

Method of Determination: Dam and pond area visible on imagery.

Change in POU? X Y N Amendment Required? X Y N

 Delivery System Diagram Attached (required). Indicate all major components and distances between components.

 Indicate weir size/pipe as applicable.

 Aerial Photo Attached (required for irrigation of 10+ acres).

 Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

**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

2. Measurements: < _____ >

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method:

Instream Diversion, no flow measurement required.

Permit allowed = <>.

License <>.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{3cm}}$$

2. Volume Calculations for Other Uses:

Estimated GIS area of pond = 0.3 acre. Per application: Dam height 5 ft. Per permit holder ave. pond depth = 3.5 ft.
Volume of pond calculated as follows: (3.5 ft deep)(0.3 ac surface area) = 1.1 acre feet.

- **Permit allows 1.0 afa**
- **License recommend for 1.0 afa**

G. PURPOSE OF USE

Irrigation _____N # Stock_323 cattle____ Domestic # of Homes _____

Other: Wildlife

Change in Purpose of Use? ____Y__X__N

Method of Determination: Information provided by permit holder.

If Yes: From Use _____To Use _____Amount _____CFS _____AFA_____

H. NARRATIVE/REMARKS/COMMENTS

Red Basin Reservoir No. 1, Project #9904

No Water District
No Fish and Game, Auto-shutoff, Lockable Device, or Measuring Device condition

Have conditions of permit approval been met? __X__Yes ____No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Stockwater Storage	01/01 to 12/31	0.0 CFS	1.0 AFA
Wildlife Storage	01/01 to 12/31	0.0 CFS	1.0 AFA
<u>Totals:</u>		0.0 CFS	1.0 AFA

2. Recommended Amendments

__X__Change P.D. as reflected above ____Add P.D. as reflected above ____None

__X__Change P.U. as reflected above ____Add P.U. as reflected above ____None

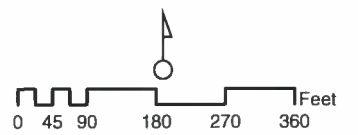
Other:

J. AUTHENTICATION

Field Examiner's Name David L. Brown Date 12-2-13

Reviewer _____ Date _____

55-13851



D. Favreau

11/21/13

NESE

33

12S04W

34

SESE

SWSW

NWNE 2

4

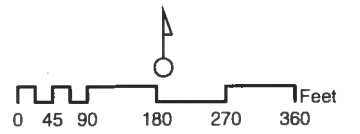
NENE 1

13S04W

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Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

55-13851



D. Favreau

11/21/13

NESE

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12S04W

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SESE

SWSW

NWNE 2

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NENE 1

13S04W

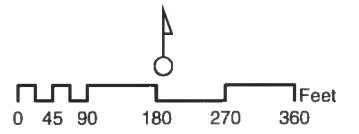
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USDA FSA

2611

2009 NAD

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D. Favreau

11/21/13

NESE

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12S04W

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SESE

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NWNE 2

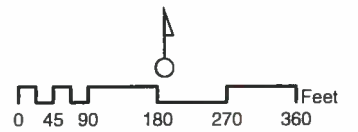
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NENE 1

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2004 NAIP
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D. Favreau 11/21/13

NESE

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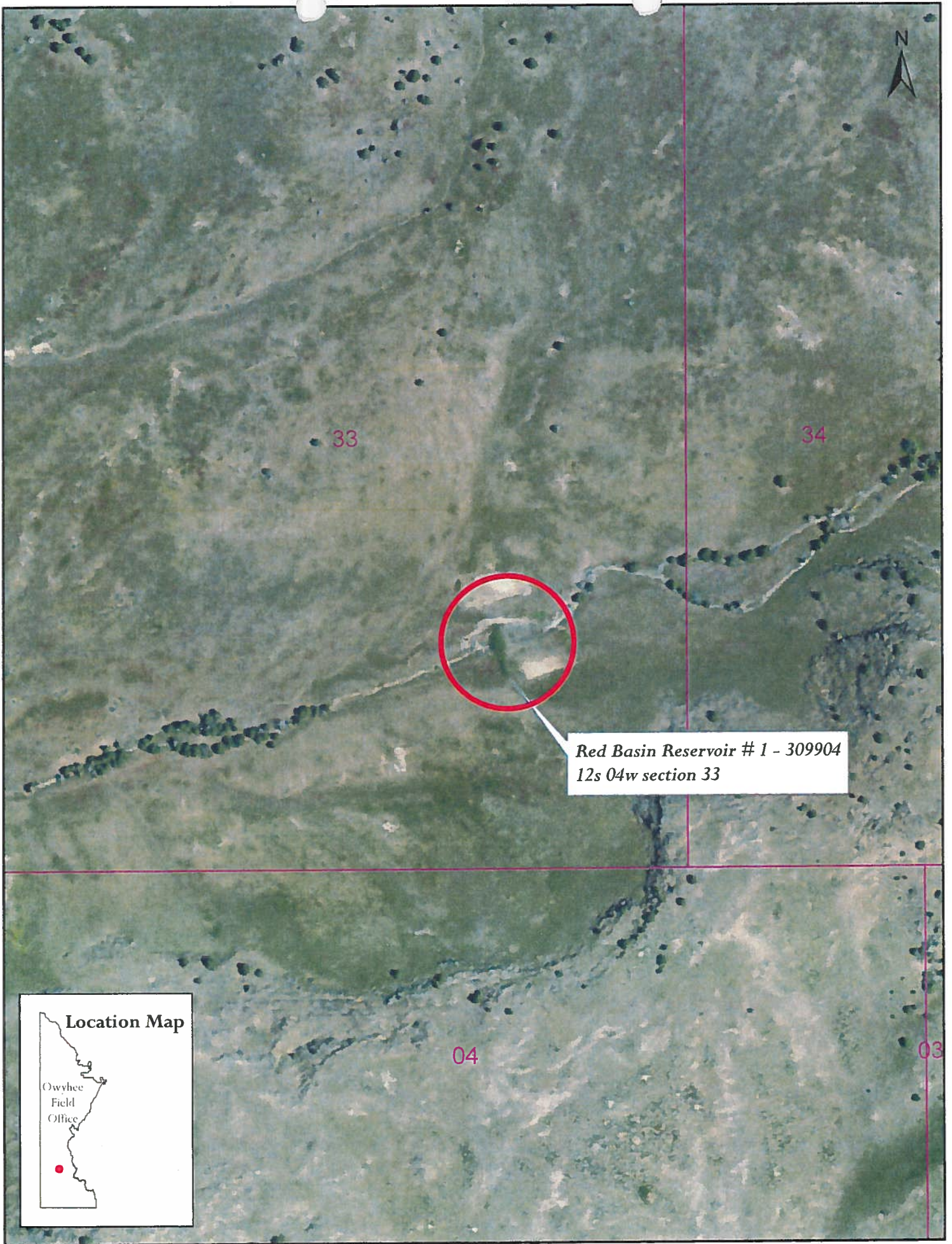
NENE 1

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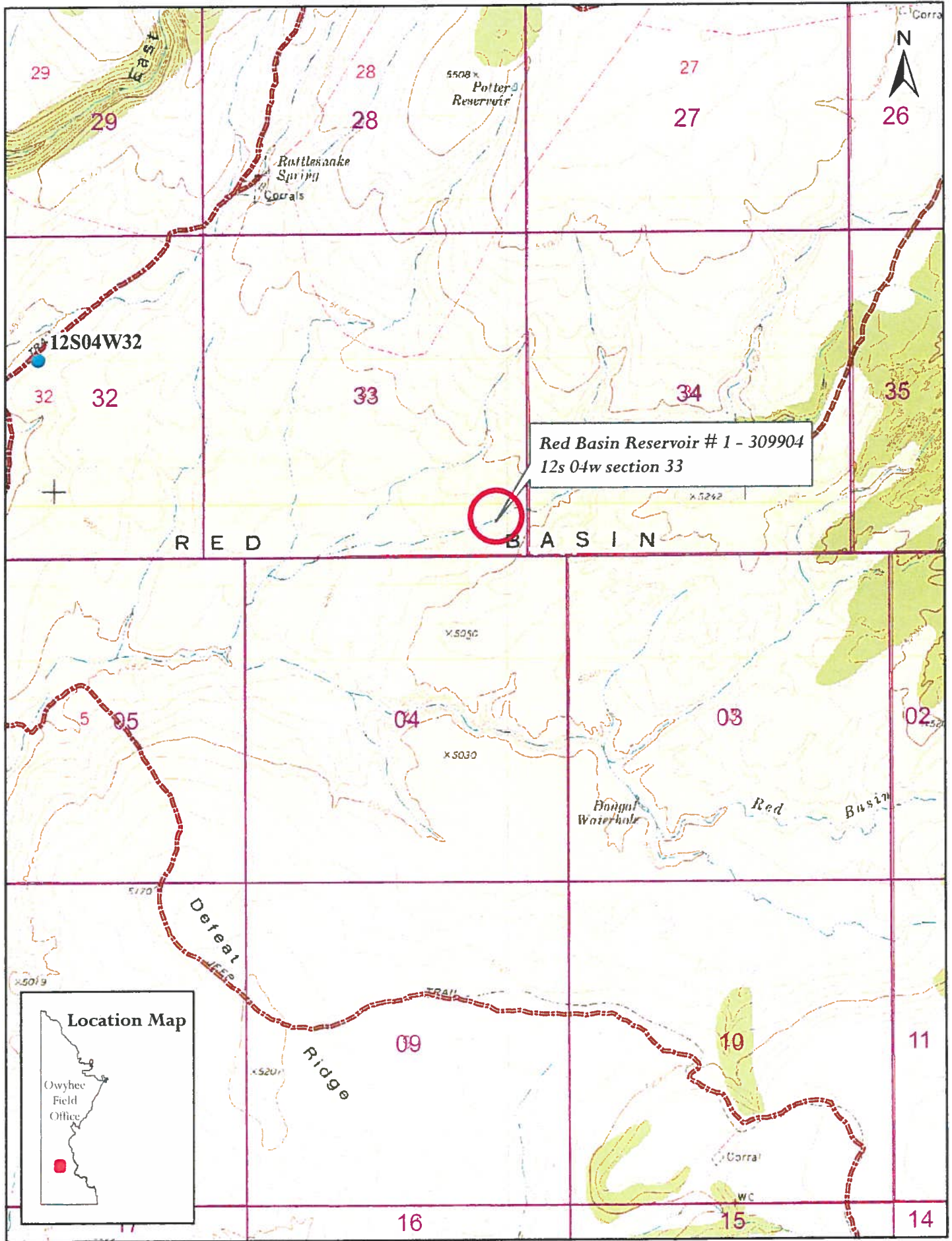
Red Basin Reservoir # 1 . 0990



Map provided by BLM

11-09-12

Red Basin Reservoir # 1 - 309904



11-09-12

map Provided by BLM



