

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 74-16113Exam Date: 05/22/2018

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? x Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Bruce Mulkey
Owner of Record Correct? x Y N
Address of Record Correct? x Y N
If No:

3. Fees have been paid: Y N Receipt No: NA- groundwater source for 0.04 cfs or less

4. **SOURCE** **TRIBUTARY**

GROUND WATER

Method of Determination: Permit, Proof and ArcMap

Change in Source: Y x N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:

Water Right No.	Source	Purpose of Use	Basis
74-10015	GROUNDWATER	Domestic/stockwater	Decree
74-405, 74-16040, 74-192, 74-468	Sandy Creek, Pratt Creek	Irrigation	Decree

Comments: < >

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

Water Right No.	Source	Purpose of Use	Basis

Comments: < >

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

Source	Govt. Lot	¼	¼	¼	Sec	Twp.	Rge		County
Ground water			NE	SW	11	20N	23E	B.M.	LEMHI
								B.M.	
								B.M.	

Method of Determination: PERMIT FILE AND COUNTY RECORDS

Change in POD? Y x N Amendment Required? Y x N

2. **PLACE OF USE:** Use: STOCKWATER

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
20N	23E	11								X	X								
Total Acres =																			0

Method of Determination: PERMIT FILE & ARCMAP

Change in POU? ____Y__X__N Amendment Required? ____Y__X__N

3. __ 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:

License recommend for 0.04 CFS**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

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

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

G. PURPOSE OF USE

Irrigation ____Y__X__N # Stock ____150____ Domestic # of Homes ____

Other: < _____ >

Change in Purpose of Use? ____Y__N

Method of Determination: PERMIT FILE

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

STOCKWATER USE: This right is for 150 head of cattle. Application processing memo #3 recommend 0.05 cfs and 2.7 af for 150 head. This permit was issued for 0.04 cfs. The license will reflect the permit rate. The volume will be 2.0 af. See attached worksheet for calculations. Taxlot information shows Bruce Mulkey owns the property located in the NESW and Brent Mulkey owns the property in the SENW that Bruce leases from him. According to the application, one trough will be located on Brent's property.

I have attached maps marked with where I believe the troughs are located. Also attached is a map marking the pipeline. You can see the pipeline pretty clear in 2017 imagery.

Have conditions of permit approval been met? ☒ 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	01/01 TO 12/31	0.04 CFS	2.0 AF
	<u>Totals:</u>	0.04 CFS	2.0 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

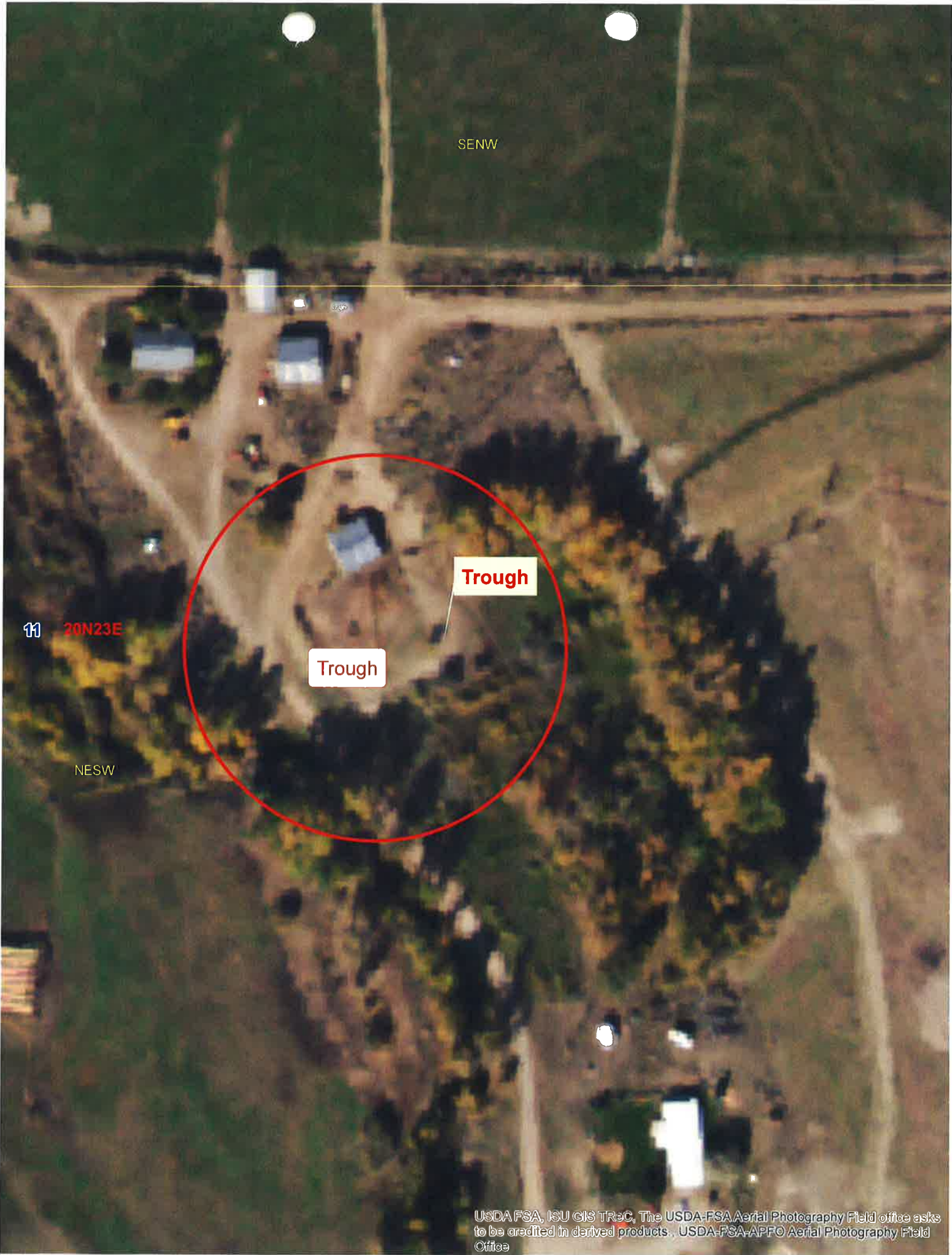
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

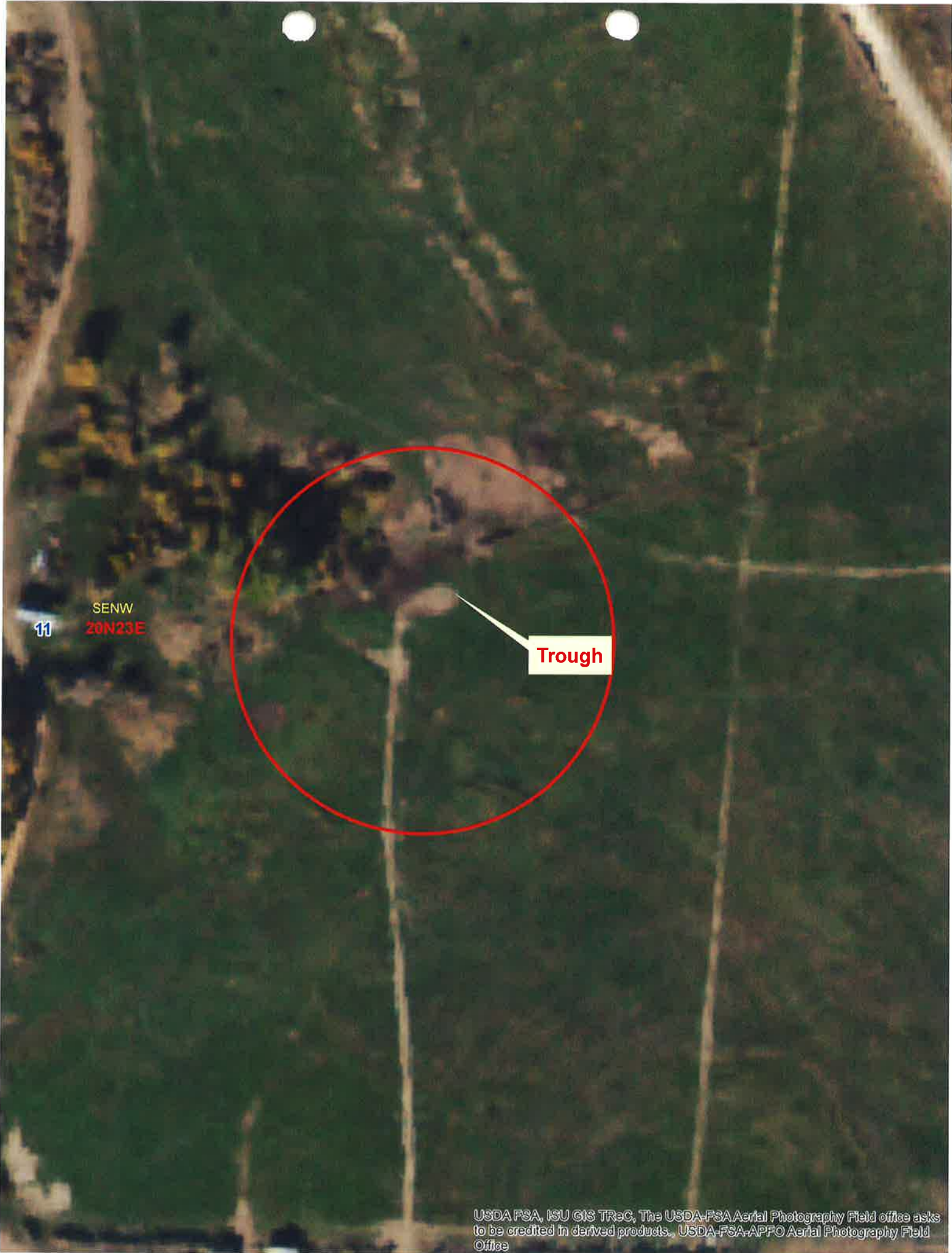
Other: NONE

J. AUTHENTICATIONField Examiner's Name Jan Hershey Date 5-23-18Reviewer David A. Wilson Date 5-23-18





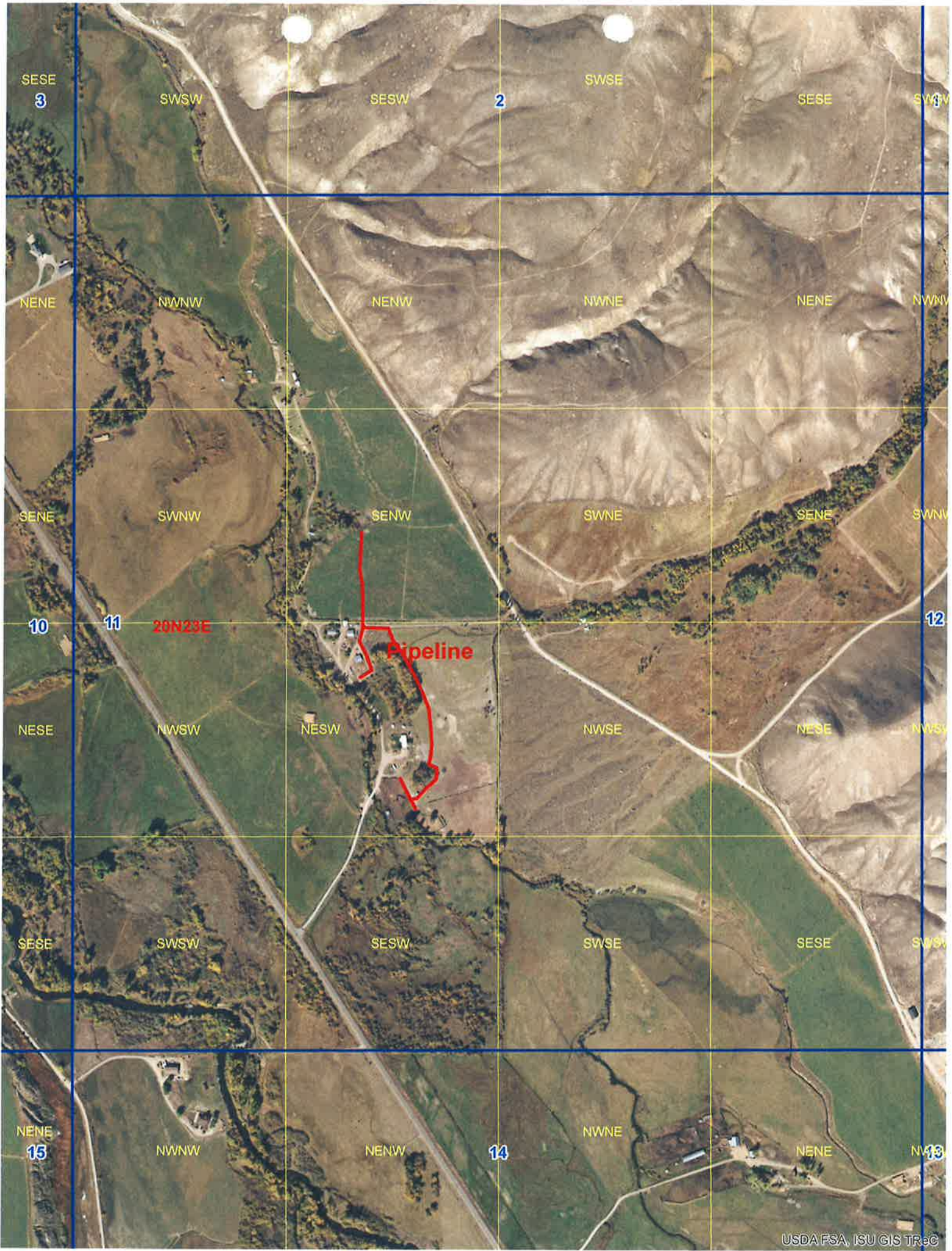




11

SENW
20N23E

Trough



Permit # 74-16070 STOCKWATER USE ATTACHMENT

Complete this worksheet to include stockwater for in-office field exam.

Parcel size _____ acres

Size determined by (tax lot, etc.) _____

Check 1: ☐ County confirmed nothing prohibits type & number of stock for parcel

☐ Alternate confirmation, list: _____

G.2, Volume Calculations- AF only 1 decimal place

Complete the following only if permit includes both:

- Period of use is all year
- Stock is range cattle, horses &/or mules

Volume required (Vr):

$$\frac{150}{\text{\# animals}} \times 0.0134 = \underline{2.01} \text{ AF}$$

Volume diverted (vd):

$$\frac{104}{\text{Permit cfs}} \times 365 \times 1.9835 = \underline{28.9} \text{ AF}$$

Volume recommended = smaller of Vr and Vd

$$= \underline{2.0} \text{ AF only 1 decimal place}$$

Appropriating Memo #3 recommends for 150 head - 105 cfs & 2.7 AF

Other cases- discuss with supervisor before proceeding.

Volume required (Vr):

$$\frac{\text{\# animals}}{150} \times \frac{\text{gpd/animal}}{12} \times \frac{\text{days/year}}{365} = \underline{\hspace{2cm}} \text{ AF}$$

Volume diverted (Vd):

$$\frac{\text{Permit/cfs}}{104} \times \frac{\text{day/year}}{365} \times 1.9835 = \underline{29} \text{ AF}$$

Volume recommended = smaller of Vr and Vd

$$= \underline{\hspace{2cm}} \text{ AF only 1 decimal place}$$

* Signature of Principal Driller and rig operator are required.