

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-17648
Exam Date: 02/01/2021

1. Current Owner:

JAMES L WELLS
AND
RUTH T WELLS
1054 E 3700 N BUHL ID 83316-6038

2. Accompanied by: Jim Wells

Phone No: 208-308-1950

Address: Same as above

Relationship to permit Holder: Permit Holder

3. **SOURCE:**

GROUND WATER

Method of Determination: Noted well head, and pipe leading from well head, with hook-ups for filling stock troughs.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
47-7270	Ground water	Irrigation	Decree

Comments: Irrigation right 47-7270 is used on farm ground in the same QQs as this permit.

2. Other water rights with the same point-of-diversion:

Water Right No.	Source	Purpose of Use	Basis
47-7270	Ground water	Irrigation	Decree

Comments: Right 47-7270 uses the same well and pump as this permit.

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

GROUND WATER SE¼SW¼, Sec. 12, Twp 10S, Rge 13E, B.M. TWIN FALLS County

Method of Determination: Site visit and ArcMap aerial imagery

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10S	13E	12												X					
10S	13E	13					X												

Method of Determination: Site visit and ArcMap aerial imagery

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
		75			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: Rule 035.01.r of the Beneficial Use Examination Rules indicates direct measurement of the diversion rate is not required for uses other than irrigation and storage if the rate is less than 0.24 cfs.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: NA

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: NA

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: Rule 035.01.j of the Beneficial Use Examination Rules indicates domestic uses as defined in 42-111 Idaho Code are exempt from the volume reporting requirement. This permit is for stockwater use with a 13,000 gallon per day limitation, which would qualify as a part (a) 42-111 domestic use. Therefore, no volume will be assigned to this license.

G. NARRATIVE/REMARKS/COMMENTS

The field exam for permit 47-17648 was conducted on February 1, 2021 with permit holder Jim Wells present. The water is pumped from an existing irrigation well into three stockwater troughs located near the well. Two 4" pipe/hose combinations are attached to the 8" service pipe leading from the well where they feed a permanent 3600 gallon trough and two portable 1000 gallon troughs. On the day of the exam, fresh cow manure and cattle tracks in the dried mud were proof of recent use by livestock.

No measurement was made per Beneficial Use examination rules which do not require a measurement on permit flow rates that do not exceed 0.24 cfs. Additionally, no volume will be assigned to the license because the permit was conditioned with a daily volume limitation of 13,000 gallons per day, which would put it in the same volume category as uses under Idaho Code §42-111, and therefore exempt from the volume reporting requirement in the Beneficial Use Exam rules.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use	Rate of Diversion	
STOCKWATER	01/01 to 12/31	0.04 CFS	

Totals: 0.04 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 ☒ None

I. AUTHENTICATION

Field Examiner's Name Jim Bilzenburg Date _____
 Jim Bilzenburg - Senior Water Resource Agent

Reviewer _____ Date _____



Point of Diversion

Line from well with hoses and pipes used to fill stock tanks



47-17648 Wells



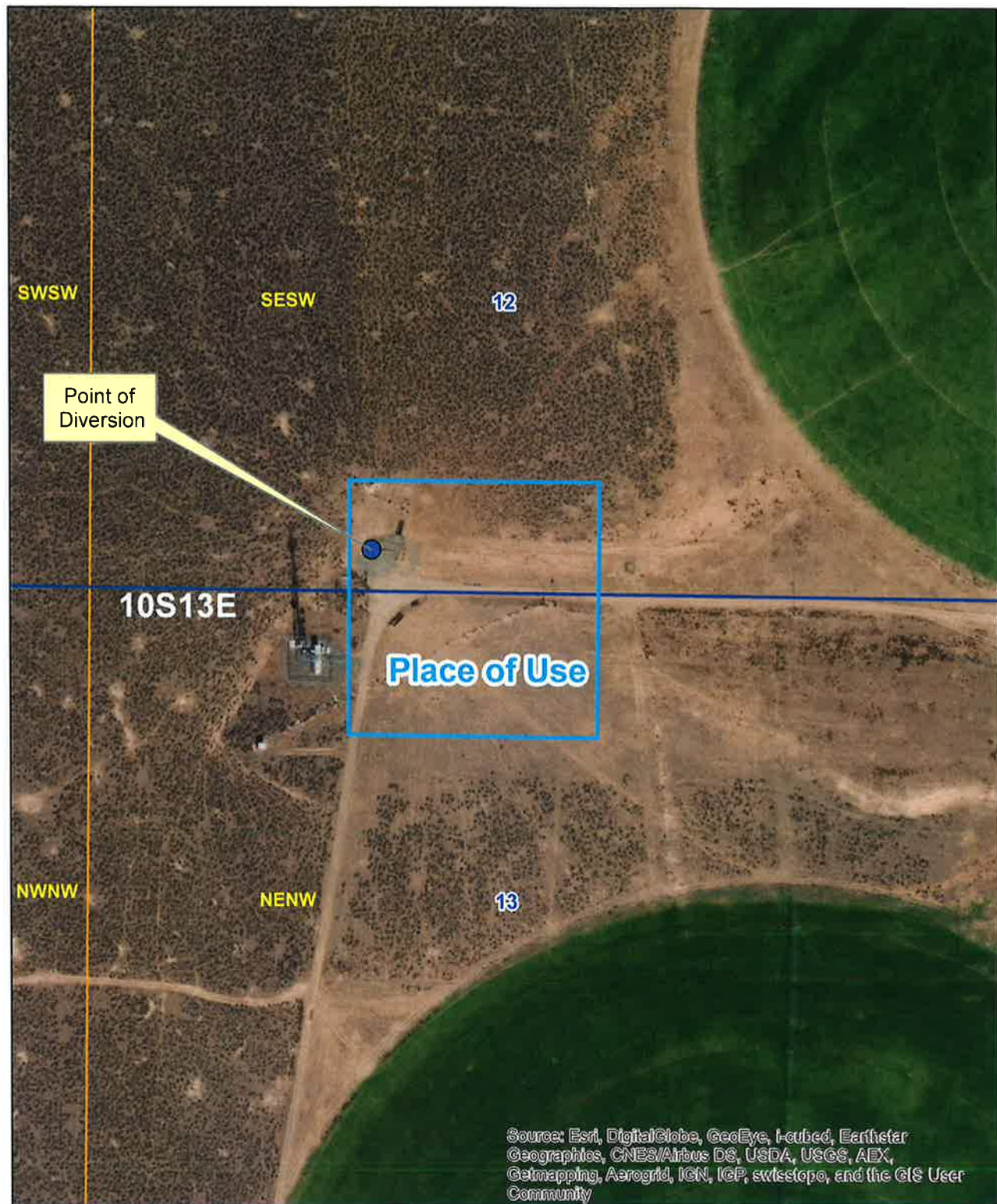
Place of use - 3600 gallon stock trough

Place of use - two 1000 gallon stock troughs



47-17648 Wells

47-17648 - Point of Diversion & Place of Use



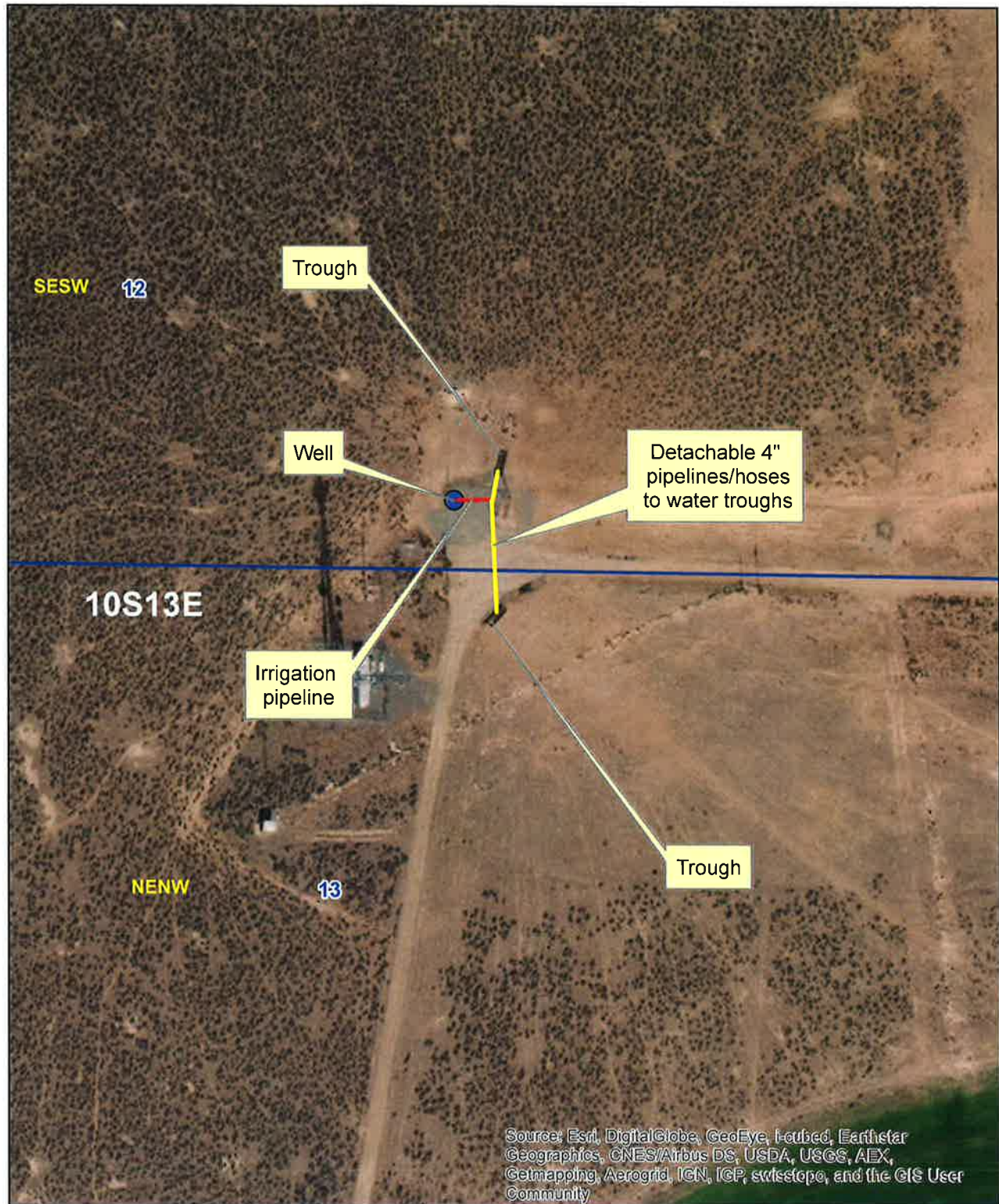
Legend

-  Township/Range
-  Sections
-  QQ

0 0.02 0.04 0.08 Miles



47-17648 System Diagram



Legend

- Township/Range
- Sections
- QQ

0 0.0125 0.025 0.05 Miles



USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name FRANK WELLS

Address CASTLEFORD, IDAHO

Owner's Permit No. _____

7. WATER LEVEL

Static water level 300 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type) _____

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
10"	0	3	TOP SOIL		X
	3	125	CINDERES 10STCUTTING		
	125	138	ROCK - HARD		
	138	144	MED. HARD		
	144	147	SOFT - CINDERES		
	147	161	MED. (W) SOFT SPOTS		
	161	220	SOFT		
	220	226	MED. HARD		
	226	291	HARD		
	291	327	MED. HARD		
	327	382	HARD + BROKEN		
	382	378	SOFT	X	
	378	412	MED. HARD + BROKEN		X
	412	417	SOFT	X	
	417	453	MED. HARD + BROKEN		X
	453	500	MED. SOFT	X	

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 10 inches Total depth 500 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>10</u> inches	<u>1</u> feet	<u>20</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 19' Material used in seal ☐ Cement grout

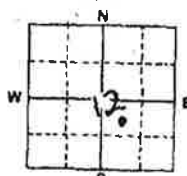
☒ Pudding clay ☐ Well cuttings

Sealing procedure used ☐ Sherry pit ☐ Temporary surface coting

☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County TWIN FALLS

1/4 _____ 1/4 Sec. 12 T. 10 N/S. R. 23 E/W

10.

Work started 7-9-74 finished 7-15-74

11. DRILLERS CERTIFICATION

Firm Name ELSIING WELL DRILLING Firm No. 31

Address P.O. BOX 919 TWIN FALLS Date _____

Signed by (Firm Official) [Signature]

and

(Operator) [Signature]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT