

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
MAY 22 2014
Department of Water Resources
Eastern Region

A. GENERAL INFORMATION

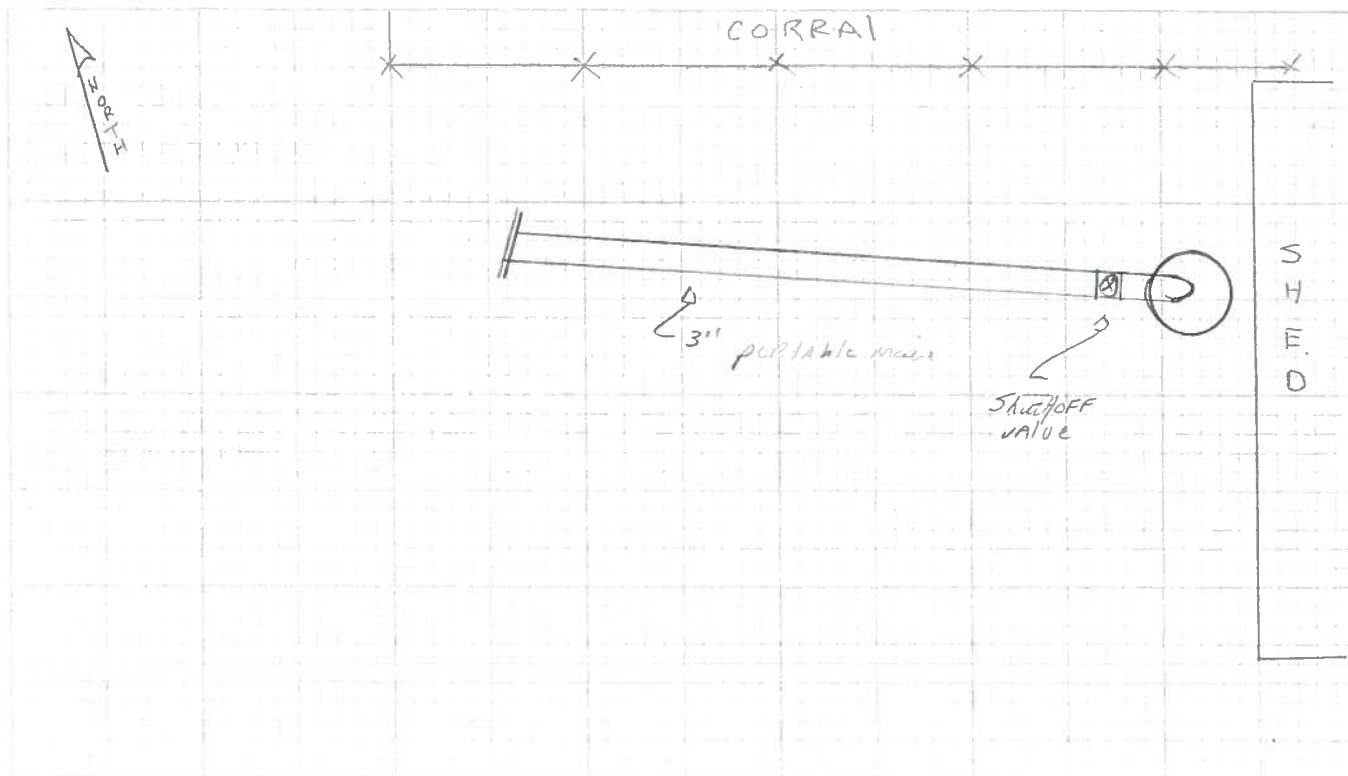
Permit No. 15-7083
1. Owner: Lloyd W. Hubbard Phone No. 766-2692
Current Address: Rt. 2, Box 8, Malad Idaho 83252
2. Accompanied by: OWNER EXAM. DATE: 7-14-1988
Address: 789W HWY 38 Phone No. _____
Relationship to Permit Holder: _____
3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: N/A ☐ Copies Attached
2. Other water rights with same point of diversion: N/A ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required). ☒ Aerial Photo Attached (required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

submersible pump/motor to 3" portable main line then
to 25' hand line sections (Nelson F-33, 5/32" 1072 lps)

well depth = 100' static water level = 15'

pump/motor set at 80'

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Model Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
submersible	FRANKLIN	5	282 1139 202	FRANKLIN	SAME

*Code to correspond with No. on map and aerial photo

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SE	NW	28	14S	36E	Oneida	map & onsite inspection.

6. **Place(s) of Use:**

Indicate Method of Determination _____

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
14S	36E	28					0.4		4.6	15									20
										D									

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

25 birds x 5 gpm = 0.28 cfs

Theoretical: pumping level = 15ft, 5 hp pump, pressure = 45psi

diversion rate = 0.26 cfs

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 20 \times 3.5 = 70$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 26(1.9835)(214) = 110$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 70$

2. Volume Calculations for Other Uses:

domestic 0.6 AF

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Hubbards only own 5 acres of the original place of use.

No other water rights

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRR	4/1	10/31	0.26	70
domestic	1/1	12/31	0.02	0.6
Totals:			0.26	70.6

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

J. AUTHENTICATION

Field Examiner's Name

Signature

Certification Date

Field Report Preparation Date

PARTIAL:

Richard Lewin
Michael L. Linn

CONSULTANT SEAL

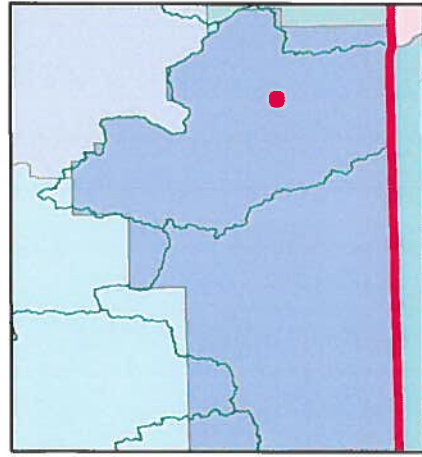
K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.



Idaho Department of Water Resources

Water Right
15-7083
(IRRIGATION)

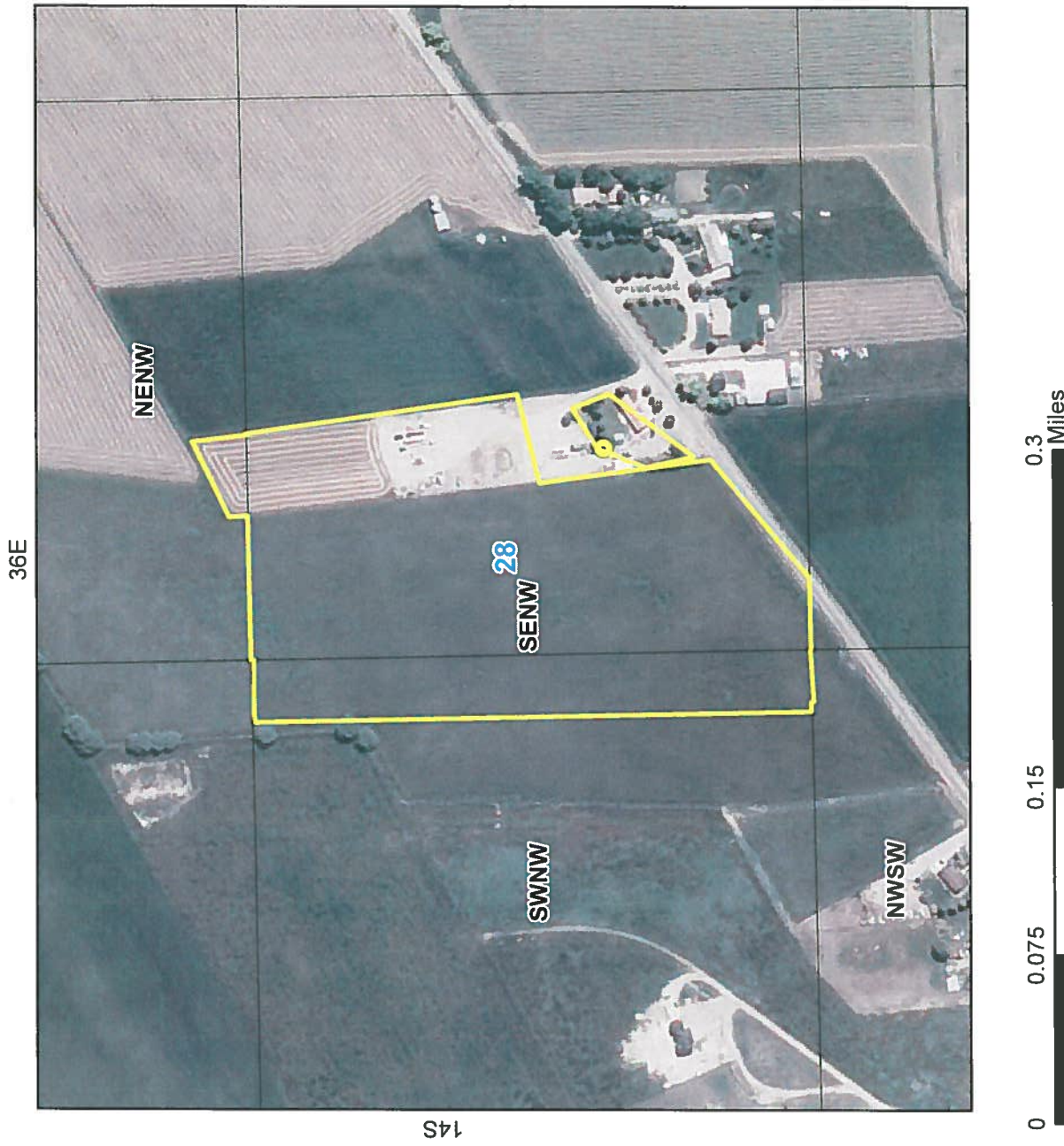
- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Oneida County
IDWR Basin 15

Prepared by Carlson, Dave

2009 Aerial Photography



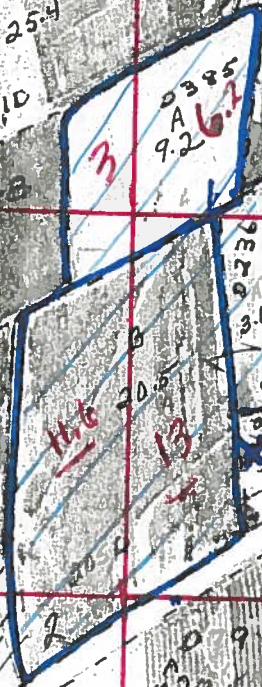
15-7083

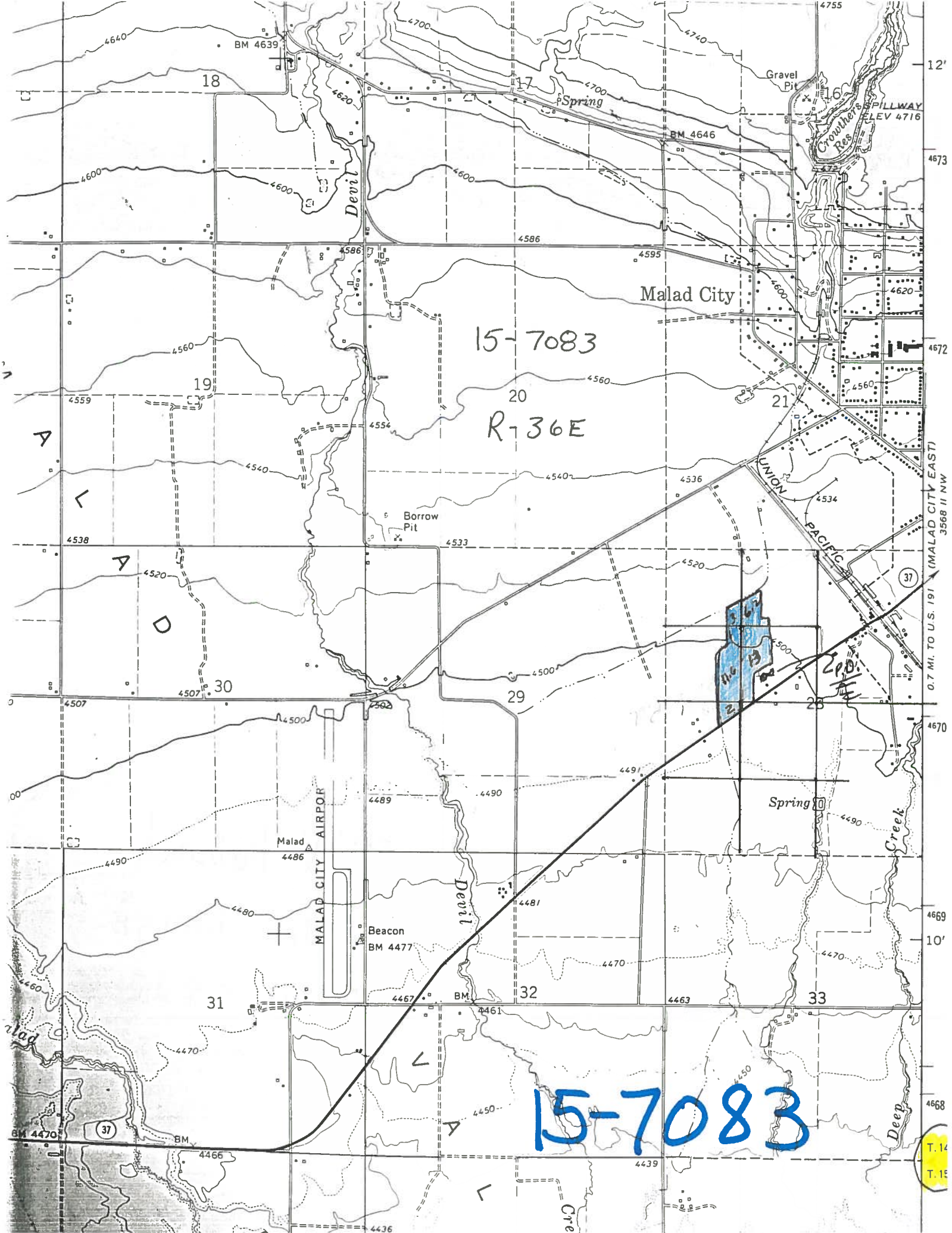
T-14S, R-36E

R36E
T14S

28

15-7083





15-7083
R-36E

15-7083

T. 14
T. 15

15-7083

Mainline



Well