STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34733
Exam Date: 03/12/2024

1. Current Owner:
PECKHAM ROAD TRUST C/O GARY JOHNSTON, TRUSTEE
PO BOX 220 STAR ID 83669

2. Accompanied by: Trey Hart
Phone No: (208) 812-2984
Address: 27443 Peckham Rd, Wilder, ID 83626
Relationship to permit Holder: Feed Lot Manager

3. **SOURCE:**
GROUND WATER

Method of Determination: **Site Visit**

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
63-32164	GROUND WATER	COMMERCIAL	LICENSE
63-31635	GROUND WATER	STOCKWATER	DECREE
63-31636	GROUND WATER	STOCKWATER	DECREE
63-34655	GROUND WATER	STOCKWATER	PERMIT

Comments: _____

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

Water Right No.	Source	Purpose of Use	Basis
63-32164	GROUND WATER	COMMERCIAL	LICENSE
63-31635	GROUND WATER	STOCKWATER	DECREE
63-31636	GROUND WATER	STOCKWATER	DECREE

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
GROUND WATER SW¼ NE¼, Sec. 21, Twp 04N, Rge 05W, B.M. CANYON County
GROUND WATER SW¼ NE¼, Sec. 21, Twp 04N, Rge 05W, B.M. CANYON County
GROUND WATER NE¼ NW¼, Sec. 21, Twp 04N, Rge 05W, B.M. CANYON County
GROUND WATER SE¼ NW¼, Sec. 21, Twp 04N, Rge 05W, B.M. CANYON County

Method of Determination: Site Visit and GPS

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	
04N	05W	21		X	X		X	X	X	X									

Method of Determination: Site Visit and GPS

3.

X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

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

X 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
D0100106		25			
D0078765	CentriPro	5	500C313		
D0083246	Pentek	5			
D0097585	Franklin Electric	25			2366158120

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Portable	Ultrasonic	GE	PT878			

2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Flow meter

The point of diversion in SENW, Section 21, T04N, R0SW (Well Tag D0097585) did not have connection to electricity service. Despite there being no electricity, there, is no accessible straight pipe to attach a flow meter. The system is identical to the point of diversion in NENW QQ (Well Tag D0100106) with a 25hp pump and 4-inch diameter pipe, Theoretically, the diversion can produce a rate similar to the NENW diversion. That rate being 0.7 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses:

Annual volume for a total of 12,000 head of cattle

$$\frac{(12{,}000 \text{ cattle} \times 12 \text{ gallons per day per cow})365}{325{,}850} = 161.3 \text{ af}$$

Annual volume for 3,000 head as developed under 63-34733,

$$\frac{(3000 \text{ cattle} \times 12 \text{ gallons per day per cow})365}{325{,}850} = 40.3 \text{ af}$$

G. NARRATIVE/REMARKS/COMMENTS

A field exam was conducted for water permits 63-34655 and 63-34733 on March 12, 2024, by Jared Adamson and accompanied by Trey Hart who works as the manager for the Peckham Road Trust feed lot. The feed lot has 12,000 head cattle when at peak capacity. Four diversions supply the water system. A fifth diversion supplies the office, shop, and horse stables.

The site visit began at a diversion (Well Tag 00067290) that supplies the office, shop, and horse stables. This well was drilled in July 2014 and is not connected to the other four wells and does not supply water to the cattle. A maximum diversion rate of 0.05 CFS was recorded at this diversion, The well does not appear to be associated with the application for permit since it does not supply water for the cattle as listed in both applications 63-34655 and 63-34733. A new well was constructed in the same QQ as this one that is connected to the system that supplies water to the cattle in the feed lot. This diversion should be identified as the water right POD in the NENW. If 00067290 is to be added to the right, the permit will need an amendment to add a second POD in the NENW. However, because this well does not supply water to the place of use or is used for the cattle within the feed lot, a separate application for permit could be submitted for commercial use.

A measurement was made at the new diversion in the NENW QQ (Well Tag 00100106). A diversion rate of 0.7 CFS was recorded at this diversion. The well was constructed in March 2023 and is connected to the three other wells, creating a looped system that supplies water to the cattle corrals within the feedlot. Two wells (00083246 and 00078766) within SWNE QQ are within 60 feet of each other and are linked before being connected to the looped system. Well Tag 00078766 is also the diversion for water right 63-32164. A diversion rate of 0.13 CFS was recorded.

The point of diversion in the SENW QQ (Well Tag 00097585) has had all installation completed except for the connection to the power company. The well house and plumbing are identical to Well Tag 00100106. Despite there being no electricity there is insufficient straight pipe to use the portable flow meter for a measurement. No measurement was conducted.

The place of use consists of multiple stock yards/corrals. The feeding of beef cattle within the stock yards is active. Water is being put to beneficial use for Stockwater.

Existing water rights 63-31635 and 63-31636 authorize enough stockwater use for 6,000 head of cattle. Since another 6,000 head were added during the development of permits 63-34655 and 63-34733, for a total of 12,000 head, permit 63-34655 should be licensed for the full 0.66 cfs it was initially permitted for, and a volume of 40 af. Permit 63-34733 should be licensed in accordance to an additional 3,000 head of cattle, also at 0.66 cfs and 40 af. Since the total flow rate of all four rights adds up to 2.25cfs, but the measured total flow rate was 1.67 cfs, the license for the most junior right, 63-34733, should contain a combined rate limit of 1.67 cfs when combined with all other rights.

Have conditions of permit approval been met? X Yes ____ No

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	
STOCKWATER	01/01 to 12/31	0.66 cfs	40 af
	Totals:	0.66 cfs	40 af

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above X None

____ Change P.U. as reflected above ____ Add P.U. as reflected above X None

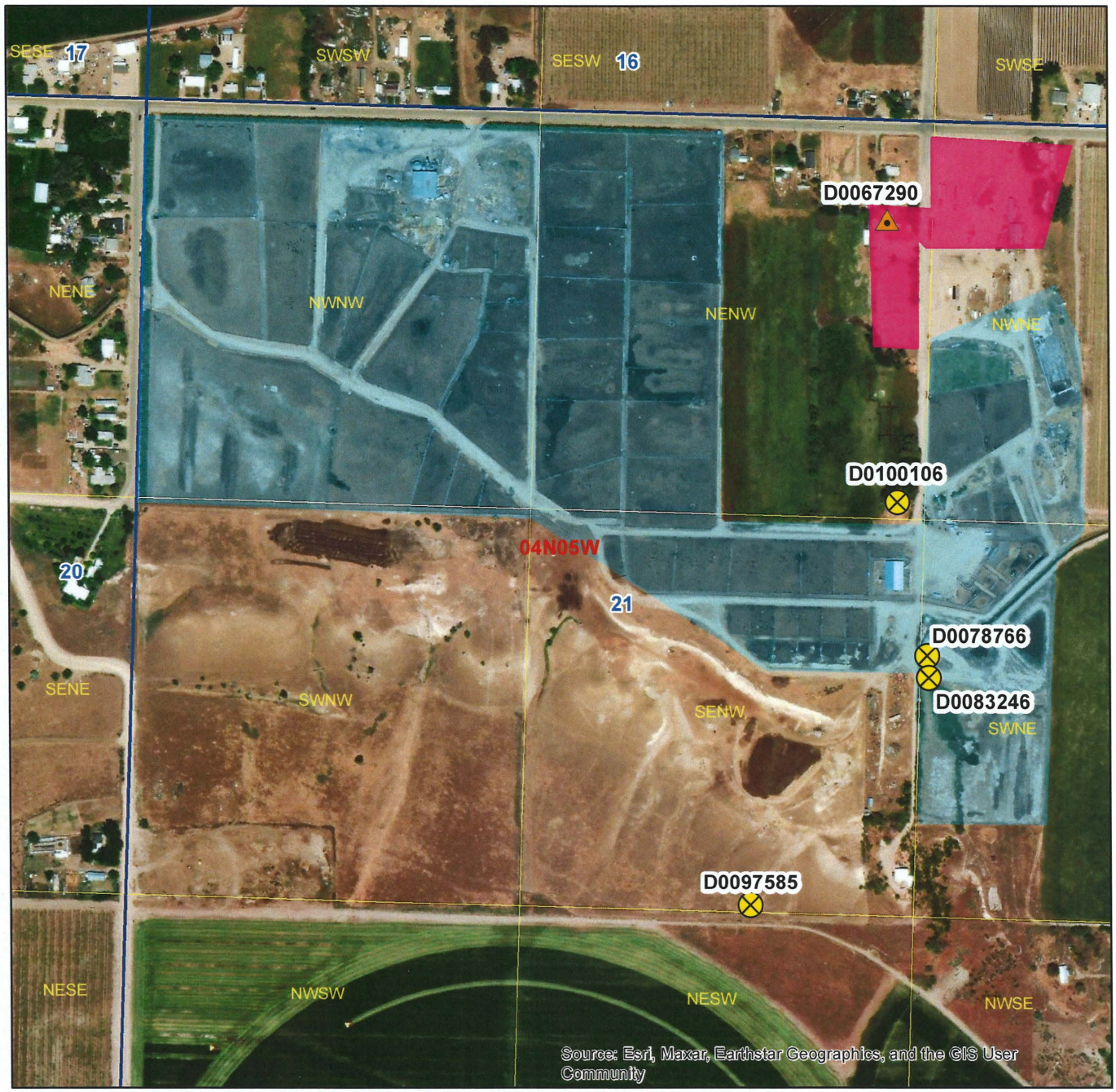
I. AUTHENTICATION

Jared Adamson -

Field Examiner's Name for Jared Adamson Date 4/15/2024

Reviewer Date 4/15/2024

Licensing Exam
63-34655 and 63-34733



D0067290 Office/Shop Well

Water Permit POD

Feedlot System POU

POU for Office Shop and Horses

Township/Range

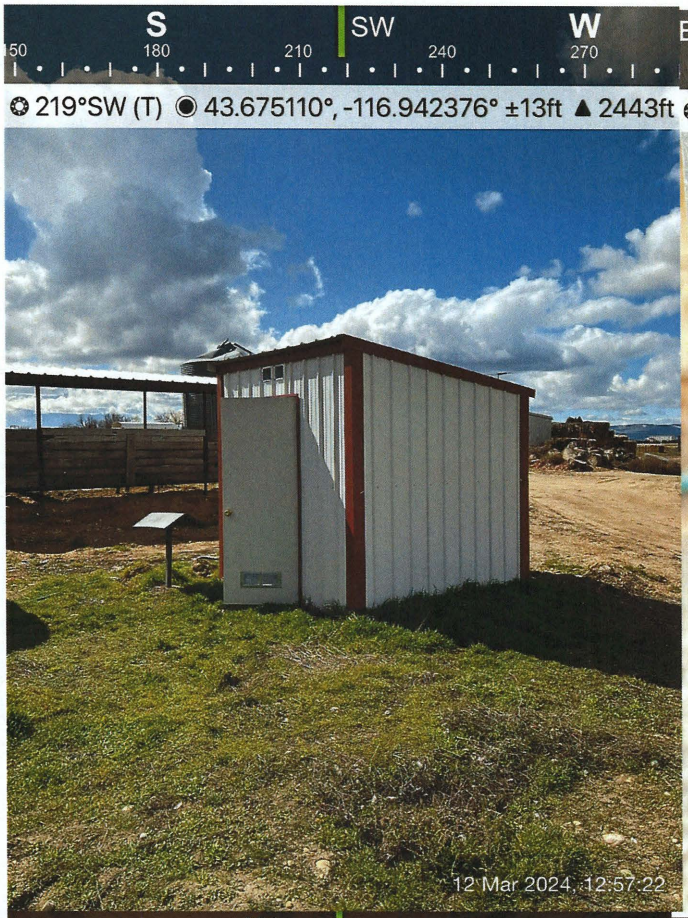
Sections

QQ

0 250 500 1,000 Feet

N

D0067290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SW
W
150
180
210
240
270
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E
S
SW
W
150
180
210
240
270
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IDAHO DEPARTMENT
OF
WATER RESOURCES
D0067290
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DO NOT REMOVE
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W
NW
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270
300
330
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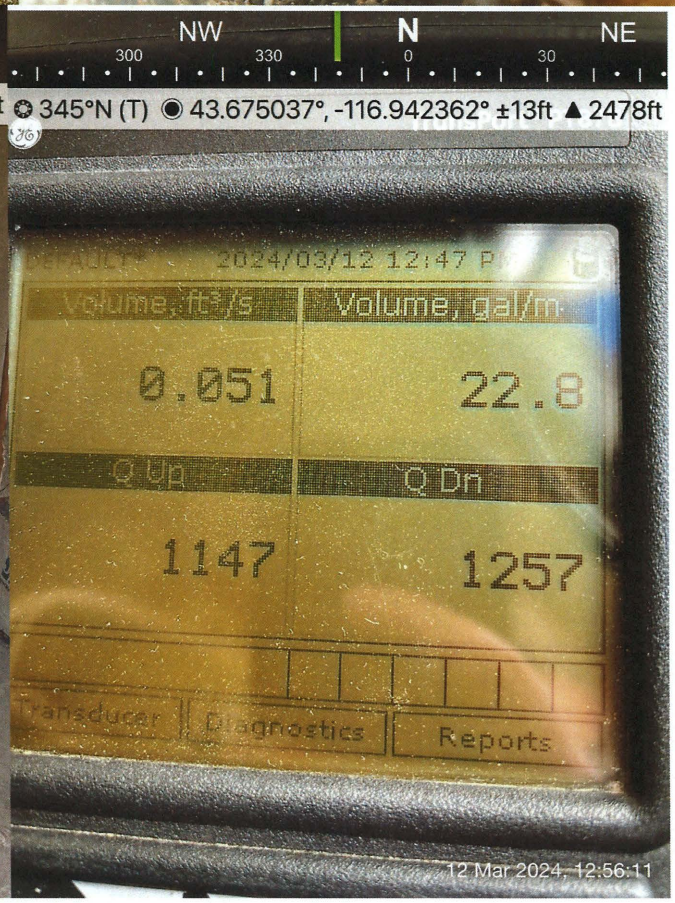
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NE
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330
0
30
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Volume, gal/m
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22.8
Q Up
Q Dn
1147
1257
Transducer
Diagnostics
Reports
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D0100106

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S
SW
120
150
180
210
240
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SE
S
SW
120
150
180
210
240
189°S (T) 43.672369°, -116.942173° ±13ft 2454ft
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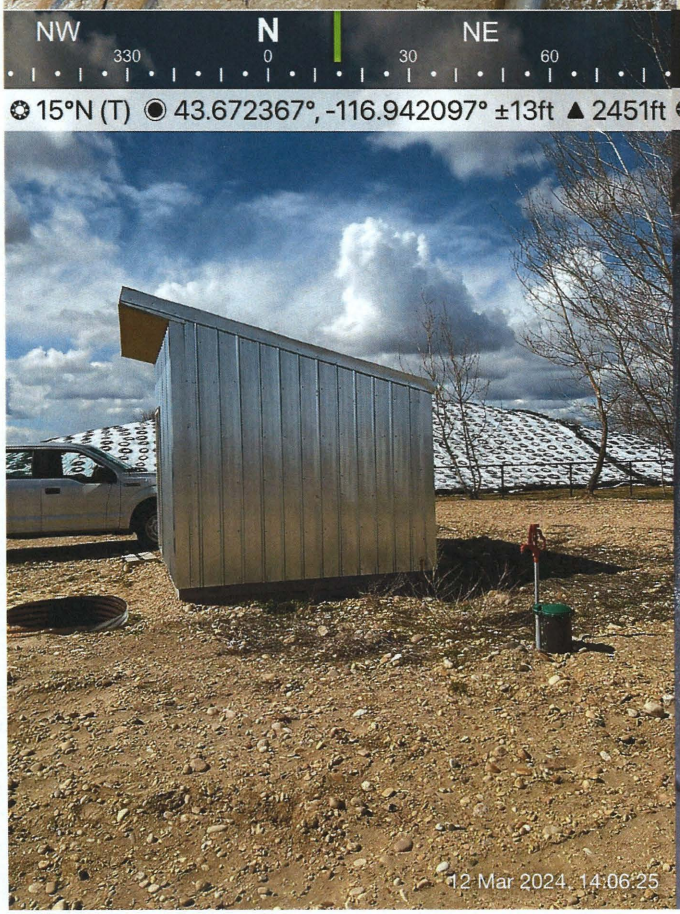
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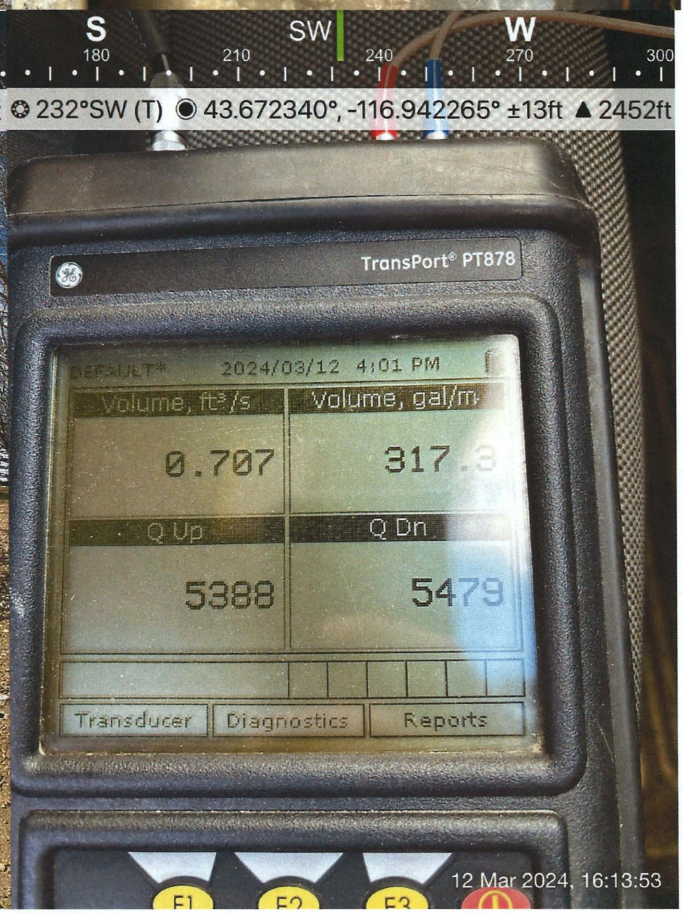
S
SW
W
180
210
240
270
300
232°SW (T) 43.672340°, -116.942265° ±13ft 2452ft
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DEFAULT* 2024/03/12 4:01 PM
Volume, ft³/s
Volume, gal/m
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317.3
Q Up
Q Dn
5388
5479
Transducer
Diagnostics
Reports
F1
F2
F3
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D0078766

NE
E
SE
0
60
90
120
150
101°E (T) 43.670998°, -116.941820° ±13ft ▲ 2440ft
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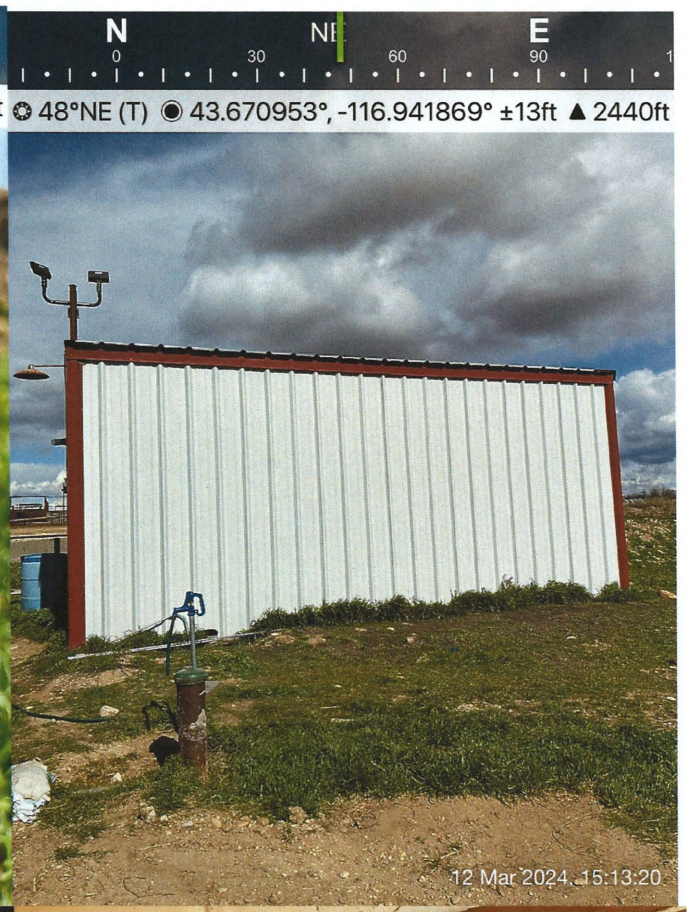
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E
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30
60
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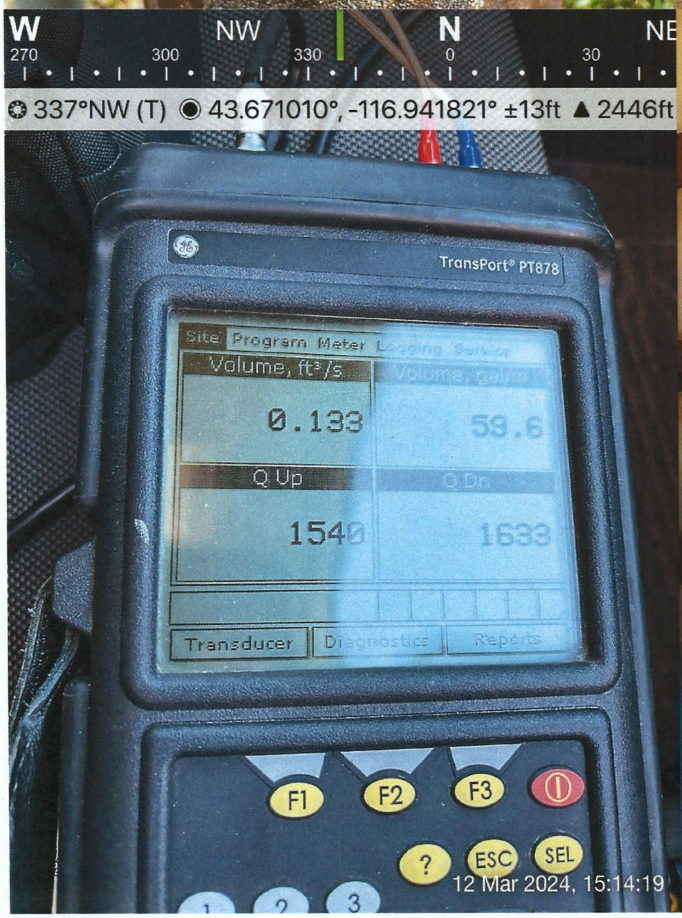
W
NW
N
NE
270
300
330
0
30
337°NW (T) 43.671010°, -116.941821° ±13ft ▲ 2446ft
TransPort® PT878
Site
Program
Meter
Volume, ft³/s
0.133
59.6
Q Up
Q Dn
1540
1633
Transducer
Diagnostics
Reports
F1
F2
F3
?
ESC
SEL
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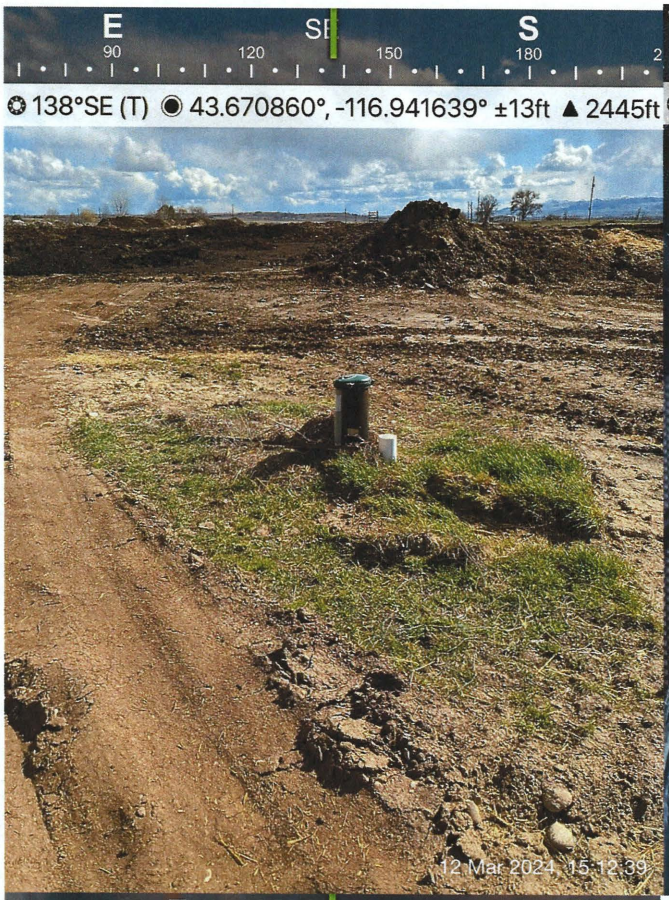
AUT MATER

D0083246


E
SE
S
90
120
150
180
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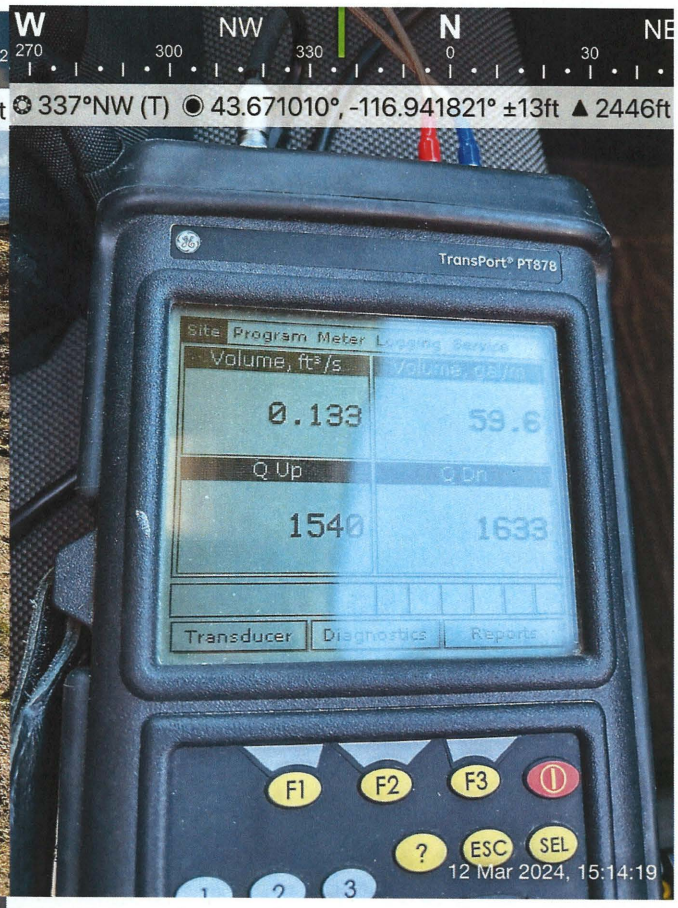
W
NW
N
NE
270
300
330
0
30
337°NW (T) ◉ 43.671010°, -116.941821° ±13ft ▲ 2446ft
TransPort® PT878
Site
Program
Meter
Volume, ft³/s
0.133
59.6
Q Up
Q Dn
1540
1633
Transducer
Diagnostics
Reports
F1
F2
F3
?
ESC
SEL
12 Mar 2024, 15:14:19

E
SE
S
60
90
120
150
180
124°SE (T) ◉ 43.670806°, -116.941596° ±13ft ▲ 2447ft
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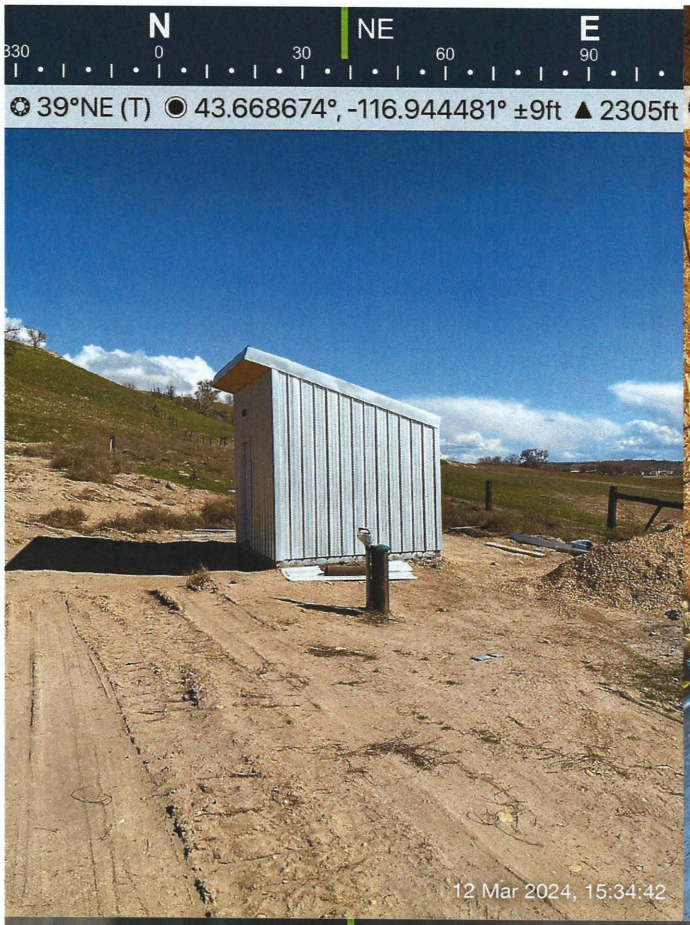
D0097585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NE
E
330
0
30
60
90
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SE
S
SW
120
150
180
210
169°S (T) 43.668636°, -116.944300° ±16ft 2299ft
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SW
W
NW
240
270
300
330
281°W (T) 43.668645°, -116.944379° ±13ft 2307ft
OF
WATER RESOURCES
D0097585
DRILLING PERMIT I.D. TAG
12 Mar 2024, 15:34:56

Place of Use

W NW N N
270 300 330 0 30
335°NW (T) 43.671172°, -116.942505° ±13ft 2451ft
12 Mar 2024, 15:28:10

S SW W
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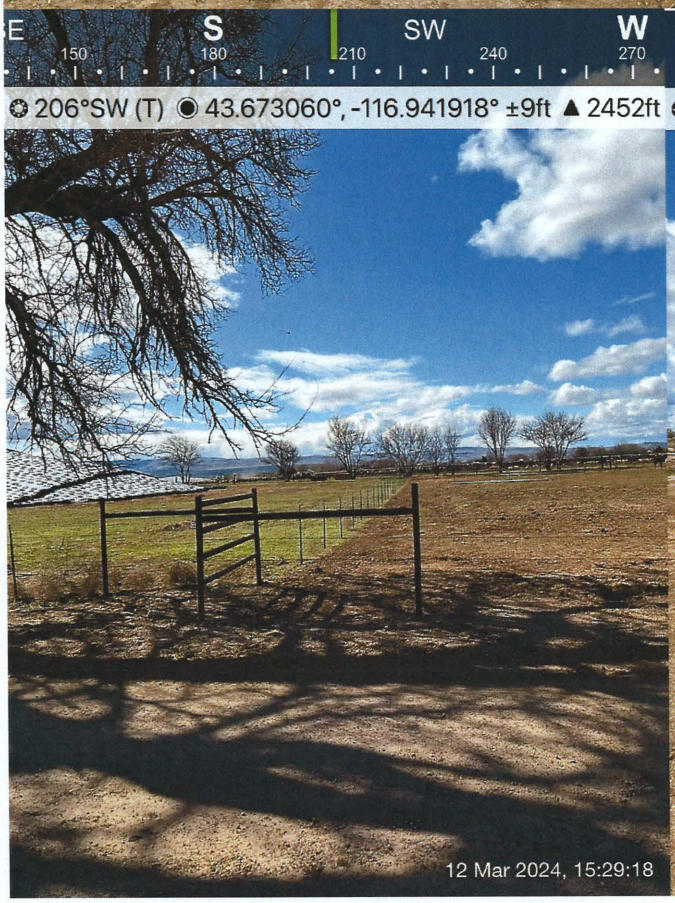
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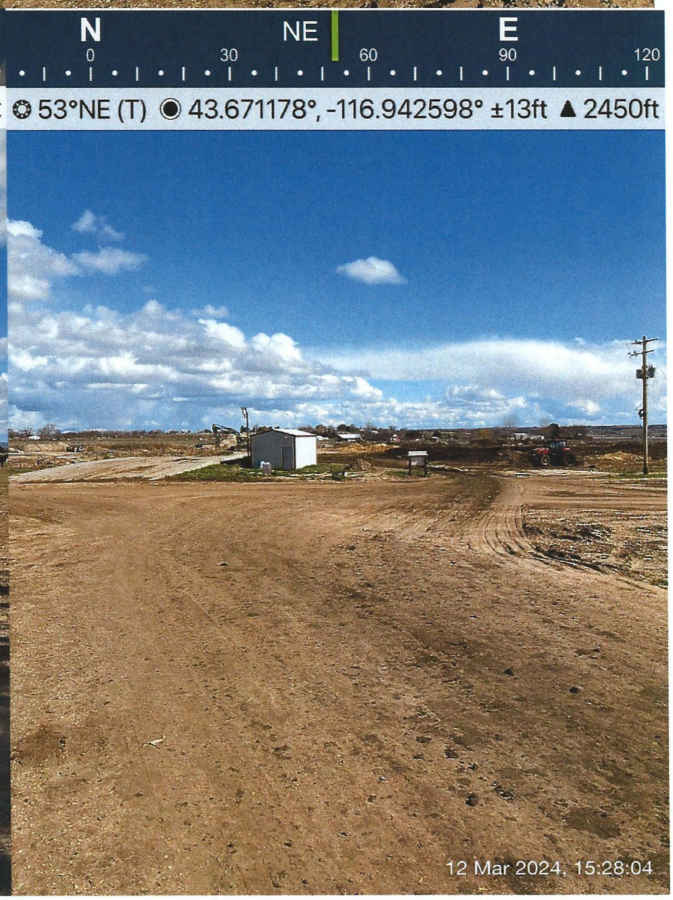
N NE E
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