

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-31376

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

BIG SPRINGS 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

NE1/4SE1/4NW1/4

Sec. 36, Twp 01N, Rge 10E, B.M.

ELMORE County

Method of Determination: Field GPS and Arc Map

2. **PLACE OF USE:** STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
01N	10E	36	<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>	
										X									

Method of Determination: Field exam and GPS

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

Buried gravity flow system.

D. FLOW MEASUREMENTS

1.

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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2. Measurements: Stockwater at 0.03 cfs, no measurement made.

E. FLOW CALCULATIONS

Measured Method:

I found an 1¼ inch pipeline approximately 400 ft from the pod to the stock tank. This area has a fairly uniform gentle slope and the quad map available for this area utilizes 40 ft increments between contour lines which make it difficult to determine the fall. I am estimating the fall to be between 5 and 10 ft.

The 'ESTIMATING PIPELINE FLOW RATES' chart dated April 7, 1981 does not chart flow rates for 1 ¼ inch pipe but does for 1 inch 1 ½ inch pipelines. A 1½ inch pipeline at 400 ft and a 10 ft fall is estimated to produce 0.038 cfs. A 1 inch pipeline at 400 ft and a 10 ft fall is estimated to produce 0.013 cfs. The permitted rate of 0.03 cfs appears to be reasonable.

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 buried perforated pipe in the seep area with a 1¼ inch black plastic line running from the collection system underground approximately 400 ft to the uke stock tank. An overflow line from the tank runs east to the swale where the water returns to the natural drainage.

I found both the POD and POU to be in Sec 36 NESENW. The permit listed the POD 10-acre tract as the SE. . No measurement was made as this is for stockwater at 0.03 cfs which is the rate as established for 100 hd of cattle per table No 6, Annual Use of Water for Stockwater Purposes.

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	01/01 to 12/31	0.030 CFS	
<u>Totals:</u>		0.030 CFS	

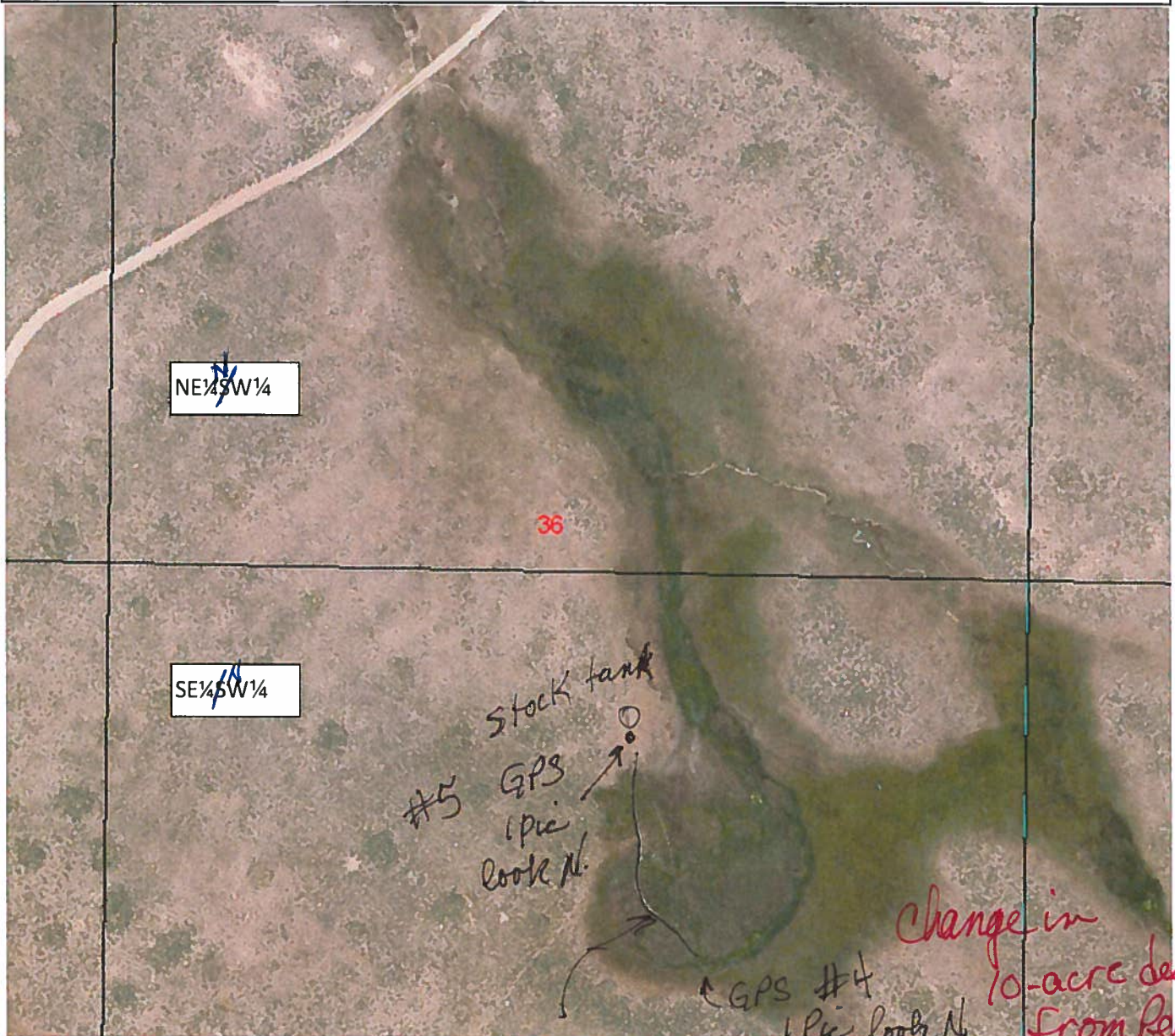
2. Recommended Amendments☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other**I. AUTHENTICATION**Field Examiner's Name Kelly K. Christensen Date Oct 3-2012

Reviewer _____ Date _____

63-31376

1N, 10E, Sec 36 SE $\frac{1}{4}$ SW $\frac{1}{4}$

Spring to trough



tank 10' dia like tire
date Sept 19, 2012

4" buried black plastic collection
line to stock tank
line just seeping today. No mass made

Photo 1

You are looking north in this photo. This spot is the beginning of a buried collection line (4") that runs across this spring seep area toward the stocktank that is near the jeep.



Photo 2

This photo is also looking north at the uke stocktank. The overflow line is in the center of the tank.

