

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-12548

Exam Date: 9/19/2012

1. Current Owner: MC GREW RANCH LLC
15600 NE HOT CREEK RD
GLENNS FERRY ID 83623
(208)580-2996

2. Accompanied by: John McGrew

Phone No:

Address:

Relationship to Permit Holder: : owner

3. SOURCE

SPRING

TRIBUTARY

MOORES CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

SPRING

SW1/4SW1/4SE1/4

Sec. 25, Twp 01N, Rge 10E, B.M.

ELMORE County

Method of Determination: Gps and field exam

2. PLACE OF USE:

STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
01N	10E	25	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
											X								

Method of Determination: Gps, field exam and Arc Map.

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

Gravity flow pipeline system.

D. FLOW MEASUREMENTS1. **Measurement**

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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De Minimus stockwater no measurement made.

2. Measurements:

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method:

I found an 1 ¼ inch pipeline with a fall between 5 and 10 ft and 1500 ft from the pod to the stock tank. The 'ESTIMATING PIPELINE FLOW RATES' chart dated April 7, 1981 does not chart flow rates for 1 ¼ inch pipe but does for 1 and 1 ½ inch pipelines. The 1 inch line at 1500 ft and a 10 ft fall is estimated to be 0.007 cfs. A 1 ½ inch pipeline at 1500 ft and a 10 ft fall is estimated to produce 0.019 cfs. As the theoretical calculations are based upon estimates and the upper diversion rate is near the permitted rate I am recommending the permitted rate.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A
2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

The system is a spring development using underground perforated pipe then connected to a 1 ¼ inch black plastic pipe to a uke tire stock tank approximately 1500 ft to the north. The overflow from the stock tank is piped underground approximately 160 feet, again via a 1 ¼ inch pipeline. The overflow pond is a natural depression and is considered incidental to the stock water development. The pond is less than 0.1 af in size and is considered de minimus. The pond is in the same 10-acre tract as the tank.

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>
STOCKWATER	1/01 to 12/31	0.020 CFS	
<u>Totals:</u>		0.020 CFS	

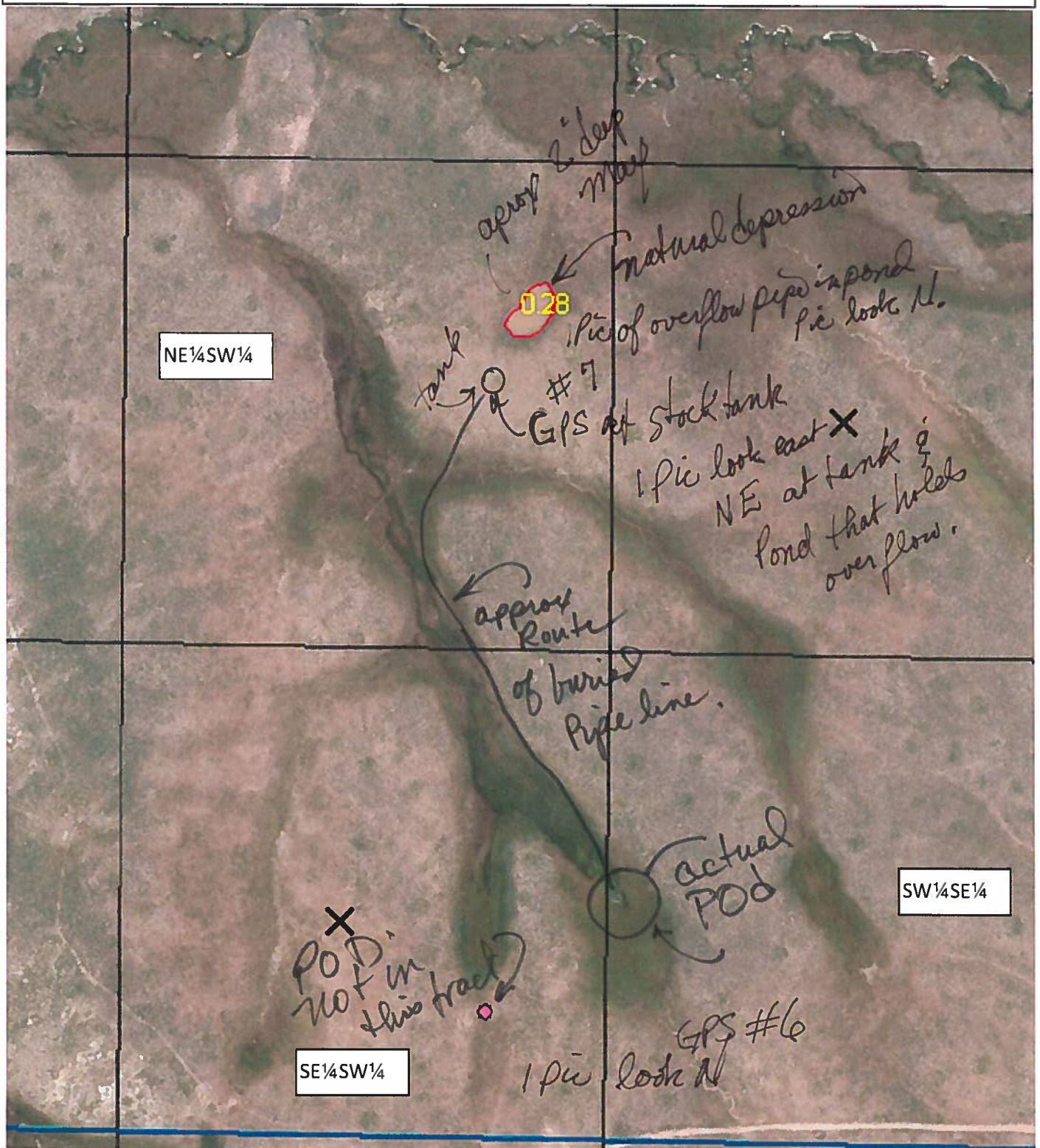
2. **Recommended Amendments**☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other**I. AUTHENTICATION**Field Examiner's Name Kelly K. Christensen Date Oct 2, 2012

Reviewer _____ Date _____

63-12548

1N, 10E, Sec 25 SE $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$

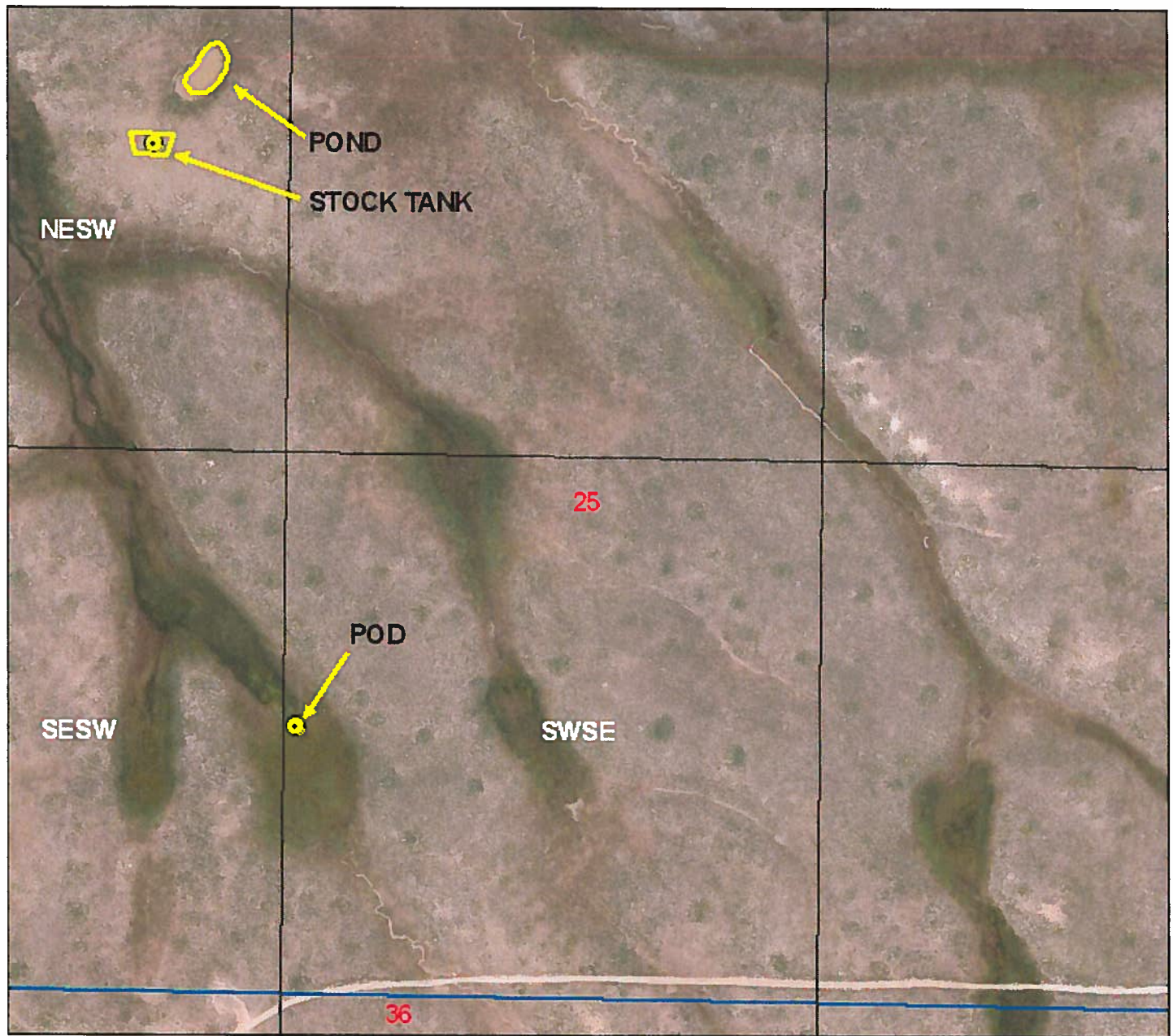
X marks the permit POU. Pipeline and trough system



Pipeline valved down at yard
up to 500' h₂O.
Cows moved out of pasture

Pic of Buried spring box
Pipeline 1 1/2" BLK plastic to trough

63-12548 LICENSING PLACE OF USE



0 660 1,320
Feet

★ LOCATION IN BASIN

PLACE OF USE
TWP 01N, RNG 10E Sec 25
Data Entry on October 2, 2012



- 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**

Basin 63



63-12548 Field exam
Exam date; September 19, 2012
By Kelly K Christensen



Photo 1

The fenced in area is the collection spot for this right. You are looking north in this photo. The stocktank is north of this location and within the picture frame but is just beyond a sight ridge and is not visible.



Photo 2

You are looking east northeast in this photo which shows the stocktank and the overflow pond. The pond is approximately 0.3 acres in surface area and approximately 2 ft deep with a gentle curved bottom. The pond is small and not considered as a storage component.



Photo 3

This photo shows the overflow line discharge into the pond. The flow at this time of the year is minimal and was not measured.