

Permit No. 55-07436

Current Address: PO BOX 55, Jordan Valley, OR 97910

Address: PO BOX 55, Jordan Valley, OR 97910 Phone No. (541) 586-2556

3. Source: Unnamed Stream tributary to Soda Creek

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

1. Point(s) of Diversion:

[illegible]

2. Place(s) of Use: Indicate Method of Determination: USGS Quadrangle Map

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.

SEE ATTACHED SHEET.

 X Copy of USGS 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).

 X 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
N/A					

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calibration Date
N/A						

2. Measurements: N/A

E. NARRATIVE/REMARKS/COMMENTS

The point of diversion and place of use are located in the SENE of Section 27, Township 04S, Range 05W. This is an in-stream pond used for stockwater. At the time of the field exam the pond was full. The capacity of the pond is 0.8 AF. I paced the dimensions and estimated the depth of the pond. The calculations are included in the attached worksheet. I recommend that an annual volume of 0.1 AF be allowed. The permit limits the annual volume.

Have the conditions of permit been met? X YES NO

F. FLOW CALCULATIONS

Measurement Method:

_____ Additional Computation Sheets Attached

N/A

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses: Stockwater

Allow a volume of 0.1 AFA.

See attached worksheet.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (AFA)
	From	To		
Stockwater Storage	01/01	12/31	_____	0.1
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			_____	0.1 AFA

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

Richard D. Hansen – Field Examiner

Field Examiner's Name Richard D. Hansen Date: 7/24/00

Reviewer _____ Date: _____

seal

Worksheet for Field Exams - Water Rights 55-07432 through 55-07438

Prepared on 7/21/00 by Richard D. Hansen

Surface Area (SA) = (0.5 x length x width) / 43,560 (square feet)

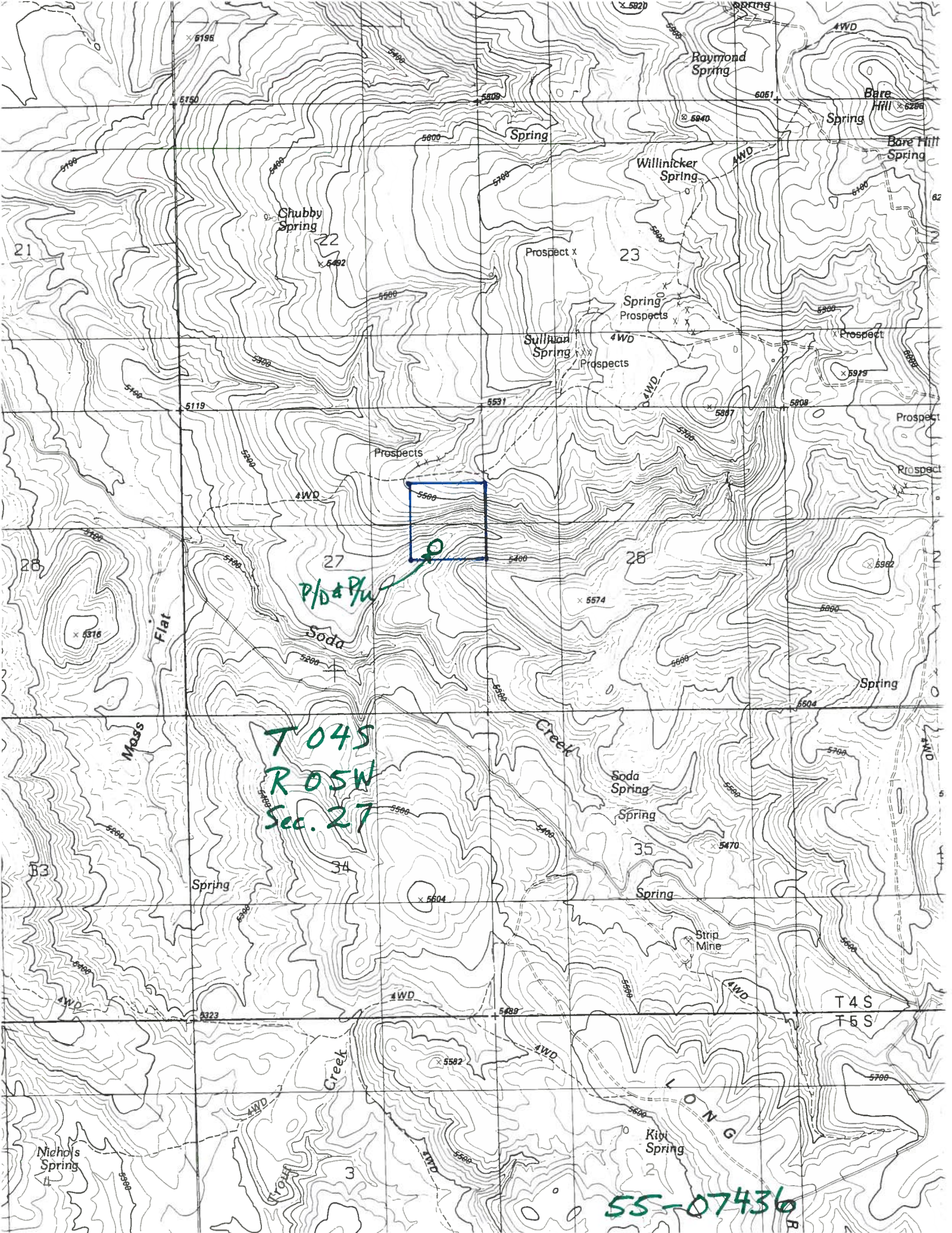
Volume (V) = SA x depth x 0.4 (AF)

	Length (ft)	Width (ft)	Depth (ft)	Surface Area (acres)	Volume (AF)	Permitted Volume (AF)	Deficit Volume (AF)
55-07432	75.0	70.0	7.0	0.060	0.2	0.2	0.0
55-07433	125.0	125.0	10.0	0.179	0.7	0.1	0.6
55-07434	150.0	112.5	12.0	0.194	0.9	0.1	0.8
55-07435	92.5	95.0	8.0	0.101	0.3	0.1	0.2
55-07436	137.5	125.0	10.0	0.197	0.8	0.1	0.7
55-07437	210.0	105.0	8.0	0.253	0.8	0.2	0.6
55-07438	100.0	87.5	8.0	0.100	0.3	0.2	0.1
Totals =					4.1	1.0	3.1

The combined annual volume of the permits is 1.0 AF. The ponds have a total capacity of 4.1 AF. There are 3.1 AF of storage not covered by the permits.

Each permit is for one stockwater storage facility. Mr. Elordi said that he runs 500 head of cattle on the lands surrounding the ponds. Each permit is for 175 cattle. The permits do not indicate that it is the same 175 cattle for each permit. It is implied that it is the same 175 cattle because the ponds are located within the same grazing allotment. An annual volume of 2.3 AF is required for 175 cattle. For 500 cattle the annual volume required is 6.7 AF. Mr. Elordi should submit additional applications to include the 3.1 AF of storage and the 325 animals not covered by the permits.

A remark allowing for the refreshment of the ponds should be added when the permits are licensed.



T04S
R05W
Sec. 27

P/O & P/W

55-07436



Point of Diversion and
Place of Use



55-07436

7-13-00

55-07436

Depth
~10 ft

Pond was
full

WATER

137.5 ft

55 paces

dam

50 paces →
125 ft

$$17,187.5 \text{ ft}^2 = .395 \text{ acre}$$