

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-11674

Exam Date: 11/16/2011

1. Current Owner: JEROME SCROGGINS
17311 PRIDE LN
CALDWELL ID 83605
(208)454-9500
2. Accompanied by: Jerome Scroggins
Phone No: 208- 454-9500
Address:
Relationship to Permit Holder: Owner

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: canal shares
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 NW1/4SW1/4 Sec. 2, Twp 03N, Rge 04W, B.M.
CANYON County

Method of Determination: Arc 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	
03N	04W	2							36.0	36.0	4.0	4.0							80.0

Total Acres: 80

Method of Determination: Arc Map and field examination

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 Pump Serial No. or Discharge

ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Size
	Deutz	36	6238371	D Ram	C704135 8" discharge 40 HP

*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:**

Well log static level = 35.4 ft
 Estimate dynamic level at = 90 ft
 Pump = 40 HP
 Open discharge into ditch system

$$\frac{(40) \text{ Hp} * 8.8 * 0.7}{(20) \text{ PSI} * 2.31 + 90 \text{ ft}} = \frac{2.74}{2.18} \text{ cfs}$$

10 KKC

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 80 \times 4.5 = 360 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.60 \text{ cfs} \times 246 \times 1.98 = 779.3 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 360 \text{ afa}$$

2. Volume Calculations for Other Uses: N/A**G. NARRATIVE/REMARKS/COMMENTS**

There is a jog in the quarter/quarter lines in this general area where most 40 or 80 acre parcels cross the southern boundary associated with the farm. Thus with this permit approximately 8 acres are actually in the N1/2SW1/4 therefore an amendment is necessary. The POD is also within the SW1/4.

I found a diesel motor driving a 40 HP pump that can discharge into the canal system about 15 ft south and upstream from a 2 ft cipolletti weir. All of the pipe system is eight inches. From the weir the water then flows north into the open ditch system and can reach all of the found POU. There is a pipeline running north from the southern ditch to roughly the middle of the property where there is another ditch running east and west. Currently the system is furrow irrigation. A second pipeline split off of the mainline runs south ultimately going underground and continuing south (under Lonkey Lane) to property not a part of the permitted POU. We briefly discussed appurtenances.

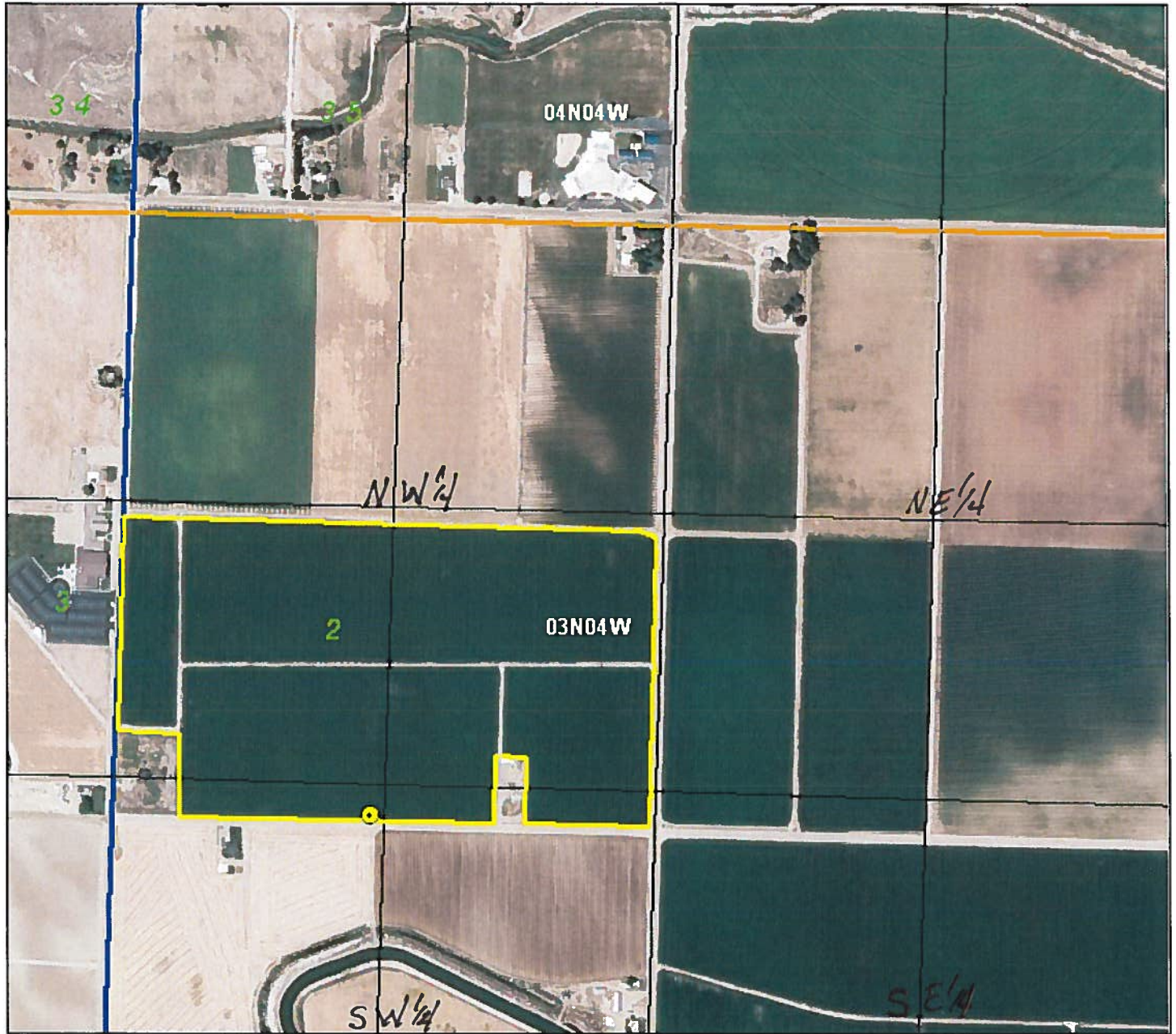
Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	3/15 to 11/15	1.600 CFS	360
<u>Totals:</u>		1.600 CFS	360

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**I. AUTHENTICATION**Field Examiner's Name Kelly K. Christensen Date Nov 17, 2011

Reviewer _____ Date _____

63-11674 FIELD EXAMINATION



0 330 660 1,320 1,980 2,640
Feet

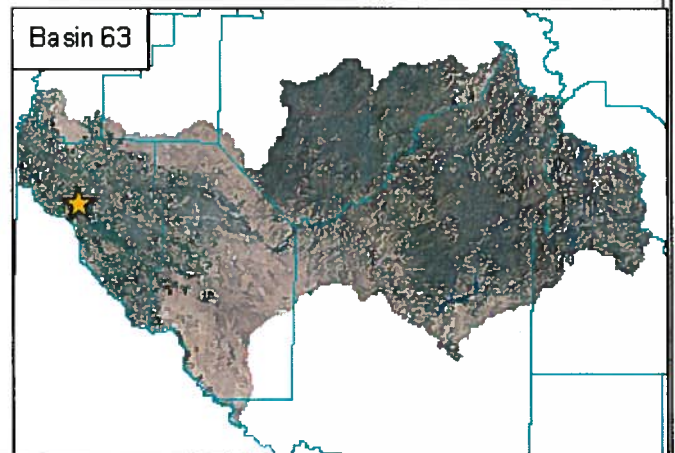
★ LOCATION IN BASIN

PLACE OF USE
TWP 03N, RNG 04W Sec 2
Data Entry on November 29, 2011



- Found point of diversion
- Found place of use
- Township lines
- Section lines
- Quarter/quarter lines

**GIS PLACE OF USE PRESENTATION
2011 AERIAL PHOTOGRAPHY
BY KELLY K CHRISTENSEN**



FIELD EXAM CONVERSATION MEMO

PERMIT # 63-11674 STAFF KKC DATE 11-9-11

OWNER OR REP PHONE #? Jerome Scroggins - 11-9-11 letter mailed for
info RE: P/A extends into N 1/2 SW 1/4 Sec 2

APPOINTMENT DATE/TIME/PLACE

Nov 16, 2011 @ 9:30 meet at his home

Permit 1.60 cfs
 Proof 8/25⁰⁰ 2.00 cfs max *
 Recom 1.60 cfs
 Rec 80ac @ 102 = 1.60 cfs

SYSTEM INFO

Surface Water Ditch/System.

Measurement device type _____
 Application method _____
 Delivery system specifications _____

Surface Water Pump System.

Approx HP _____
 Pump Curve available _____
 Delivery system specifications _____

Ground Water System

Static/Dynamic pumping level _____
 Approx HP dived _____
 Approx Operating PSI _____
 approx type/number sprinklers used _____

Measurement device type _____
 Pump Curve available _____
 Application method _____
 Delivery system specifications _____

well log - Static w level 35.4'
no info in file RE "HP" est. dynamic @ 90'
irr sys not clear Prob. open discharge into ditch
Pump = 40 HP
Found discharge into canal system
to allow well water to utilize canal Co weir for measurement
found a 2' cipolletti weir

Permit Rate _____

$$\frac{(40) \text{ HP} * 8.8 * 0.7}{(\emptyset \text{ PSI} * 2.31) + 90 \text{ ft}} = 2.74 \text{ cfs}$$

63-11674 Luleham info Nov 16, 2011
Kelly K. Christensen

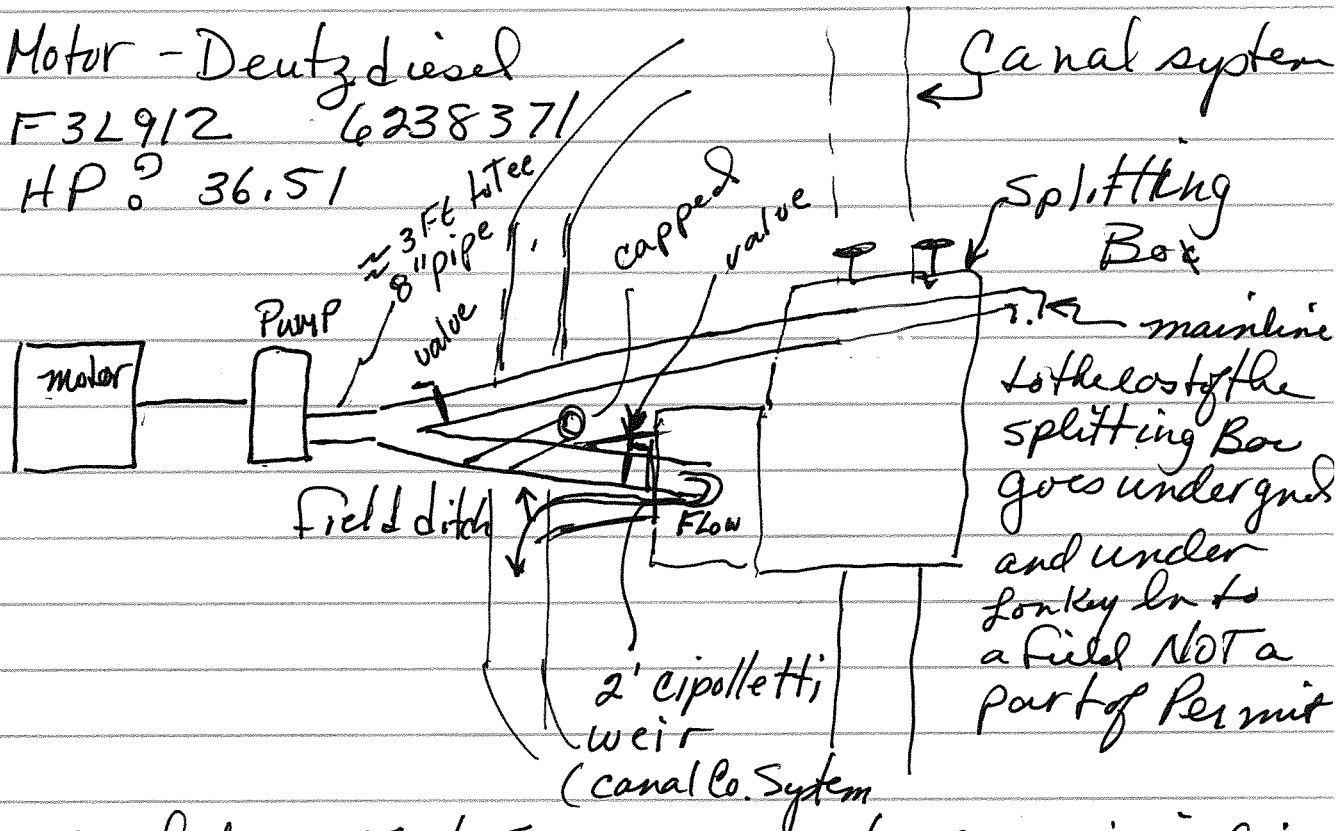
Pump info

De Ram Mdl G40H Ratio 1/1
40 HP Ser# C 704135

Motor - Deutz diesel

F32912 6238371

HP? 36.51



2 pics look ENE to E showing motor, pump & pipeline
1 pic look South @ weir.

3 pics look W on left to N on right taken from
the corner of Lonkey Ln & Pride Ln showing P/U.

63-11674 Field exam

Picture set 1

Photo date 11-16-2011

Looking east northeast on the left to east on the right.

Pipeline to the south

Lonkey Lane



Land owner ditch

canal system ditch

Picture set 2

Photo date 11-16-2011

Canal water control box

You are looking south in this photo which shows the mainline discharging into the canal system above the 2 ft cipolletti weir. Water would flow north from this structure into the field ditch system. The pipeline would likely interfere with the accuracy of the weir measurement.

Weir



Picture set 2

Photo date 11-16-2011

You are looking east on the left to north on the right. This is an overview of the permitted POU and was taken from the intersection of Lonkey Lane and Pride Lane.

≈ POD location



Permit # 63-11674

Aerial photo date 2011

Exam date 11-16-2011

Twp Rng Sec QQ

Agent KSC

3N 04W 02

Permitted for Sec 2 S $\frac{1}{2}$ NW $\frac{1}{4}$



Phone conversation memo 11-14-2011

diesel motor to pump.

thinks that they pumped @ 150 inches.
furrow irr.

on 55 west turn right on Prichard

Wed

9:30

454 - 9500.

cell 880 - 3765

system is open discharge @ pump or into
a buried pipeline to the north to open discharge
into a ditch system at that point.