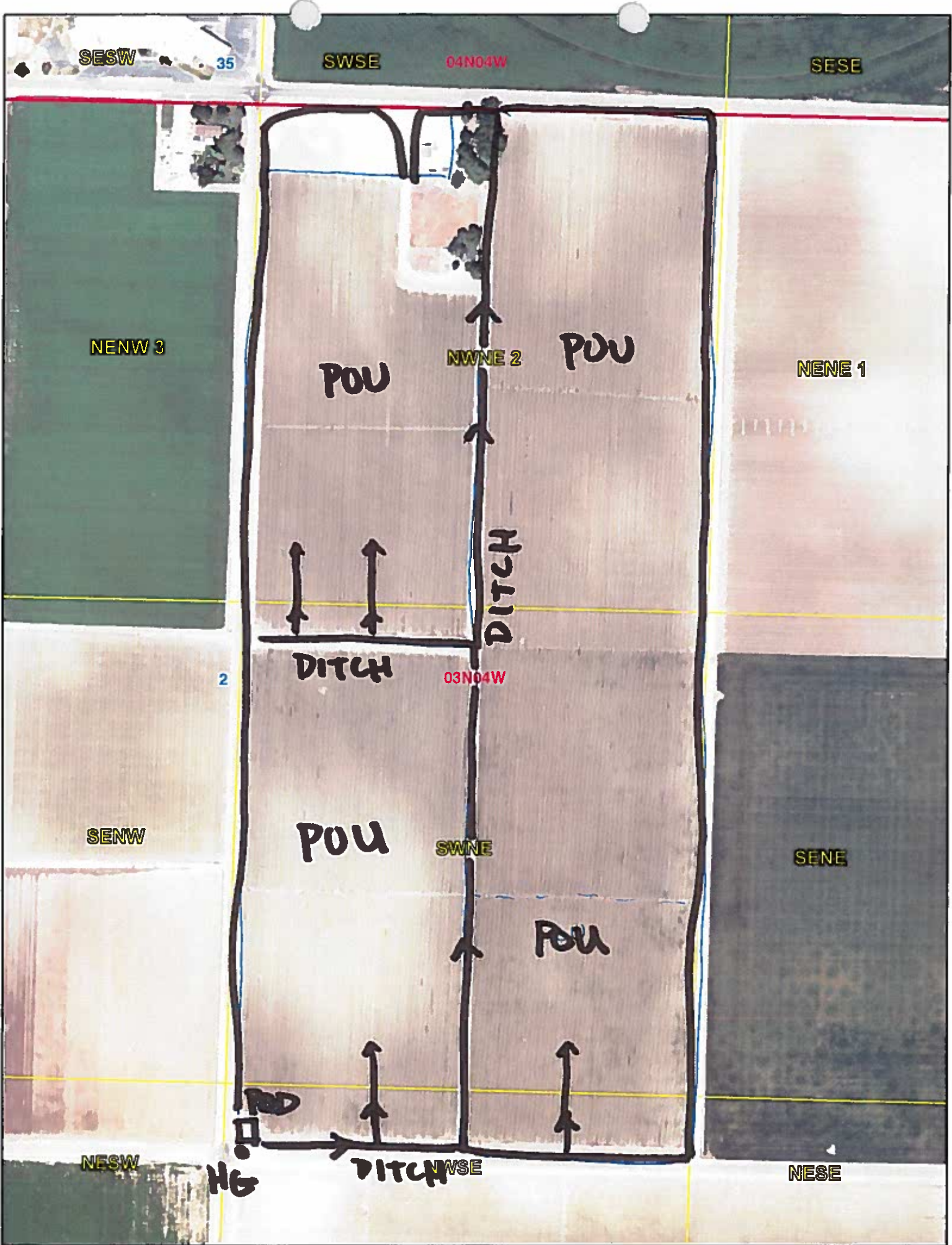
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

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

I. AUTHENTICATION

Field Examiner's Name Patrick Kelly Date 4-5-2016

Reviewer _____ Date _____



IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Location Corrected by IDWR To:
T03N R04W Sec. 2 NWSE
By: mgregory 2014-02-10

1. WELL TAG NO. D 0064443

Drilling Permit No. 962380 - 868439 ✓

Water right or injection well # 63-33759

2. OWNER: ROWN FARMS LLC

Name

Address P.O. BOX 300

City PARMA State ID Zip 83660

3. WELL LOCATION:

Twp. 03 North ☒ or South ☐ Rge. 04 East ☐ or West ☒

Sec. 02 1/4 SW 1/4 NE 1/4

Gov't Lot County Canyon

Lat. 43 37.504 (Deg. and Decimal minutes)

Long. 116 46.945 (Deg. and Decimal minutes)

Address of Well Site At the intersection of Pride Ln and Lonky

Ln city Caldwell

(Use of local 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
3/4" Bentonite	0	94	10,000	Dry pour
Neat Cement	94	185	243 ft ³	Pump

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
16	+2	244	.375	Steel	☒	☐	☒
16	274	324	.375	Steel	☒	☐	☒
16	334	338	.375	Steel	☒	☐	☒
					☐	☐	☐

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

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method

Manufactured screen ☒ Y ☐ N Type Johnson Wire Wrap

Method of installation One string set

From (ft)	To (ft)	Slot size	Number	Diameter (nominal)	Material	Gauge or Schedule
244	274	.025		16	S.S.	
324	334	.025		16	S.S.	
338	348	.025		16	S.S.	

Length of Headpipe Length of Tailpipe 5' w/plate

Packer ☐ Y ☒ N Type

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
#6x9 Sand	185	234	4,500 lbs	Dry pour
#8x12 Sand	234	375	30,000 lbs	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) 73' Static water level (ft) 73'

Water temp. (°F) 66° Bottom hole temp. (°F) 73°

Describe access port 2" pipe on side

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
77	540	154	☒	☐	☐	☐

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
24	0	5	Top Soil		X
24	5	17	Caliche		X
24	17	26	Brown sticky clay		X
24	26	48	Fine-med brown sand		X
24	48	61	Brown clay		X
24	61	86	Fine-med sand, gravel	X	
24	86	102	Brown clay		X
24	102	110	Med-coarse brown sand	X	
24	110	122	Brown clay		X
24	122	137	Fine brown sand	X	
24	137	247	Blue clay		X
24	247	272	Fine-med blue sand	X	
24	272	309	Blue clay		X
24	309	312	Fine-med blue sand	X	
24	312	331	Blue clay		X
24	331	334	Fine-med blue sand	X	
24	334	340	Blue clay		X
24	340	348	Fine-med blue sand	X	
24	348	605	Blue clay		X

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JAN 17 2014

WATER RESOURCES

WESTERN REGION

Completed Depth (Measurable): 353'

Date Started: Jun 26, 2013

Date Completed: Oct 22, 2013

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 11/12/13

*Driller Date

*Operator II Date

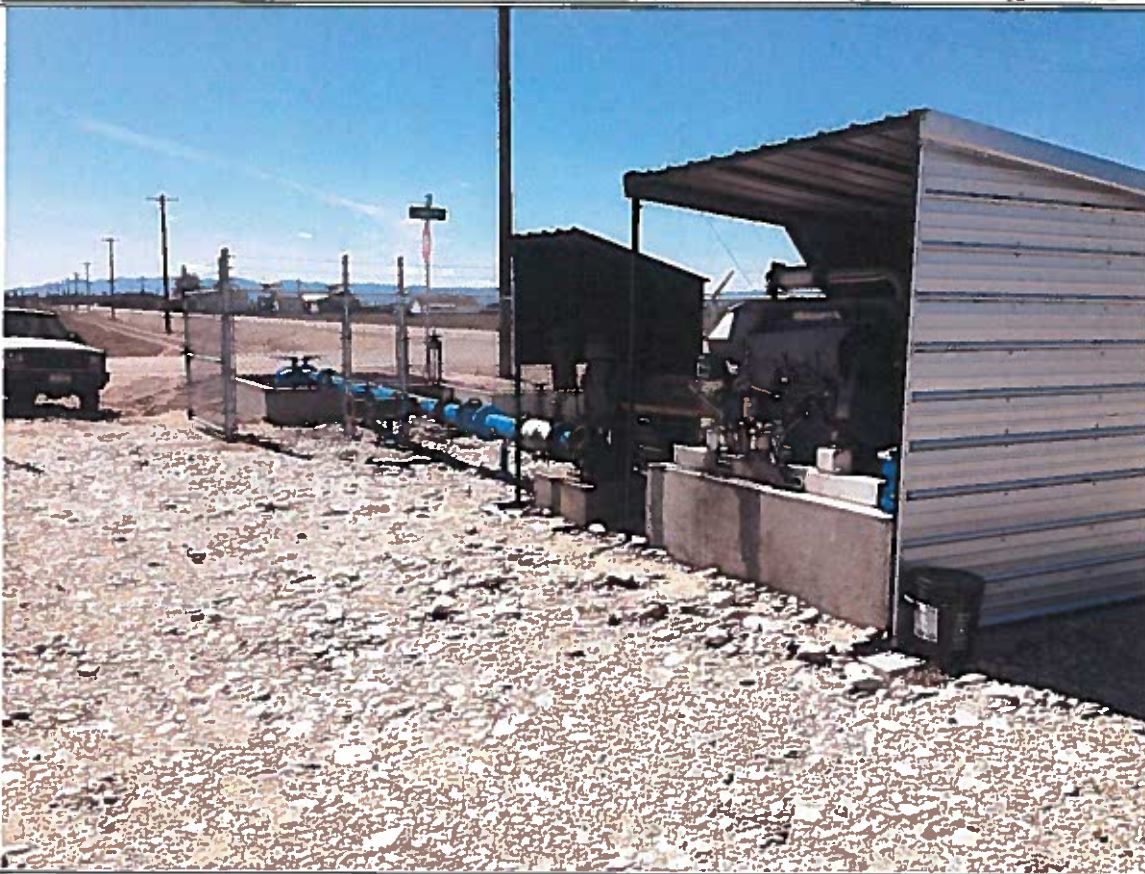
Operator I Date

* Signature of Principal Driller and rig operator are required.

Basin-Seq	Owner	Source	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	TotalAcres
63-11674	SCROGGINS, JEROME	GROUND WATER								36	36	4	4						80
63-136	BARKER RSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-137B	BARKER RSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-198AJ	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-198AJ	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI MORES CREEK		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-199B	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-199B	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI MORES CREEK		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-200A	BARKER RSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-200B	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-200B	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI MORES CREEK		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2106	UNITED STATES OF AMERICA ACTING THROUGH FIVEMILE CREEK		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2109	UNITED STATES OF AMERICA ACTING THROUGH MASON CREEK		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-233K	AMERICAN DITCH CO; BARKER RSHOLT & SIMPSON LLP; BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2388A	UNITED STATES OF AMERICA ACTING THROUGH BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2392B	DRAINAGE DISTRICT NO 3; NAMPA & MERIDIAN IRRIGATION DISTRICT	WASTE WATER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2392F	BOISE PROJECT BOARD OF CONTROL	WASTE WATER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2413	KNAPP, GLENN C	GROUND WATER									10	5	32	38			27		112
63-2413A	IDAHO FIRST NATIONAL BANK & TRUST, KNAPP, GLENN C, TA	GROUND WATER															25		25
63-2413B	KNAPP, GLENN C, WEST ONE BANK	GROUND WATER									9	4	31	41					85
63-251A	UNITED STATES OF AMERICA ACTING THROUGH BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-2968	FARWEST LLC; GRAY, THOMAS P; KING, JAMES B; MC DERMO	GROUND WATER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-30181	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-30181	DAVIS, THOMAS; HONSINGER LAW PLLC; NAMPA & MERIDIAI MORES CREEK		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-301A	UNITED STATES OF AMERICA ACTING THROUGH BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-302A	UNITED STATES OF AMERICA ACTING THROUGH BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-32516	HUSTON FARMS INC	GROUND WATER																	30
63-32695A	NAMPA & MERIDIAN IRRIGATION DISTRICT	GROUND WATER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-32695B	NAMPA & MERIDIAN IRRIGATION DISTRICT	GROUND WATER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33251	BOISE PROJECT BOARD OF CONTROL	INDIAN CREEK	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33253	BOISE PROJECT BOARD OF CONTROL	TENMILE CREEK	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33739	NAMPA & MERIDIAN IRRIGATION DISTRICT	SPRINGS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-33759	ROWN FARMS LLC	GROUND WATER		45	39														84
63-373A	UNITED STATES OF AMERICA ACTING THROUGH BOISE RIVER		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	



Well, pump and diesel motor.

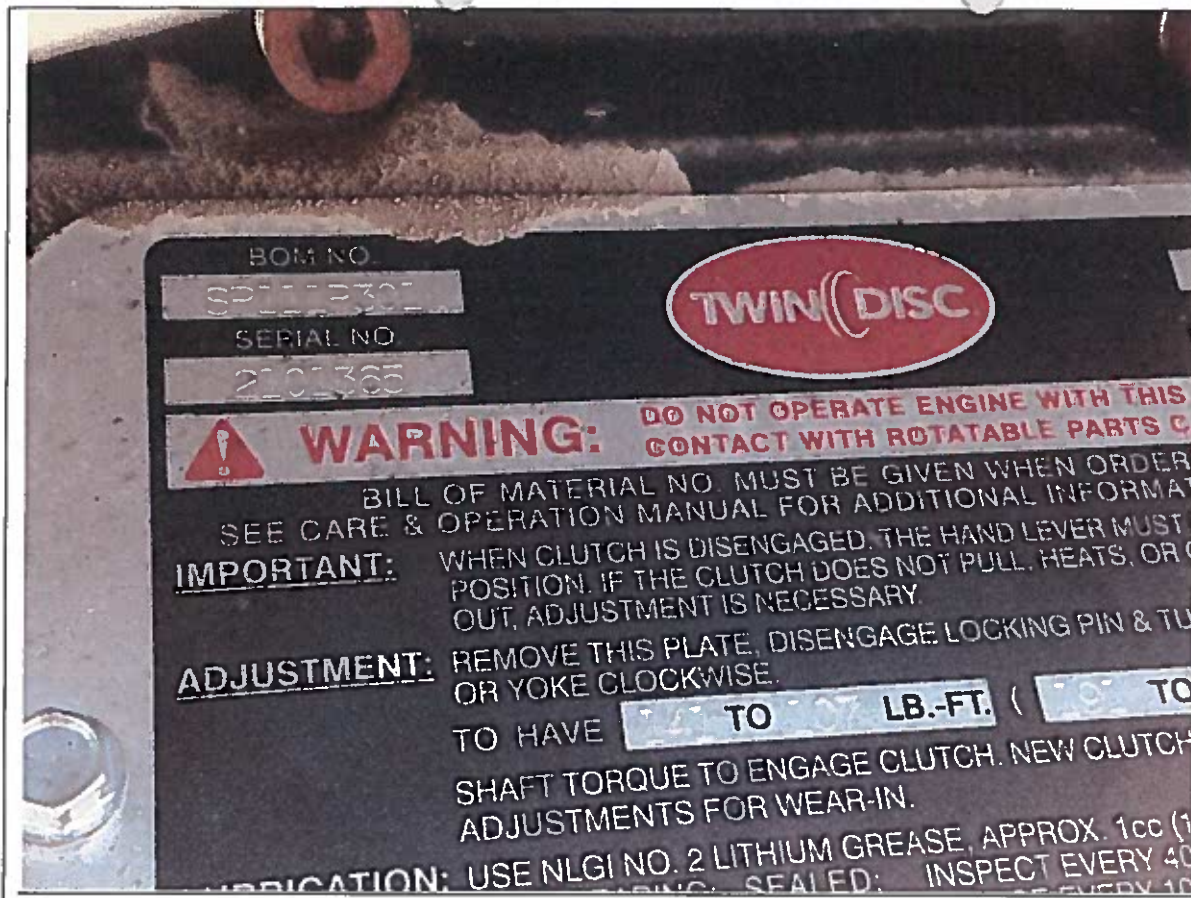


Diversion system to headgate. Standing on NE corner of Lonkey and Pride Ln.



Master Meter ultrasonic flow meter installed on well system before headgate.

Flows up to 720 gpm recorded.



Twin Disc
diesel motor.
Model :
SP111HP3
SN:
2101365



Delivery ditch
immediately
east of headgate,
photo facing
east.

POU field to the
left of ditch.