

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-31344

Exam Date: 9/19/2012

1. Current Owner: MC GREW RANCH LLC
15600 NE HOT CREEK RD
GLENN'S FERRY ID 83623
(208) ~~560-2996~~ **599-3864**

2. Accompanied by: John McGrew

Phone No:

Address:

Relationship to Permit Holder: owner

3. SOURCE

SPRINGS

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:

SPRINGS

NW1/4SW1/4SW1/4

Sec. 24, Twp 01N, Rge 10E, B.M.

ELMORE County

Method of Determination: GPS and field exam. Exact location not visible. Estimated buried spring location by owner.

2. PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
01N	10E	24											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 DiversionID No.*Motor MakeHpMotor Serial No.Pump Serial No. or DischargePump MakeSize

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.</u> | <u>Date</u> |
|------------------|-------------|-------------|------------------|-------------------|-------------|---------------|-------------|
|------------------|-------------|-------------|------------------|-------------------|-------------|---------------|-------------|

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

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

I found an 1 1/4 inch pipeline with a fall of approximately 15 ft and 400 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 1/4 inch pipe but does for 1 inch and 1 1/2 inch pipelines. A 1 inch pipeline at 400 ft and a 15 ft fall is estimated to produce 0.016 cfs. A 1 1/2 inch pipeline at 400 ft and a 15 ft fall is estimated to produce 0.047 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 spring development piped through a 1 1/4 black plastic line underground approximately 400 ft to a Uke tire stock tank. Mr McGrew was not 100% sure where the actual development was as it is underground and any surface disturbance has been obliterated. There was some evidence of the pipeline route between the tank and the spring location. The marked location for the POD is approximately 80 ft into the NESWSW and the permit was for the NWSWSW. I am recommending the right to the permitted tract as in reality it could be in either 10-acre tract. 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

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
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

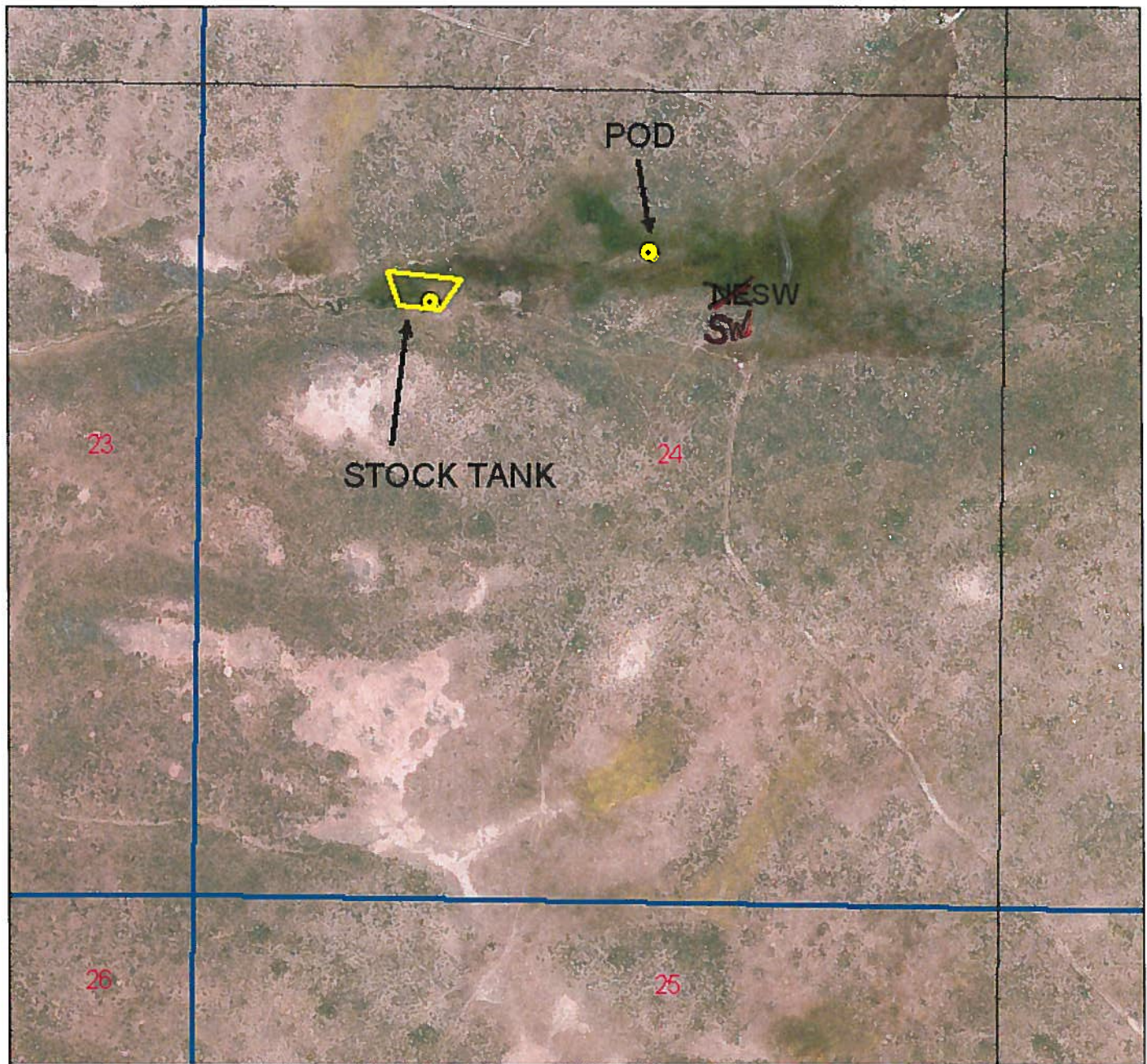
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

I. AUTHENTICATION

Field Examiner's Name Kelly K. Christensen Date Oct 2, 2012

Reviewer _____ Date _____

63-31344 LICENSING PLACE OF USE



★ LOCATION IN BASIN

PLACE OF USE
TWP 01N, RNG 10E Sec 24
Data Entry on October 4, 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





Photo 1

You are looking west in this photo across the stocktank. The west side of the uke tire tank settled slightly making that area slightly lower than the overflow pipe installed in the center of the trough.



Photo 2

Stocktank

You are looking west in this photo toward the tank which is just to the right of the jeep. This is the approximate beginning of the spring development. As there is no longer any water coming to the surface above the stocktank physical characteristics of original development is not obvious. Between this point and the stocktank there is some indication of the pipeline route. This is the best estimate of the POD.



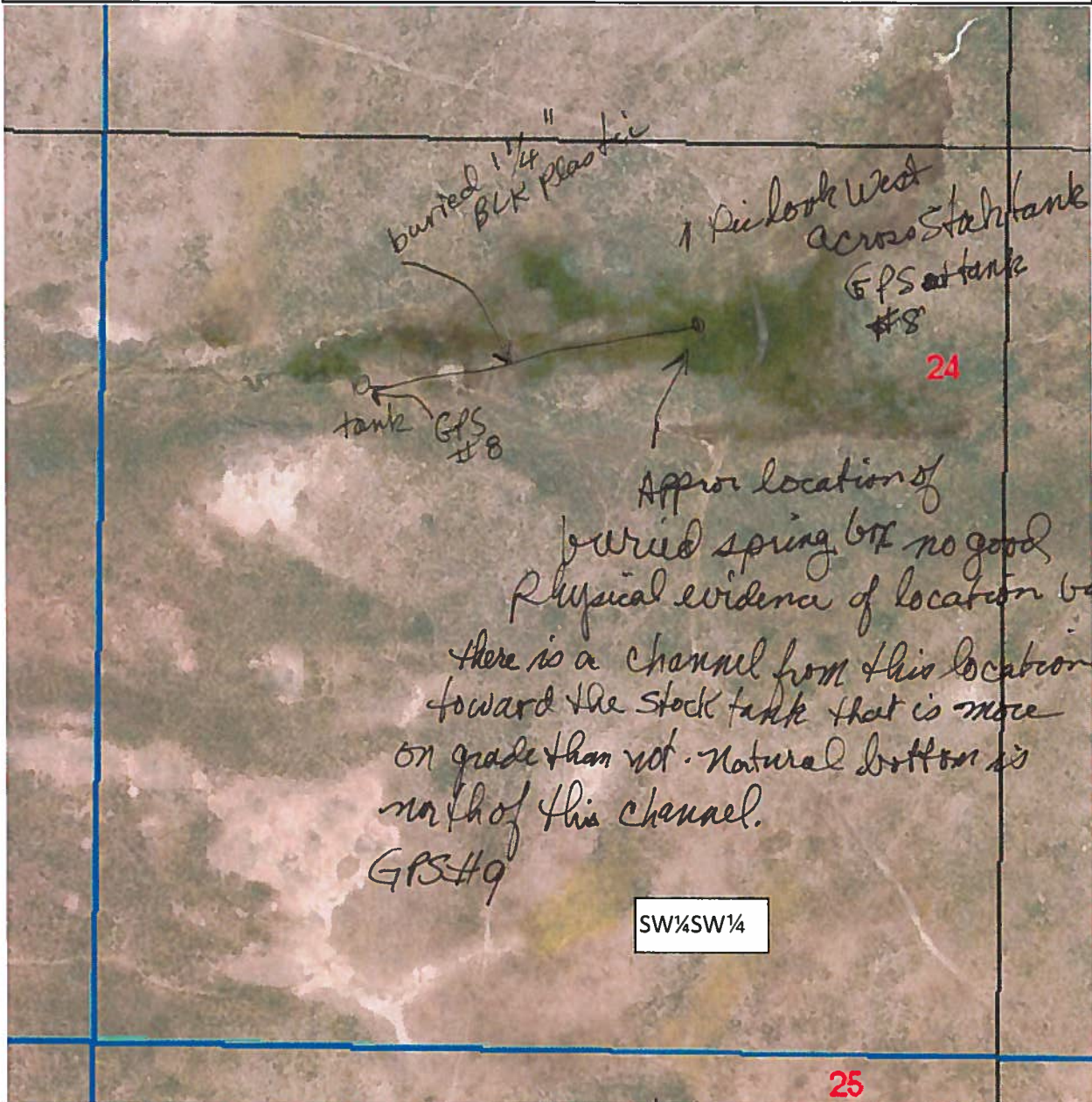
Photo 3

You are looking east southeast in this photo which shows the overflow from the stocktank.

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1N, 10E, Sec 24 SW $\frac{1}{4}$ SW $\frac{1}{4}$

Spring development to trough



line into 8 uke line 1 1/4" steel

buried 1 1/4" blk plastic
for spring Box