

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-8645

Exam Date: 8/03/07

1. Current Owner: WILLIAM G TARNASKY
752 N DUNDEE DR
POST FALLS ID 83854
(208)773-5579

2. Accompanied by: WILLIAM G TARNASKY

Phone No: (208) 775. 5579 home (208) 773.7527 cell

Address: 752 N DUNDEE DR, POST FALLS ID 83854

Relationship to Permit Holder: SAME

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-2082, 95-2077

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

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

GROUND WATER

NE1/4SE1/4

Sec. 20. Twp 51N, Rge 04W, B.M.

KOOTENAI County

Method of Determination:

Garmin GPS Receiver, USGS Coeur d'Alene 7.5' Quadrangle

2.

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 04W 20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
													X	X	X	X	

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 04W 20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
																X	

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 04W 20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
													10.0	5.0	26.0	38.0	79.0

Total Acres: 79

95-8645

Method of Determination:

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.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
D0022834	unknown	60	unknown	unknown	unknown
—	—	—	—	—	—

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
(see narrative)						

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS

WATER RIGHT No. 95-8645

	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	60	350.9524	0.8	270	35
Q = 1.205 cfs					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 79 \text{ acres} \times 3 \text{ AF} = 237 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (1.205) \times (246) \times 1.9835 = 574.62 = 575$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 237 \text{ AF}$$

2. Volume Calculations for Other Uses.

237.0 AFA Irrigation
 1.3 AFA Domestic
 1.0 AFA Stockwater
 238.3 AFA Total

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G. NARRATIVE/REMARKS/COMMENTS

Overlap analysis. Water Right 95-2082 (Units Water Association) provides domestic water to the farmstead and a single home located within the SE ¼, SE ¼, S 20 T51N R04W, B.M. . Water Right 95- 95-2082 also overlaps this water right by allowing for stock water use in the SW ¼, SE ¼, S 20 T51N R04W, B.M. The Points of Use for water banked Water Right 95-2077 overlap with portions of 95-8645. The U.S. Bureau of Reclamation holds Water Right 95-2077 formerly used by the Post Falls Irrigation District. The District was dissolved in 1991.

Change in Point of Use and Point of Diversion. Permit 95-8645 was originally owned by Dr. Tarnasky and Joseph Wojciechowski. Mr. Wojciechowski owns property located immediately to the North of the Tarnasky property in the NE ¼, SE ¼, S 20 T51N R04W, B.M. . Water from Permit 95-8645 is no longer used on the Wojciechowski property and Mr. Wojciechowski has assigned his portion of the Permit to Dr. Tarnasky. The current Point of Diversion (POD) was found at Lat. 47 Degrees 44.954, Long. 116 Degrees 51.286 using a Global Positioning System (GPS) receiver in the NE ¼, SE ¼, S 20 T51N R04W, B.M. instead of the SE ¼, SE ¼, S 20 T51N R04W, B.M. indicated on the Permit.

The irrigation system was operated during the Field Exam and sufficient wheel lines and irrigation pipe was found on the property to provide for all Permit beneficial uses. The system had just been repaired from damage caused when a tenant turned on the irrigation well while the irrigation wheels lines were closed off. The resulting pressure caused a blow-out in an underground pipe. The system was not operating at maximum capacity. Therefore theoretical calculations were used to determine CFS. 50 cattle were seen on the property. Water lines from the well are available to hook-up for domestic water.

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

H. 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	0.030 CFS	. 1.0 AF
DOMESTIC	01/01 to 12/31	.03-0.066 CFS	.3 AF
IRRIGATION	04/01 to 11/01	1.20 2.400 CFS	237.0 AF
	<u>Totals:</u>	2.400 CFS	238.3 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name William M. May Date 12/14/07
 Reviewer [Signature] Date 1/31/08

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 Fence Line

 Well location GPS 47° 44.954
 116° 51.286

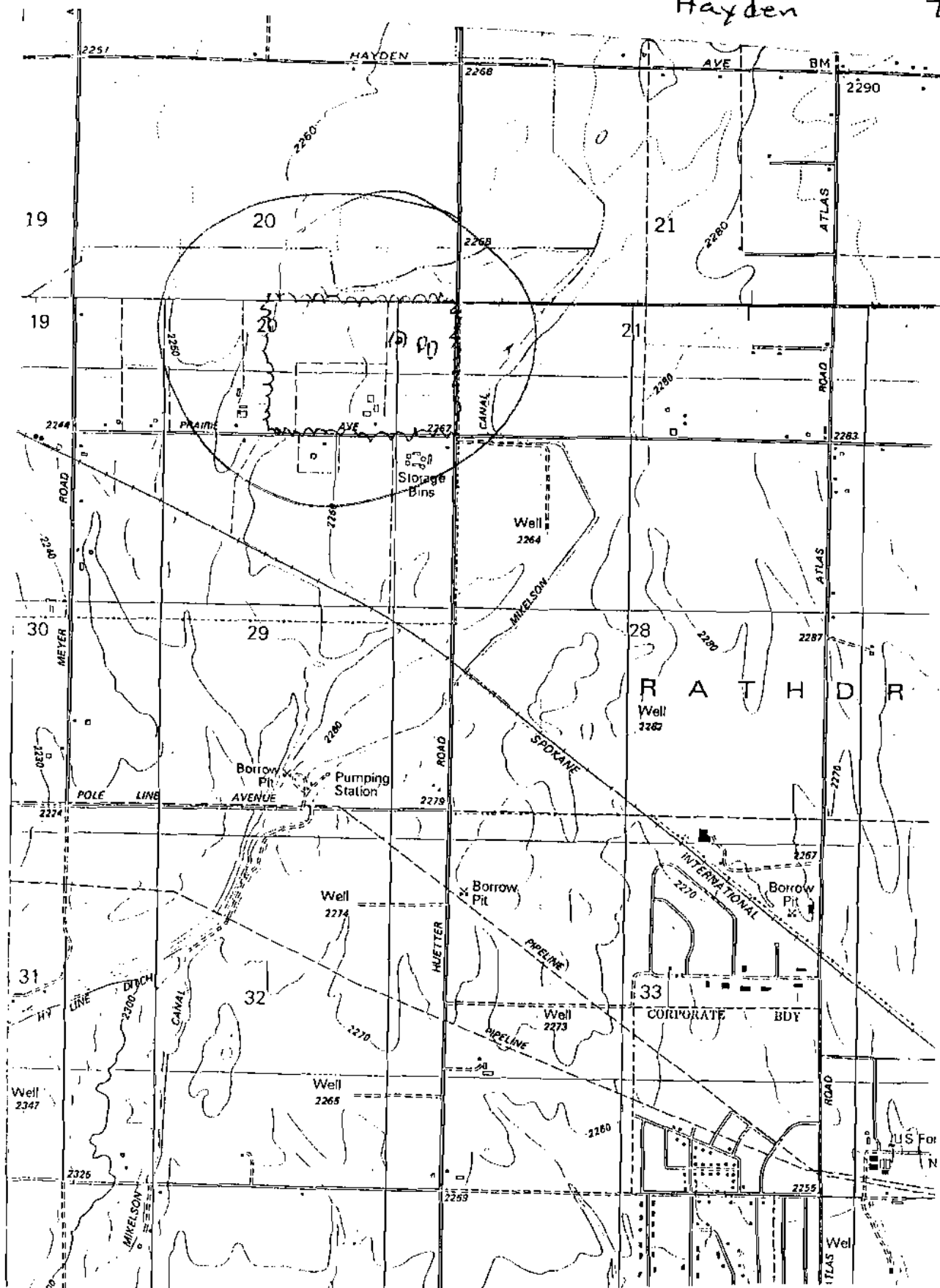
 Surface or Buried Pipe
with risers for wheel
lines & hand lines

 Wheel line (location & length varies)

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T 51N R 04W

USGS
Coeur d'Alene T.5' Quad.
Hayden
T.5' Quad.



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0.2 0 0.2 0.4 Miles

-  GCDB51N04W GCDB
-  Right POD
-  Pod.shp
-  Place of use.shp
-  Administrative BasinsAdminbas.shp



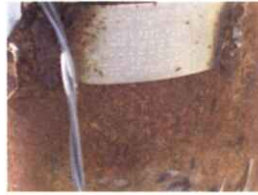
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95-8645 Handline stack.JPG



95-8645 POU SE Corner &
Hayden Hydrant.JPG



95-8645 Tag
D00222834.JPG



95-8645 tag.JPG



95-8645 Under Line & Wheel
1 to N.JPG



95-8645 Underground line to
Prairie AVE.JPG



95-8645 View NE.JPG



95-8645 W end Line 1 &
handline.JPG



95-8645 Well View N.JPG



95-8645 Well.JPG



95-8645 Wheel 1-3.JPG



95-8645 Wheel 2 E End
Rathdrum MT.JPG



95-8645 Wheel 2 Motor.JPG



95-8645 Wheel 2 View
E.JPG



95-8645 Wheel 2 View
West.JPG



95-8645 Wheel 3 extras.JPG



95-8645 Wheel 3 Look
NE.JPG



95-8645 Wheel Line 1.JPG



95-8645 Wheel line 1 and
pipe.JPG



95-8645 Wheel line 1
end.JPG



95-8645 Wheel Line 1 View
S.JPG



95-8645 Wheel Line 2 E
End.JPG



95-8645 Wheel Line 2.JPG



95-8645 Wheel line & hand
line.JPG

95-8645



95-8645 Hand line stack.



95-8645 Point of Use SE Corner & Hayden Hydrant

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95-8645 Tag D00222834



95-8645 Tag

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95-8645 Under Line & Wheel 1 to N



95-8645 Underground line to Prairie AVE.

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95-8645 View NE



95-8645 Well View N

95-8645



95-8645 Well



95-8645 95-8645 W End Line 1 & hand line.

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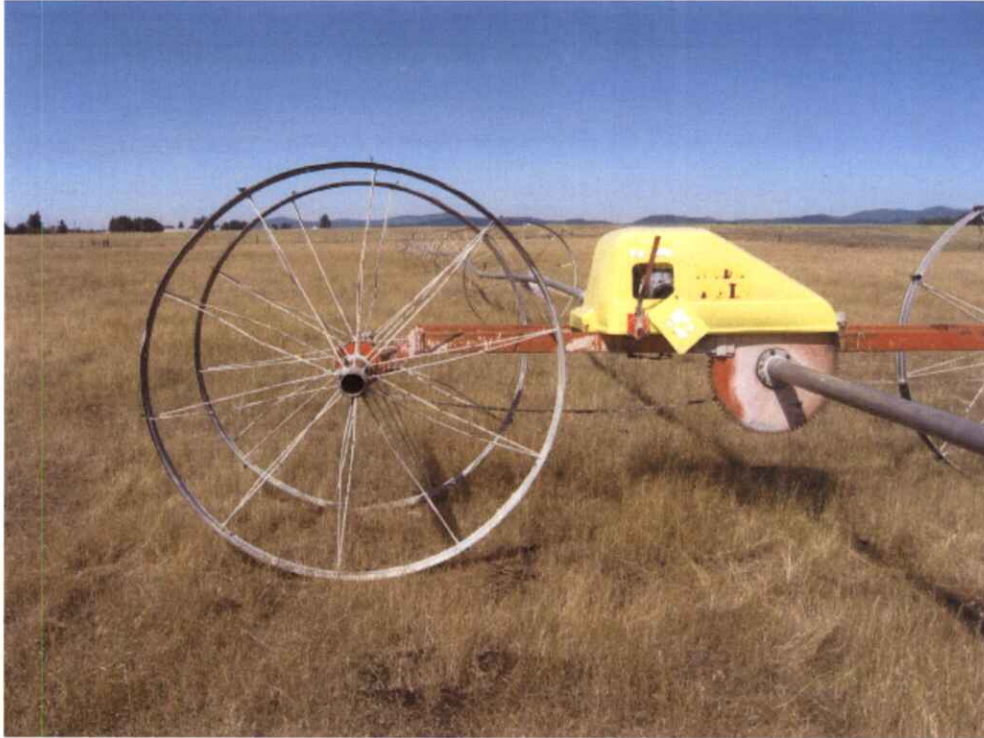


95-8645 Wheel 1-3

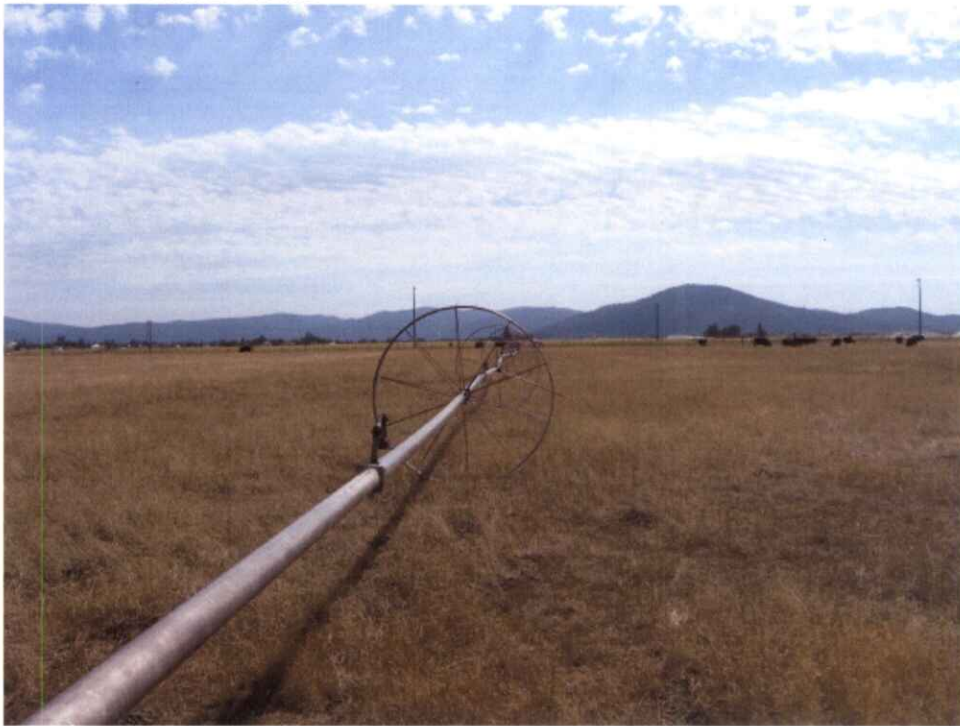


95-8645 Wheel 2 E End Rathdrum MT

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95-8645 Wheel 2 Motor.



95-8645 Wheel Line 2 E

95-8645



95-8645 Wheel 2 View West



95-8645 Wheel 3 extras.

95-8645



95-8645 Wheel line 1



95-8645 Wheel 3 Look NE

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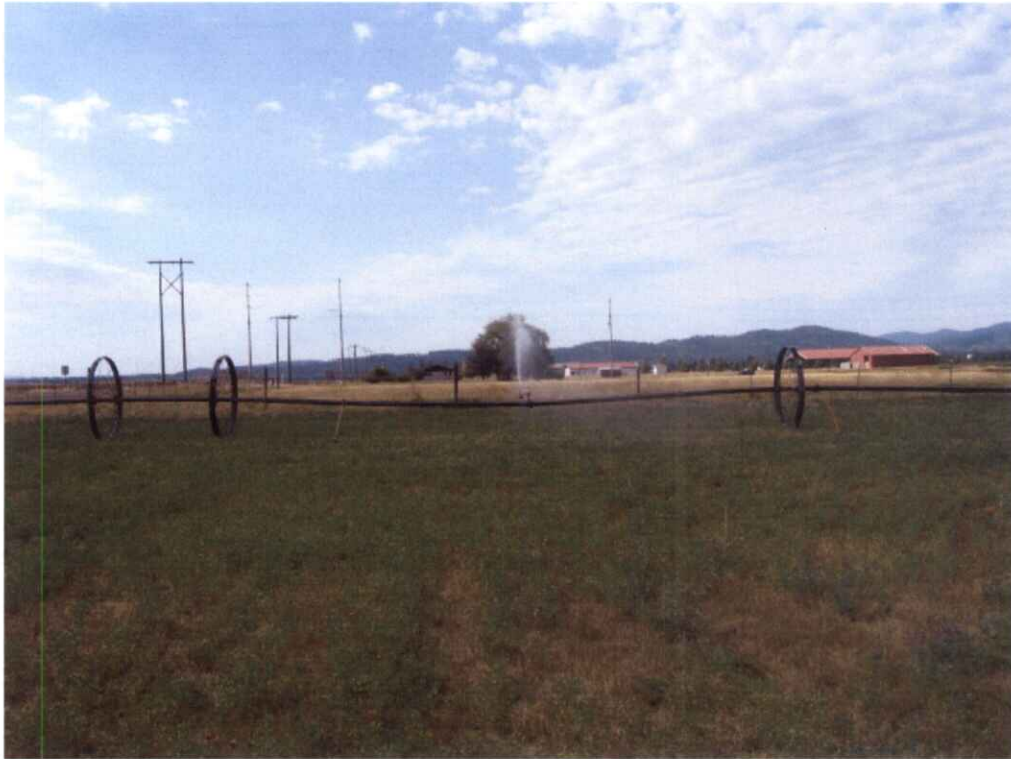


95-8645 Wheel line 1 and pipe



95-8645 Wheel line 1 end

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95-8645 Wheel Line 1 View S.



95-8645 Wheel 2 East End – Rathdrum MT.

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95-8645 Wheel Line 2.



95-8645 Wheel Line & hand line

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Bureau of Land Management - General Land Office Records



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FAQ

Survey Details

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Original Survey

• Twp 51N-4W, ID, Boise (North, East boundaries)

Survey Details

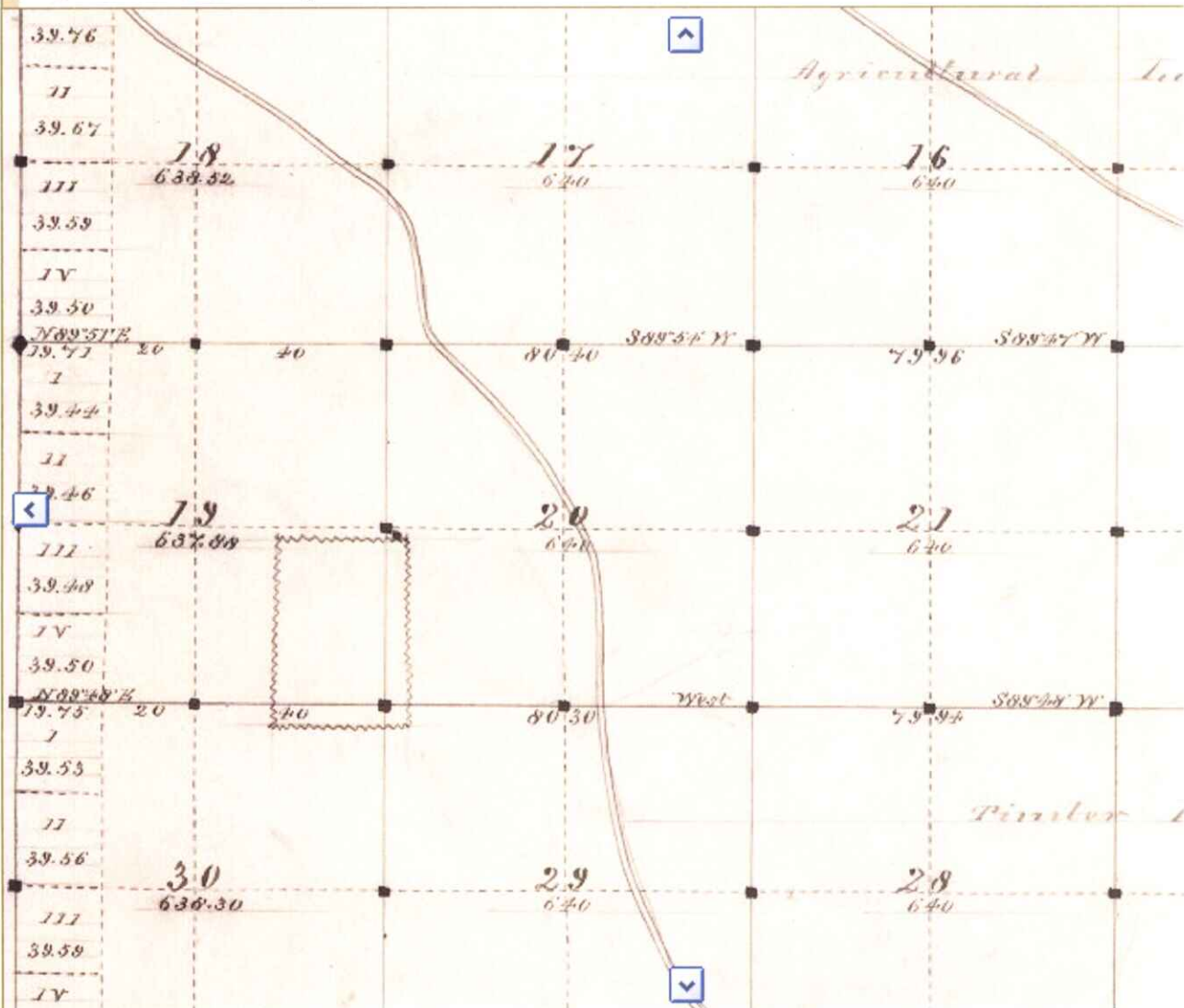
Plat Details

Plat Image

Field Note Images

Page 1

Description: ---



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