

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
ADJUDICATION FIELD REPORT

**Prior to Field Exam**

- ☐ Copy of Claim, claim has been signed, sealed, and dated by notary?
- ☐ Check fees paid
- ☐ Well logs (if needed)
- ☐ Copy of topo or NAPP
- ☐ Check of Govt. Lots, if needed, Govt. Plat/Tax lot information
- ☐ Check POD & POU overlap, see below – include overlapping right for exam
- ☐ Evidence of Priority – if none, talk with claimant

**CLAIMANT INFORMATION** – verify contact information is complete

Claim No(s) 63-32368 V1

Owner: Neva C or Antone Noe Phone No. (208) 495-2655

Current Address: 8903 Ferry Rd, Meltan, Id 83641

- ☒ No change NAME IS THE SAME
- ☐ NEW OWNER
- ☒ No change Address
- ☐ NEW ADDRESS
- ☒ How long owned property? 3 yrs.

Accompanied by: Frank Engle (208) 495-2701

**PRIORITY DATE**

- ? ☒ No change – Complete evidence submitted or not necessary
- ☐ Incomplete – Claimant should be asked when water was first used and submit proof of date.
  - ☐ Priority date is acceptable/within mandatory filing dates?

Priority date, per claimant, is: 12/31/1950

(If priority date, based on your exam, seems questionable, explain below.)

Unless additional proof beyond 5/1952, Frank & Frances Engle were married & moved & farmed this property since 5/52. If no additional proof, priority should be changed to 5/1/1952.

Source: waste water Tributary to Snake River

- ☒ No Change – SAME SOURCE
- ☐ Source found is different than claimed: \_\_\_\_\_

**POINT OF DIVERSION**

- ☒ No change
- ☐ POD found is different than claimed: \_\_\_\_\_
- ☐ If different, when did POD change? \_\_\_\_\_

# DIVERSION AND DELIVERY SYSTEM

Points of Diversion:

A0002310

| ID # | Govt Lot # | 1/4 | 1/4 | 1/4 | Sec. | Twp. | Rge. | County | Method of Determination/Remarks<br>GPS ID |
|------|------------|-----|-----|-----|------|------|------|--------|-------------------------------------------|
|      |            |     | NW  | NW  | 15   | 19   | 2W   | Canyon | N43° 30.601'                              |
|      |            |     |     |     |      | 18   |      |        | W116° 34.119'                             |
|      |            |     |     |     |      | 18   |      |        | (2291798)                                 |
|      |            |     |     |     |      |      |      |        | (1352372)                                 |

Description of diverting works

Ingersoll Rand 15 Hp pump, 6" discharge to 6" steel pipe that runs under driveway to the southwest

## OVERLAP REVIEW

Other water rights with the same point of diversion: None

Does overlap add acres or uses to existing system, increase rate of flow or volume, or other? Explain: ↑

## WATER USES

☐ No change

☒ Different Uses

Use Irrigation From 3/1 To 11/15 Amount 0.18 CFS 41.0 AFA  
 Use \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Amount \_\_\_\_\_ CFS \_\_\_\_\_ AFA  
 Use \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Amount \_\_\_\_\_ CFS \_\_\_\_\_ AFA

## TOTAL VOLUME - Groundwater only

N/A

- ☐ Incomplete on claim, the total is, Amount \_\_\_\_\_ CFS \_\_\_\_\_ AFA  
☐ Changes found, the new total is, Amount \_\_\_\_\_ CFS \_\_\_\_\_ AFA  
☐ More than 1" per Acre? Yes \_\_\_\_\_ (claimant must complete excess flow sheet)

## NON-IRRIGATION USES:

☒ No change

☐ Changes Exam found: Domestic # of homes \_\_\_\_\_ Stock # \_\_\_\_\_

Types \_\_\_\_\_ Additional comments: \_\_\_\_\_

## PLACE OF USE:

☐ No Change

☒ Changes shown below:

this WR is being disallowed due to request from Frank Engle + POD not utilized

| Place of Use |     |     | NE |    |    |    | NW |     |    |    | SW |    |    |    | SE |    |    |    | Totals |
|--------------|-----|-----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|--------|
| TWP          | RGE | SEC | NE | NW | SW | SE | NE | NW  | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 15           | 2W  | 15  |    |    |    |    |    | 9.1 |    |    |    |    |    |    |    |    |    |    | 9.1    |
|              |     |     |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |        |
|              |     |     |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |        |
|              |     |     |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |        |
|              |     |     |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |        |
|              |     |     |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |        |

Overlap with other water rights: None

Does overlap increase rate of flow, volume, additional acres, different source for same acres? Explain:

Delivery System Narrative: 6" steel continues south, splits & turns west to cross waste water ditch, converts to 4" above the ground aluminum main running north & south on the east border of the "north field". Converts to 3" wheel line (3) 40' sections with one (1/4") nozzle per section & one nozzle on the end. At the split in the 6" steel, it also continues south, converts to 4" above the ground aluminum main running north to south on the west border of the "south field". There are big guns (1 1/2" nozzle) in the corners, & 3" aluminum hand line w/ 1 (1 1/2) nozzles. At the time of inspection, nothing had been irrigated for a year, so it was pretty dry. The Big Gun is moved around the field.

| Well or Diversion Identification No<br>GPS ID | Motor Make     | Hp | Motor Serial No.               | Pump Make | Pump Serial No. or Discharge size |
|-----------------------------------------------|----------------|----|--------------------------------|-----------|-----------------------------------|
| A0002310                                      | Ingersoll Rand | 15 | No. 04517603<br>IMP. 2RVNL3AXL | Notay     | 6"                                |

40 psi  
FLOW MEASUREMENTS: 6" intake from pond, 4' lift → crosses rd → 6" steel running S, crosses drain ditch to 4" alum. main at west side, continues S. to SE field

Attach appropriate documents

#### NARRATIVE/REMARKS/COMMENTS

Supplemental water: None

This right is a split from a former WR 63-21456.

This property & system was previously owned by Frank Engel, 9450 Ferry Rd Melba, Id 83641. The property had been owned & farmed by Engel for 30 years, then Frank Engel's son owned & farmed the property until he sold it to Nae 3 years ago. Frank & Frances Engel were married 5/52 & moved to this property & began farming it then

Engle purchased & began farming 5/1952

Prior to installing the wheel line & Big Gun, the property was irrigated w/ hand line & rainside sprinklers. The wheel line & Big Gun were installed 4 years ago.

Directions: I 84 towards Nampa, 512/Hwy 45, 14 miles south of Greenhurst (stay on Hwy 45 & do not turn left at the Melba junction). Left on Ferry Rd (before Ferry Service & before crossing the bridge). Go 1.6 miles to 8903 Ferry Rd. Pond is located at NE corner of entrance. POD is located (by power pole) 180' south of entrance at the pond (west side). POU property between drive ways for 8999/8971 & 8903 Ferry Rd (property is actually north of the houses for 8999 + 8971) + south + southwest + northwest of the 8903 Ferry Rd. house.

AFTER EXAM THE FILE SHOULD CONTAIN:

- ☐ Completed claim checklist
- ☐ Photographs of POD's and POU
- ☐ GPS readings
- ☐ Completed map and or GIS layout showing POD's and POU

DATE EXAM CONDUCTED:

10/18/2006

FIELD EXAMINER:

Andy Hemmaway

63-32368 V1 Noe  
Date of Inspection: 10-17-2006  
Inspector: Sandy Hemerway

Pond (only available during irrigation season  
when there is run-off / waste water flowing)  
 $W = 18'$   $L = 208'$   $D = 4'$

Note: There is a weir at the north end of the  
pond  $L = 11'' = 0.92'$   $H = 9'' = 0.75'$  (U of I chart shows  
 $L = 1'$   $H = 9'' = 2.01 \text{ cfs}$ ) (calculation from high water mark  
at outlet of pond).

Pump Info: Ingersoll Rand 6" discharge, 15 HP,  
40 psi, 4' lift

\* see attachment = 1.06 cfs system capacity

Pipe Flow Capacity: 6" steel to 4" aluminum main  
6" steel = 0.98 cfs  
4" aluminum main = 0.44 cfs

Irrigation: confirmed acres: 9.6 acres irrigated  
Season: 3/1 = 11/15 = 260 days

\* 9.6  
mchael  
young  
Vir = acres irrigated x ir. requirement  
= 9.6 x 4.5 = ~~40.95~~ = 41.0 af  
Vdr = diversion rate x days in season x 1.9835  
= ~~1.06 0.18 cfs~~ x 260 x 1.9835 = 546.65 = 546.7 af  
V = 41.0 af  
9.6 acres x 0.02 cfs = 0.18 cfs

Wheel Line Measurement

\* see attachment = 0.06 cfs required

Big Gun Measurement

\* see attachment = 0.95 cfs required

1.01  
cfs  
required

## Estimated Pumping Rate Computer

Flow Analysis Performed by: Sandy HemenwayDate: 10/17/2006

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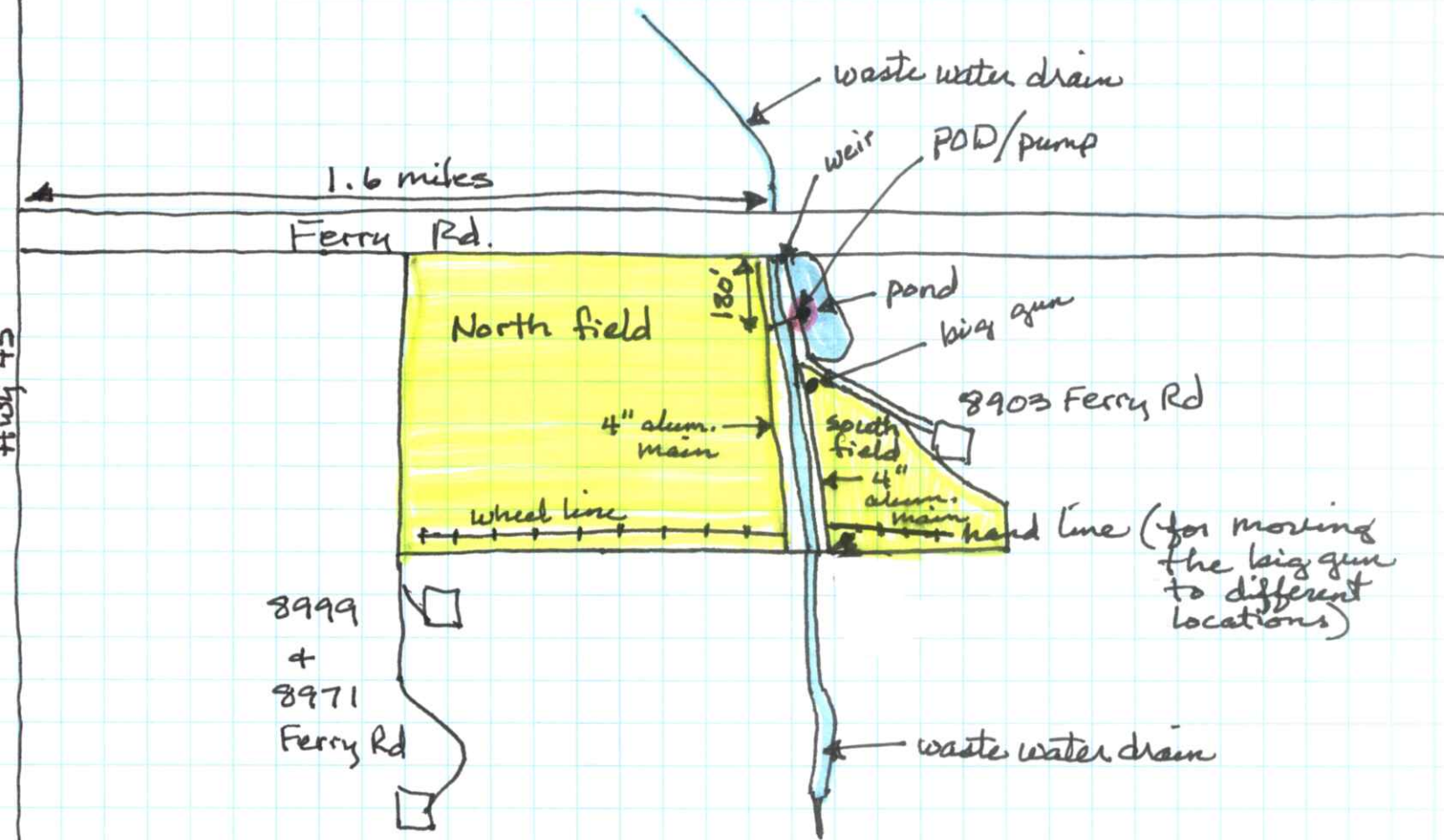
|                                             |                    |                                                      |                                               |
|---------------------------------------------|--------------------|------------------------------------------------------|-----------------------------------------------|
| Record ID                                   | Measured Flow:     |                                                      |                                               |
| Water Right No. 63-32368                    | Designed Flow:     |                                                      |                                               |
| Name NOE                                    | HP/Eff Flow:       | 1.06 cfs                                             | <<--Max                                       |
| pod                                         | Sprinkler Flow:    | 0.95 cfs                                             |                                               |
| year:                                       | Pivot/System Flow: |                                                      |                                               |
| Flow Measurement: <u>          </u> gpm     | =                  |                                                      |                                               |
| Curve/Pump Design: <u>          </u> gpm    | =                  |                                                      |                                               |
| <b>Horsepower / Efficiency Method</b>       |                    |                                                      |                                               |
| Horsepower <u>          </u>                | 15 hp              |                                                      |                                               |
| PWL <u>          </u>                       | 4 ft               |                                                      |                                               |
| Disch Psi <u>          </u>                 | 40 psi             |                                                      |                                               |
| PUMP Eff Estimate                           | 0.77 %             |                                                      |                                               |
| TDH                                         | 96 ft              |                                                      |                                               |
| OHP                                         | 11.55 hp           |                                                      |                                               |
| Flow                                        | 474 gpm            | =                                                    | 1.06 cfs <i>system capacity</i>               |
| <b>System Method:</b>                       |                    |                                                      |                                               |
| No Lines <u>          </u>                  | 1                  | Nozzle Equation: $Q=C*A*\sqrt{2*g*h} / \sqrt{1-r^4}$ |                                               |
| Birds per line <u>          </u>            | 1                  | C=                                                   | 1.00 Nozzle coefficient; typical 0.97 to 1.00 |
| Tti no nozzles <u>          </u>            | 1                  | r=                                                   | 0.0625 ft Nozzle radius                       |
| Nozzle size <u>          </u>               | 1 1/2 in           | A=                                                   | 0.01227 ft^2 Nozzle area                      |
| Nozzle pressure <u>          </u>           | 40 psi             | h=                                                   | 92 ft Head                                    |
| Flow per nozzle <u>          </u>           | 424.86 gpm         | g=                                                   | 32.2 ft/sec^2 Gravitational constant          |
| Sprinkler Flow <u>          </u>            | 425 gpm            | Q=                                                   | 0.947 cfs Flow per nozzle                     |
| Percent Leaks <u>          </u>             | %                  | =                                                    | 424.859 gpm Flow per nozzle                   |
| Total Flow                                  | 425 gpm            | =                                                    | 0.95 cfs                                      |
| Pivot / System rating <u>          </u> gpm | =                  | <i>(for Big Gun)</i>                                 |                                               |

Comments / Data Supplied:

|                                |                    |                                                      |
|--------------------------------|--------------------|------------------------------------------------------|
| Record ID                      | Measured Flow:     |                                                      |
| Water Right No. 63-32368       | Designed Flow:     |                                                      |
| Name NOE                       | HP/Eff Flow:       |                                                      |
| pod                            | Sprinkler Flow:    | 0.06 cfs <<--Max                                     |
| year:                          | Pivot/System Flow: |                                                      |
| Flow Measurement:              | gpm                | =                                                    |
| Curve/Pump Design:             | gpm                | =                                                    |
| Horsepower / Efficiency Method |                    |                                                      |
| Horsepower                     | hp                 |                                                      |
| PWL                            | ft                 |                                                      |
| Disch Psi                      | psi                |                                                      |
| PUMP Eff Estimate              | %                  |                                                      |
| TDH                            | 0 ft               |                                                      |
| OHP                            | hp                 |                                                      |
| Flow                           | gpm                | =                                                    |
| System Method:                 |                    |                                                      |
| No Lines                       | 1                  | Nozzle Equation: $Q=C*A*\sqrt{2*g*h} / \sqrt{1-r^4}$ |
| Birds per line                 | 8                  | C= 1.00 Nozzle coefficient; typical 0.97 to 1.00     |
| Ttl no nozzles                 | 8                  | r= 0.0059 ft Nozzle radius                           |
| Nozzle size                    | 9/64 in            | A= 0.00011 ft^2 Nozzle area                          |
| Nozzle pressure                | 30 psi             | h= 69 ft Head                                        |
| Flow per nozzle                | 3.23 gpm           | g= 32.2 ft/sec^2 Gravitational constant              |
| Sprinkler Flow                 | 26 gpm             | Q= 0.007 cfs Flow per nozzle                         |
| Percent Leaks                  | %                  | = 3.234 gpm Flow per nozzle                          |
| Total Flow                     | 26 gpm             | = 0.06 cfs                                           |
| Pivot / System rating          | gpm                | =                                                    |

*required for (wheel line)*

Comments / Data Supplied:



N ↑

= POU  
 = POD

63-32368 Noe  
 10/17/2006 SH.



# Idaho Department of Water Resources

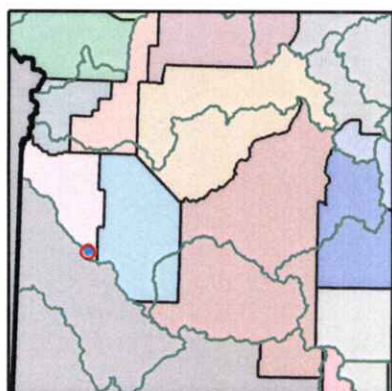
SRBA Recommendation:

**63-32368**

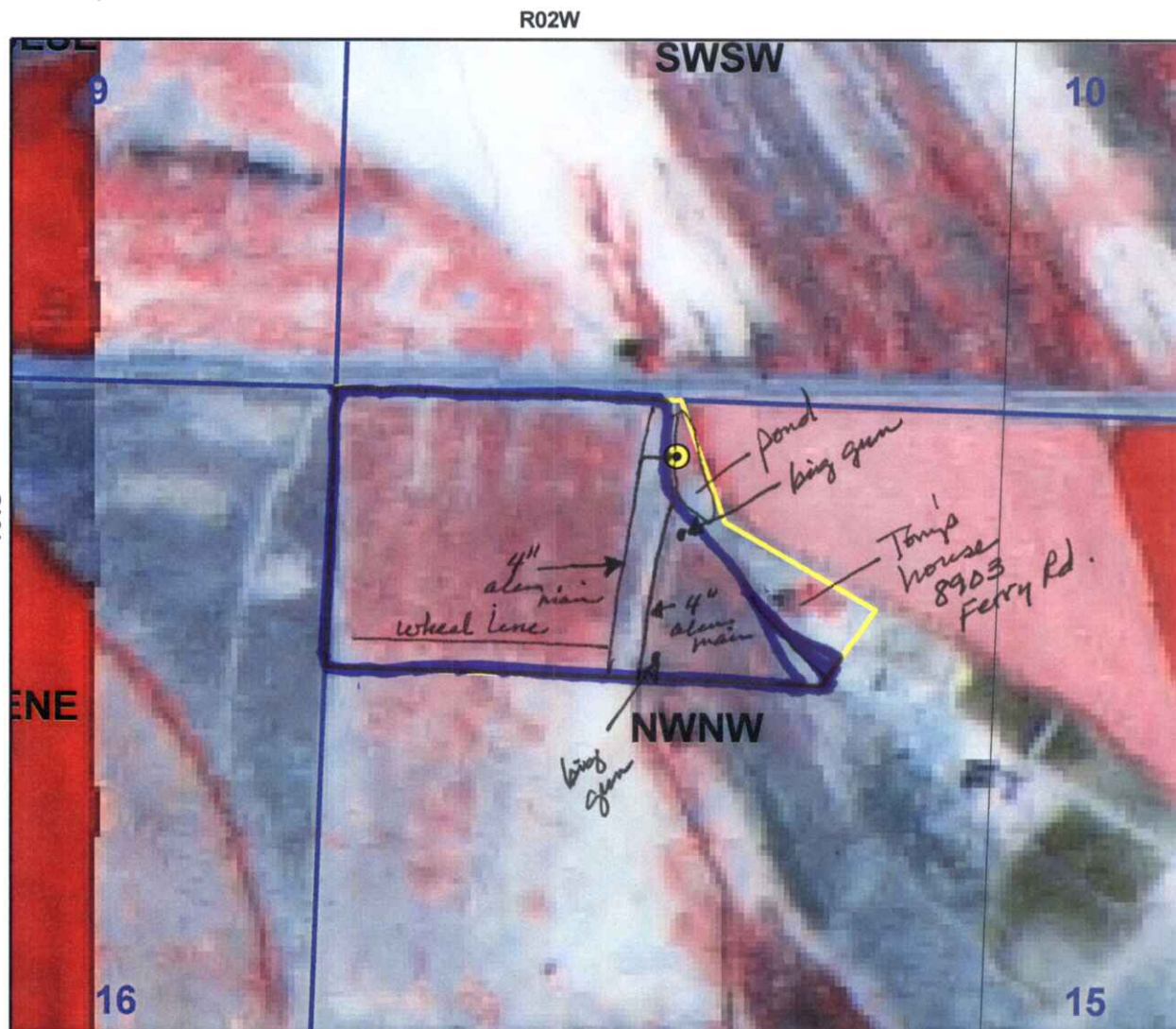
(Irrigation)

## Legend

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



Canyon County  
IDWR Basin 63



0 0.1 0.2 Miles

10/17/2006 SH

Prepared by J. Shurte  
On Tuesday, October 3, 2006  
1987/88 Aerial Photography

Owner: Neva C Noe

NOTE: Only one owner is listed. There may or may not be more than this in the IDWR database.



# Idaho Department of Water Resources

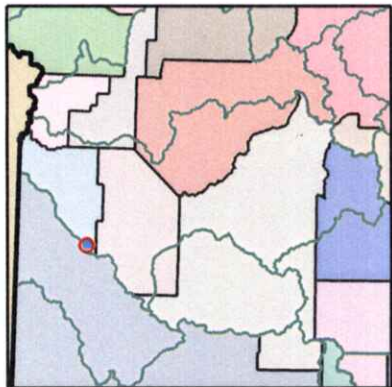
SRBA Recommendation:

**63-32368**

(Irrigation)

## Legend

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



Canyon County  
IDWR Basin 63



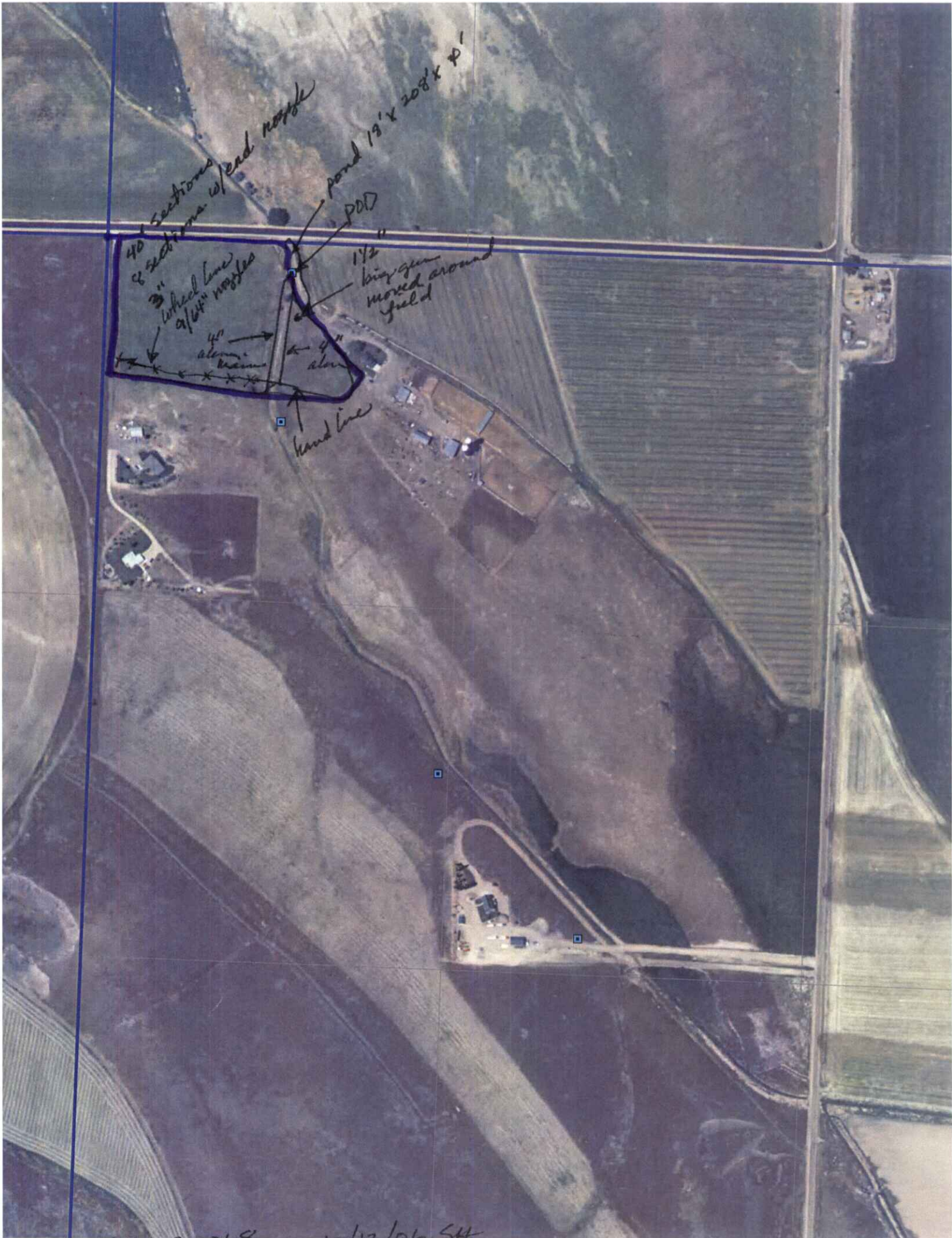
0 0.1 0.2 Miles

10/17/06 SH

Prepared by J. Shurte  
On Tuesday, October 3, 2006  
2004 Aerial Photography

Owner: Neva C Noe

NOTE: Only one owner is listed. There may or may not be more than this in the IDWR database.



63-32368

10/17/06 SK



9.1

63-32368 10/17/54



POD:

15 HP  
Ingersoll-  
Rand  
6" discharge  
40 psi  
4' lift  
from  
pond

Location: 180' south on east  
side of driveway for  
8903 Ferry Rd.

N43°20.601'  
W116°34.119'  
(2291798)  
(1352372)



63-32368 Noe

10/17/2006 Stt

weir (outlet to ditch that goes under the road - Ferry Rd - + continues north)



L 208'  
W 18'  
D 4'

Pond

10/17/2006



weir at north end of pond

high water mark on weir  
L 11"  
H 9"

10/17/2006

63-32368 Noe

10/17/2006 STH

POD/pump, east of  
this power pole

Noe's house

pond  
on other  
side of  
burn



waste  
water  
ditch

culvert  
south to  
north, to  
continue  
flow.  
moving  
north

10/17/2006

6" steel crossing  
waste water drain to  
convert to  
4" aluminum  
running  
north +  
south on  
east  
border  
of  
"north  
field"



10/17/2006

6" steel pipe  
running  
south on  
west side  
of drive-  
way

63-3 2368 Noe

10/17/2006 SH

3" wheel line  
8 sections  
(1) 9/16" nozzle per section w/ end nozzle



6" steel crossing waste water ditch to 4" aluminum to 3" wheel line

POU:  
"south field"



(1) 1 1/2" Big Gun off of 4" aluminum main, in "south field" moved around field

10/17/2006

63-32368 Noe

10/17/2006 SH



PDU  
"south  
field"

PDU  
"north  
field"

10/17/2006



wheel  
line

PDU  
"North  
field"

10/17/2006

63-32368 Noe

10/17/2006 SH