

WPA

Permit No: 25-13964

Page 1

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-13964

Exam Date:

1. Current Owner: CITY OF AMMON
2135 S AMMON RD
AMMON ID 83406
(208)529-4211

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

RECEIVED
MAY 22 2006
DEPARTMENT OF WATER RESOURCES

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

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

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	SW1/4SW1/4NE1/4	Sec. 27,	Twp 02N,	Rge 38E, B.M.
BONNEVILLE County				
GROUND WATER	NE1/4SE1/4NW1/4	Sec. 30,	Twp 02N,	Rge 39E, B.M.
BONNEVILLE County				

Method of Determination:

2. ON SITE GPS

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.

Well or Diversion

<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 Size</u>
#9	Westinghouse	200	7611	Unknown	12"
#6	U.S. Motors	100	JOS-8867-M	Johnson	14"

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N 38E 2	X L1	X L2	X	X	X L3	X L4	X	X	X	X			X	X			
01N 38E 3	X L1																
02N 38E 10															X		
02N 38E 15		X	X		X	X	X	X	X		X	X		X	X		
02N 38E 21	X			X									X				X
02N 38E 22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
02N 38E 23		X	X		X			X	X	X	X	X	X	X	X	X	X
02N 38E 24										X	X				X		
02N 38E 25	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
02N 38E 26	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
02N 38E 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
02N 38E 28	X			X									X				X
02N 38E 33	X			X									X				X
02N 38E 34	X	X	X	X	X	X	X	X	X	X	X			X			
02N 38E 35		X	X	X	X	X	X	X	X	X	X	X		X	X		
02N 39E 19															X	X	
02N 39E 29						X	X			X	X						
02N 39E 30	X	X	X	X	X	X L1	X L2	X		X L3	X L4	X	X	X	X	X	X
02N 39E 31	X	X	X	X	X			X									

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
#9	Totalizing	McCrometer		20024015-06	6" UPSTREAM	?
#9	"	"		05-05636-8	8" DOWNSTREAM	?
#6	Totalizing	McCrometer		UNK	14"	?

2. Measurements:

upstream + Downstream
Well # 9 826 gpm + 1106 gpm = 1927 gpm

Well # 6 2500 gpm
Q TOTAL = 1927 + 2500 = 4427 gpm = 9.86 cfs

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

System under permit has two wells (#6 & 9).

Well #9 System - Well, Pump with 12" discharge, 200 hp Westinghouse Electric Motor (S/N 7611), two (2) flow meters, mainline to storage tank or directly into municipal water system for the City of Ammon. Up-hill McCrometer meter (6"), S/N 20024016-06 measured flow = 826 gpm. Down-hill McCrometer meter (8"), S/N 05-05636-8 measured flow = 1101 gpm. Total flow from Well #9 = 1927 gpm = 4.29 cfs.

Well #6 System - Well, Johnston Pump with 14" discharge, 100 hp US Motor Electric Motor (S/N J03-8FG67-M, McCrometer flow Meter on mainline to Storage tank. Water from storage tank is diverted by booster pumps to municipal water system for the City of Ammon. Measured flow from McCrometer Flow Meter = 2500 gpm

Total Capacity of Well #9 and #6 = 1927 gpm + 2500 gpm = 4427 gpm = 9.86 cfs

Note Well #6 also under License 25-7023 at 2.79 cfs.

Total unlicensed flow from Well #9 and Well #6 = 9.86 cfs - 2.79 cfs = 7.07 cfs.

Recommend Licensing 25-13964 at permitted amount of 6.70 cfs.

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>
MUNICIPAL	01/01 to 12/31	6.700 CFS	
<u>Totals:</u>		6.700 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name Keith C. White Date 5/12/2006

Reviewer _____ Date _____

MEMORANDUM

Date: May 15, 2006
To: Water Right File 25-13964
From: kwilson
Re: Field Report Narrative

System under permit has two wells (#6 & 9).

Well #9 System - Well, Pump with 12" discharge, 200 hp Westinghouse Electric Motor (S/N 7611), two (2) flow meters, mainline to storage tank or directly into municipal water system for the City of Ammon. Up-hill McCrometer meter (6"), S/N 20024016-06 measured flow = 826 gpm. Down-hill McCrometer meter (8"), S/N 05-05636-8 measured flow = 1101 gpm. Total flow from Well #9 = 1927 gpm = 4.29 cfs.

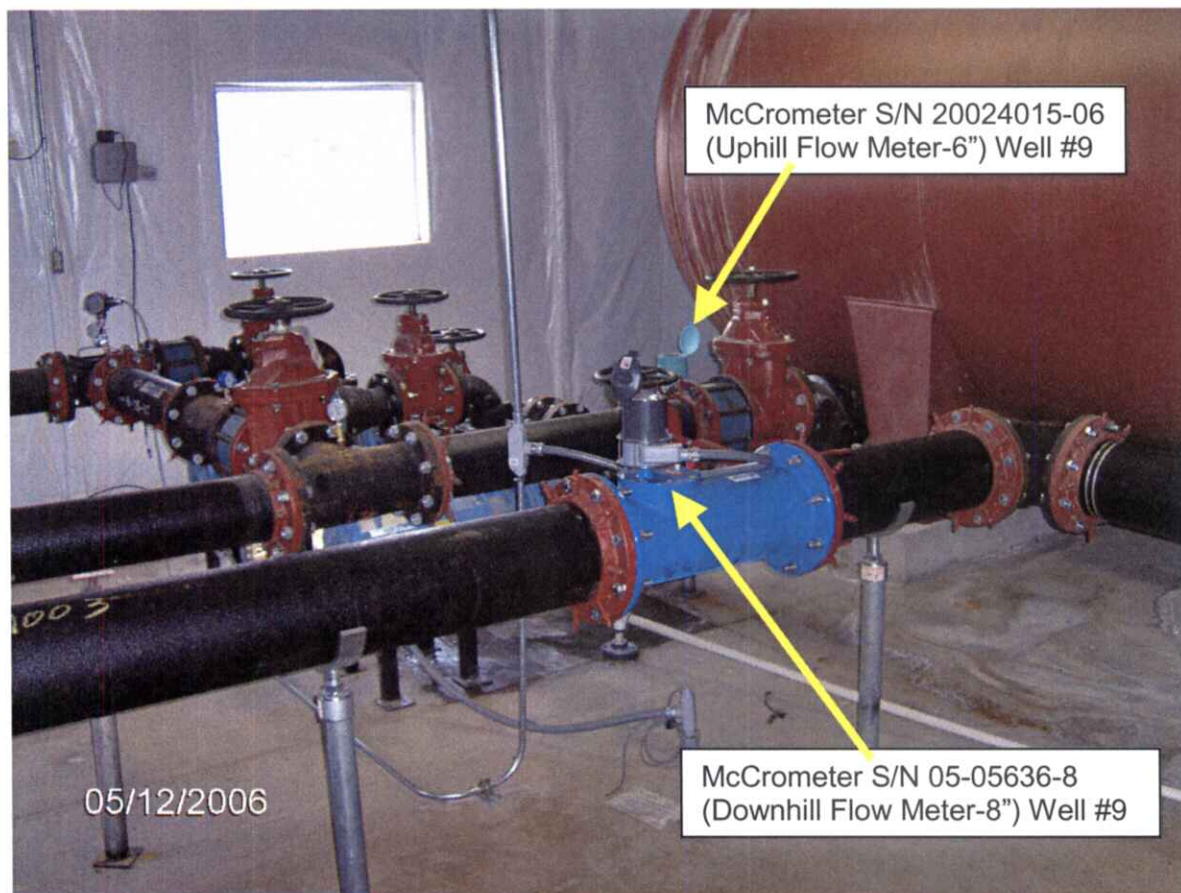
Well #6 System - Well, Johnston Pump with 14" discharge, 100 hp US Motor Electric Motor (S/N J03-8FG67-M, McCrometer flow Meter on mainline to Storage tank. Water from storage tank is diverted by booster pumps to municipal water system for the City of Ammon. Measured flow from McCrometer Flow Meter = 2500 gpm

Total Capacity of Well #9 and #6 = 1927 gpm + 2500 gpm = 4427 gpm = 9.86 cfs

Note Well #6 also under License 25-7023 at 2.79 cfs.

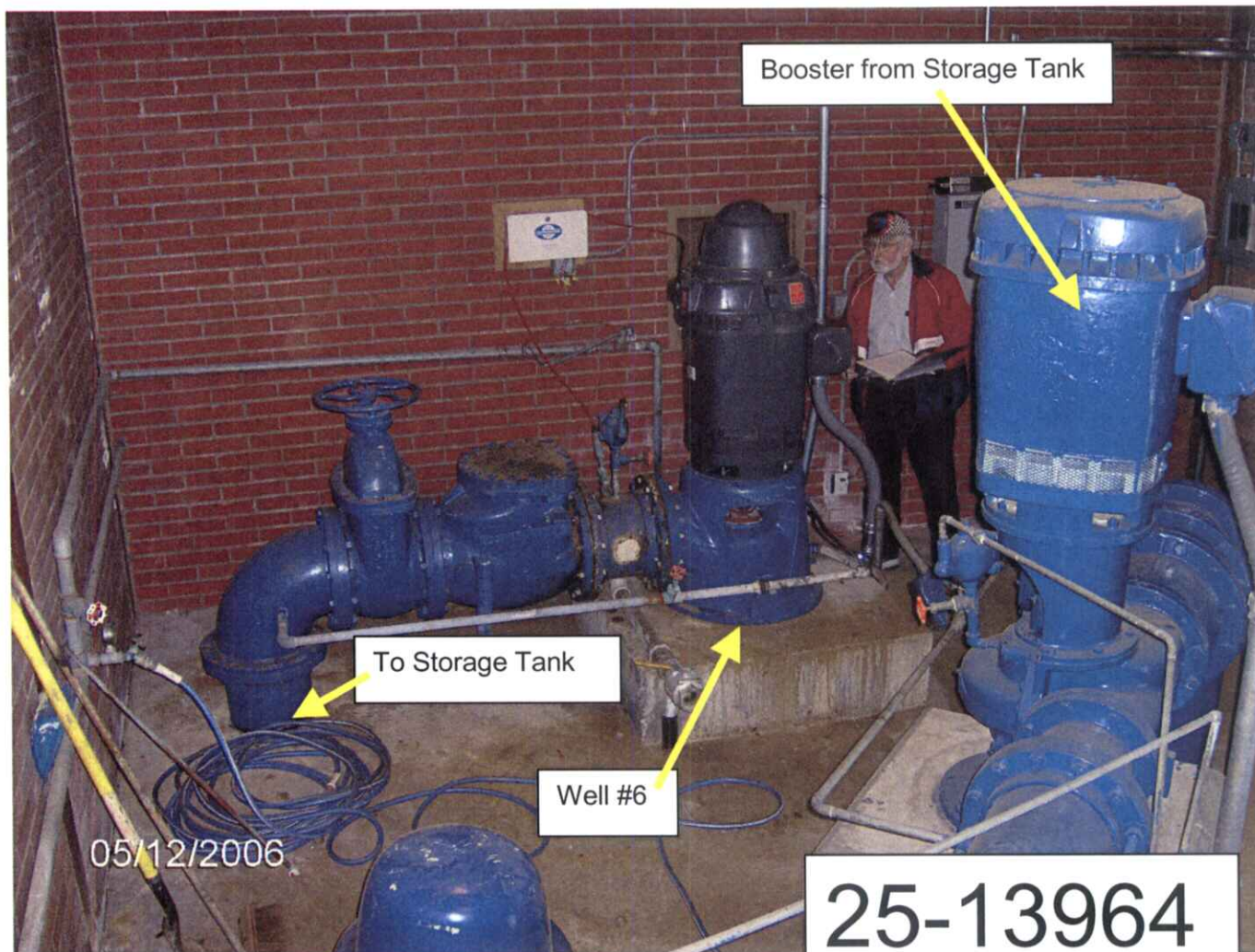
Total unlicensed flow from Well #9 and Well #6 = 9.86 cfs - 2.79 cfs = 7.07 cfs.

Recommend Licensing 25-13964 at permitted amount of 6.70 cfs.



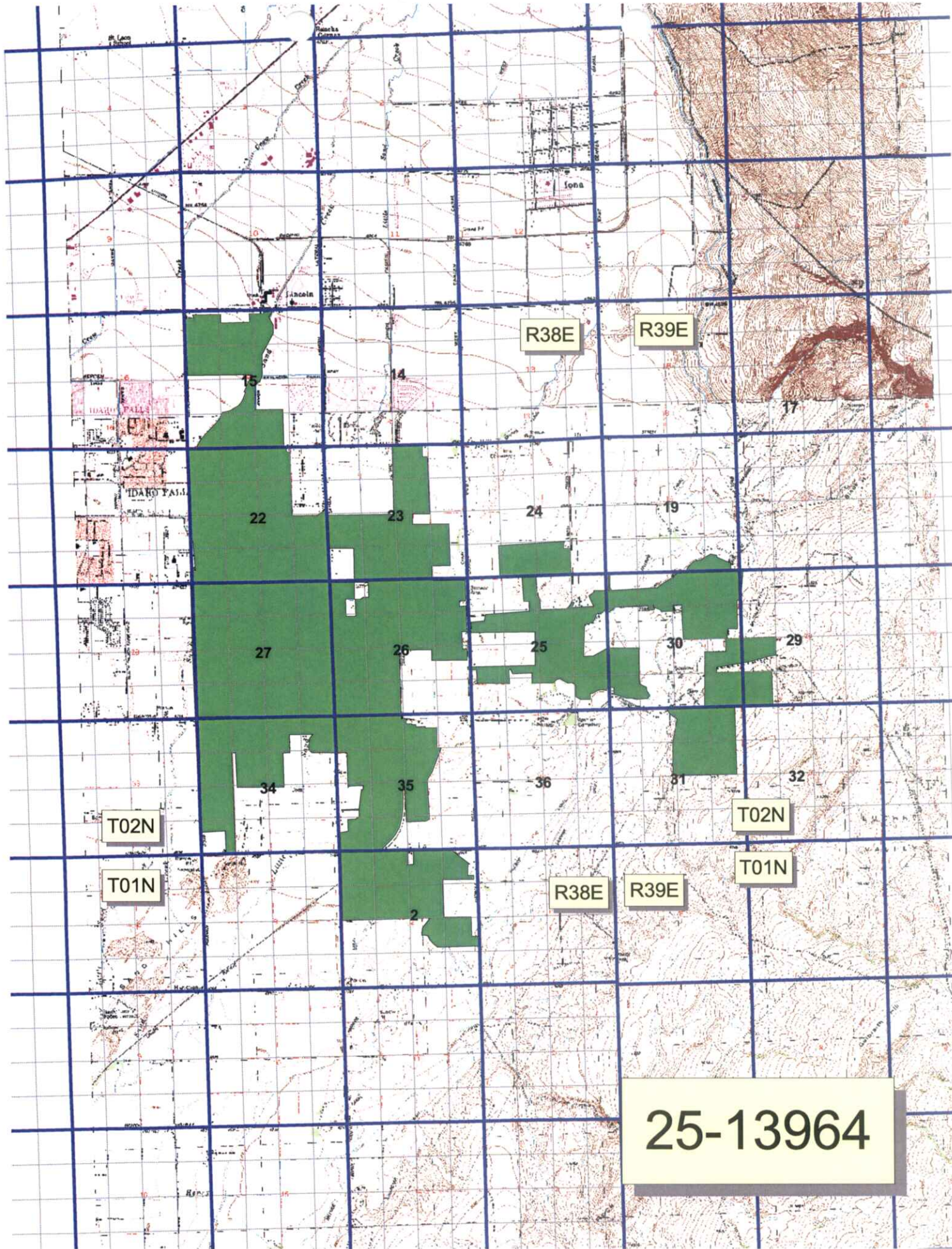
25-13964

Field Exam 05/12/2006



25-13964

Field Exam 05/12/2006



R38E

R39E

T02N

T02N

T01N

T01N

R38E

R39E

25-13964

