

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
(Summary of 2002 Field Exam)

A. GENERAL INFORMATION

Permit No: 22-7721

Exam Date: June 11, 2002

1. Current Owner: DEAN SCHWENDIMAN & SONS INC
PO BOX 57
NEWDALE ID 83436-0057
(208)458-4314
2. Accompanied by: Dean, Dal & Ron Schwendiman (Permit holder in 2002)

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Within Fremont Madison Irrigation District
2. Other water rights with the same point of diversion: None

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

GROUND WATER	NW1/4NE1/4	Sec. 16, Twp 07N, Rge 42E, B.M.	FREMONT County (Well #5)
GROUND WATER	NW1/4NE1/4	Sec. 16, Twp 07N, Rge 42E, B.M.	FREMONT County (Well #6)
GROUND WATER	NW1/4NE1/4	Sec. 16, Twp 07N, Rge 42E, B.M.	FREMONT County (Well #7)

Method of Determination: GPS and aerial photography

2. PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
07N 42E 9			8.7								34.5	34.1	18.5	39.1	35.0	34.2	204.1
07N 42E 10											34.7	32.6					67.3
07N 42E 15					28.7	39.5	39.2	5.3	10.0								122.7
07N 42E 16	39.5	39.7	39.7	39.6	39.7	33.4	29.5	39.7	39.7	38.7	19.7	28.9	14.7	38.2	15.2		495.9

Total Acres: 890

Method of Determination: 2009, 2010, 2011 aerial photography

3. ☒ 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. See attached sheets for motor/pump makes and models.

D. FLOW MEASUREMENTS

- Well #5 and Well #7 measured with a McCrometer (ser. # 94-12-4162, ser.# 98-4350-12)
- Well #6 measured with a Fuji Portaflow meter.
- See attached sheets.
 Well #5 = 1928.0 gpm
 Well #6 = 1235.0 gpm
 Well #7 = 2405.8 gpm
 Total measured diversion rate = 5568.8 gpm = 12.41 cfs

E. VOLUME CALCULATIONS

- Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 890 \text{ acres} \times 3.5 \text{ af/acre} = 3,115 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 12.41 \times 214 \text{ days} \times 1.9835 = 5,268 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3,115 \text{ acre-feet}$$

G. NARRATIVE/REMARKS/COMMENTS

Irrigated acres and gw wells used to be tied together into a much larger system by mainline, all owned and operated by Dean Schwendiman. Total system included seven gw wells and thousands of acres. Property was sold and the systems split. All other permits/acres were claimed and decreed in the SRBA. This portion of the system is now owned by Rocky Gulch Farms (Parkinson). Field exam completed in 2002. Reliable measurements were obtained for the three gw wells associated with this permit.

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>
IRRIGATION	04/01 to 10/31	12.410 CFS	3,115.00 AF
<u>Totals:</u>		12.410 CFS	3,115.00 AF

2. Recommended Amendments

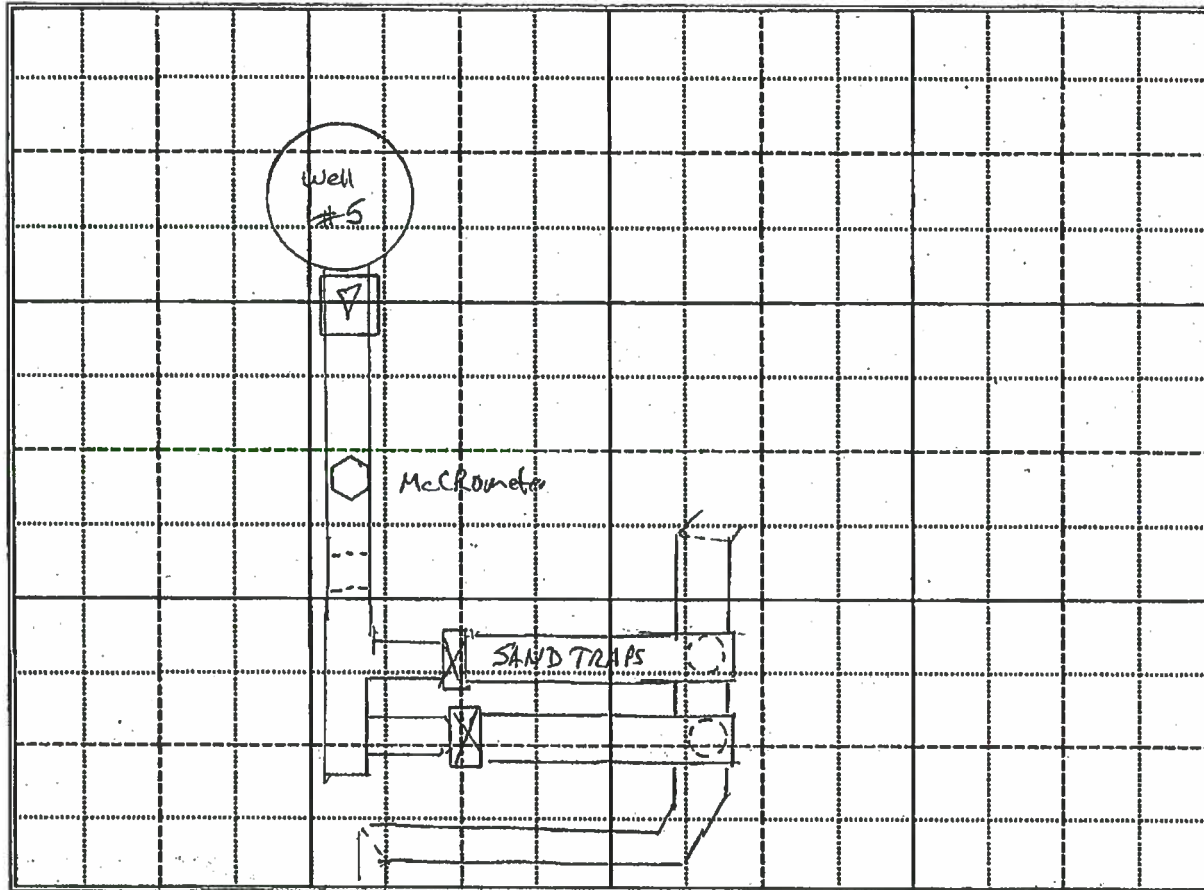
☒ Change P.D. as reflected above ☒ Add P.D. as reflected above ☐ None
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name James Cefalo Date _____
 Reviewer _____ Date _____

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

22-7721



Scale: 1" = _____

____ 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)

____ 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
#5	Keller Equip Co	600	1S-71	UNK	12"
	Westinghouse				

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

D. FLOW MEASUREMENTS

P/D GPS 061121A GPS site 1 1/2 NE well

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Totalizer Meter		McCrone		94-12-4162		

2. Measurements:

$$0.01 \text{ af in } 103.8 \text{ sec} = 4.20 \text{ cfs} = 1883.4 \text{ gpm}$$

$$0.01 \text{ af in } 101.4 \text{ sec} = 4.30 \text{ cfs} = 1927.98 \text{ gpm}$$

22-7721

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

22-7721

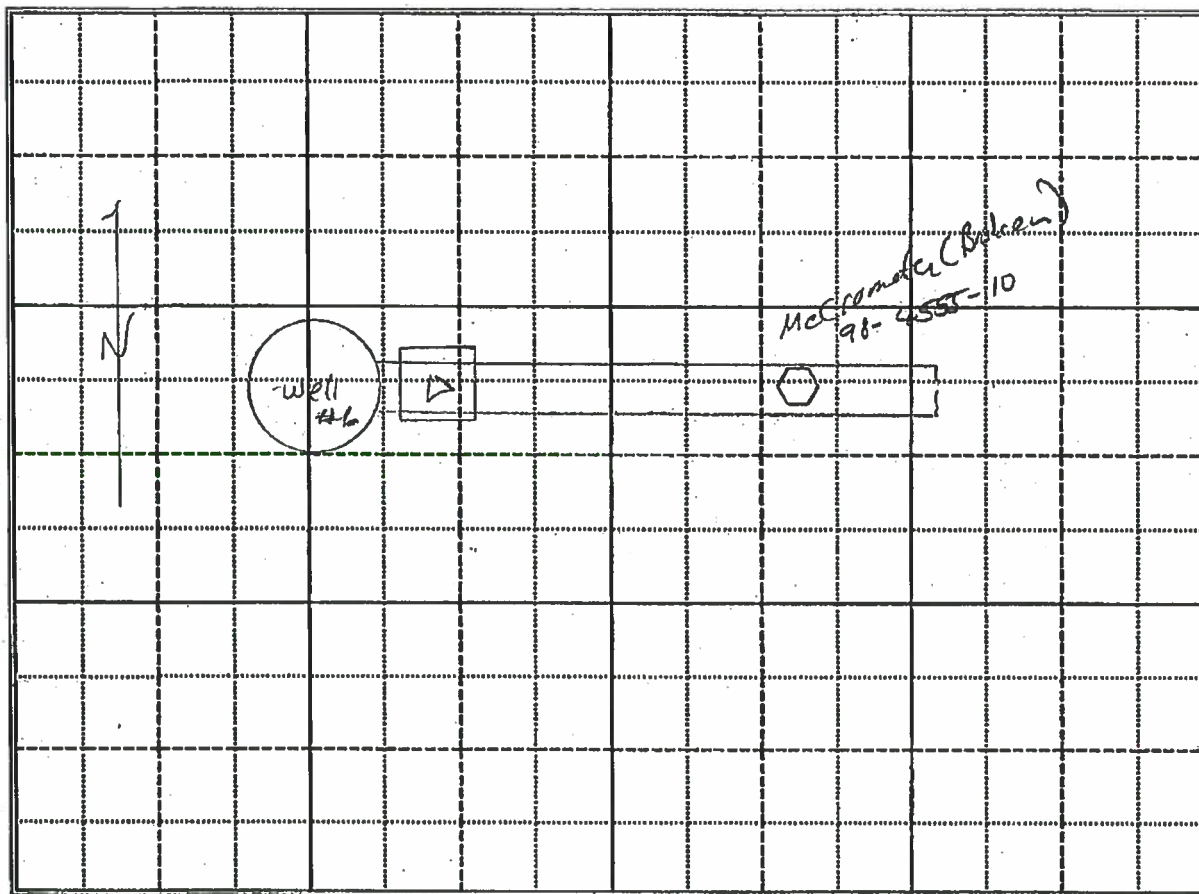


Photo # 3261

Scale: 1" = _____

____ 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)

____ 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
# 6	US Elect	300	C9542-01-882 86-on 256	UNK	10"

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

D. FLOW MEASUREMENTS

P/O 0611 22A GPS site 3' N of well

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
		PJT1				

2. Measurements:

9.99" od 0.125" thick

Aug = 1227.0 gpm = 2.73 cfs

Max = 1235 gpm = 2.75 cfs

22-7721

LOG NAME: **22-7721** Well #6

START: 06-11-2002 16:40

END: 06-11-2002 16:50

INTERVAL:00:01:00

06-11 16:40:00
+5.314E+0 ft/s
+1.234E+3 gal/m
+2.749E+0 ft3/s
+TOTAL 0000000 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:41:00
+5.283E+0 ft/s
+1.227E+3 gal/m
+2.733E+0 ft3/s
+TOTAL 0001207 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:42:00
+5.321E+0 ft/s
+1.235E+3 gal/m
+2.753E+0 ft3/s
+TOTAL 0002439 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:43:00
+5.296E+0 ft/s
+1.230E+3 gal/m
+2.740E+0 ft3/s
+TOTAL 0003669 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:44:00
+5.264E+0 ft/s
+1.222E+3 gal/m
+2.723E+0 ft3/s
+TOTAL 0004897 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:45:00
+5.280E+0 ft/s
+1.226E+3 gal/m
+2.732E+0 ft3/s
+TOTAL 0006126 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:46:00
+5.318E+0 ft/s
+1.235E+3 gal/m
+2.751E+0 ft3/s
+TOTAL 0007355 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:47:00
+5.278E+0 ft/s
+1.225E+3 gal/m
+2.731E+0 ft3/s
+TOTAL 0008584 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:48:00
+5.268E+0 ft/s
+1.223E+3 gal/m
+2.725E+0 ft3/s
+TOTAL 0009812 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:49:00
+5.303E+0 ft/s
+1.231E+3 gal/m
+2.744E+0 ft3/s
+TOTAL 0011040 gal
-TOTAL 0000000 gal
NORMAL

06-11 16:50:00
+5.261E+0 ft/s
+1.221E+3 gal/m
+2.722E+0 ft3/s
+TOTAL 0012270 gal
-TOTAL 0000000 gal
NORMAL

Avg. Flow = $\frac{1227.0}{2.73}$ gpm = $\frac{1227.0}{2.73}$ cfs

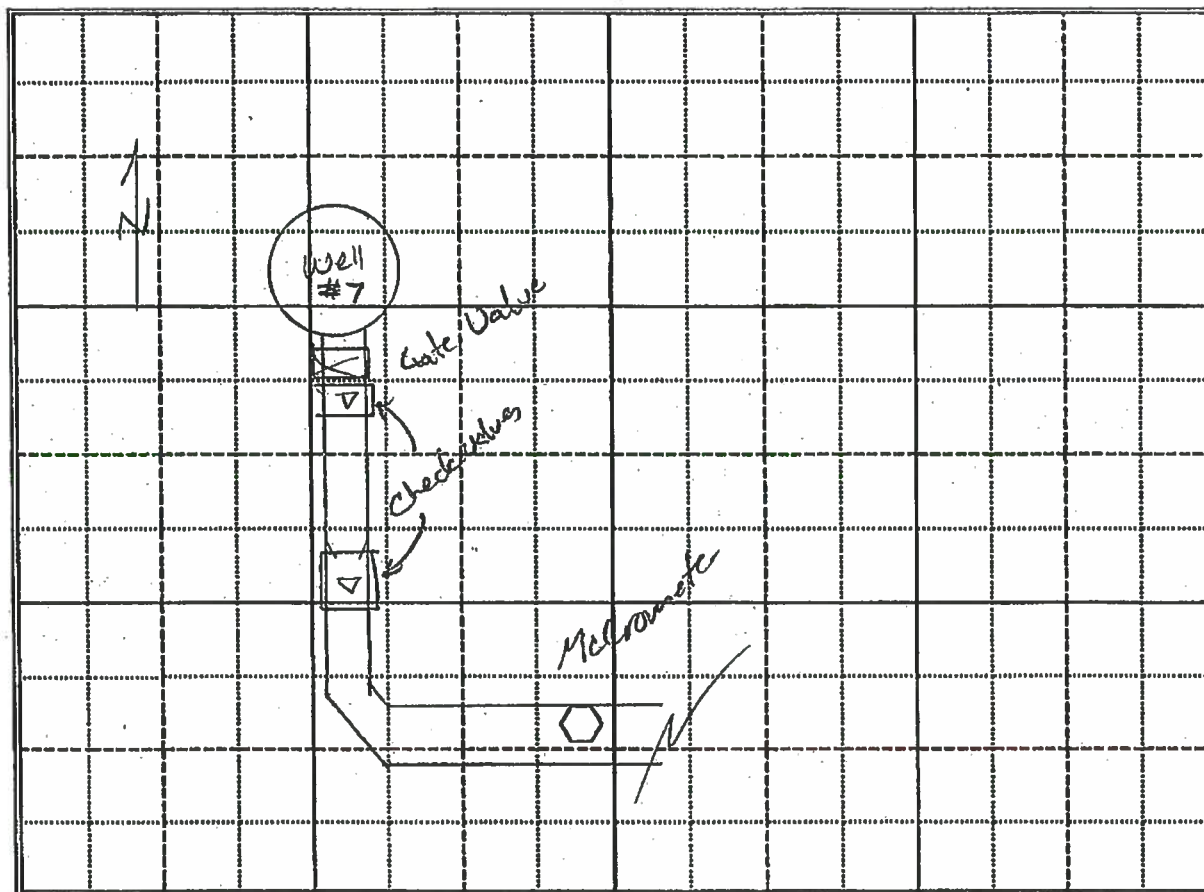
Maximum Flow = $\frac{1235}{2.75}$ gpm = $\frac{1235}{2.75}$ cfs

WELL # 6 - Flow measurement

22-07721

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

22-7721



Scale: 1" = _____

Photo 3262

____ 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)

____ 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
#7	GE	600	BOJ222019	Layne/Bowles	D87555

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

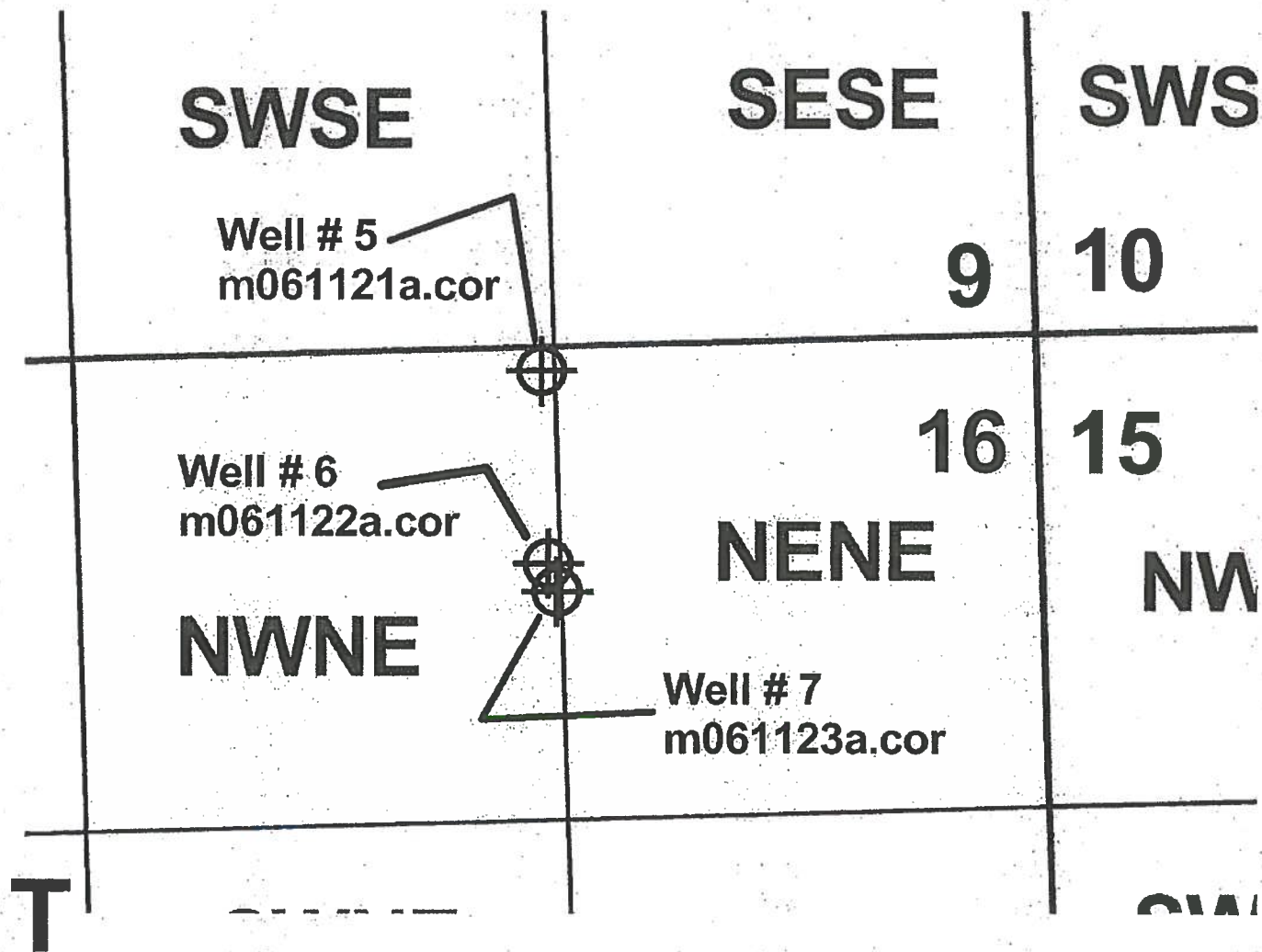
D. FLOW MEASUREMENTS GPS 061123A GPS SITE 5'E of Well

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Totalizing Meter		McCrone	98 4350 12			

2. Measurements: 0.01af in 82.64 5.27 cfs = 2365.6 gpm
 0.01af in 81.26 = 5.36 cfs 2405.8 gpm

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T
7
N

R42E

Well # 5 - 061121a

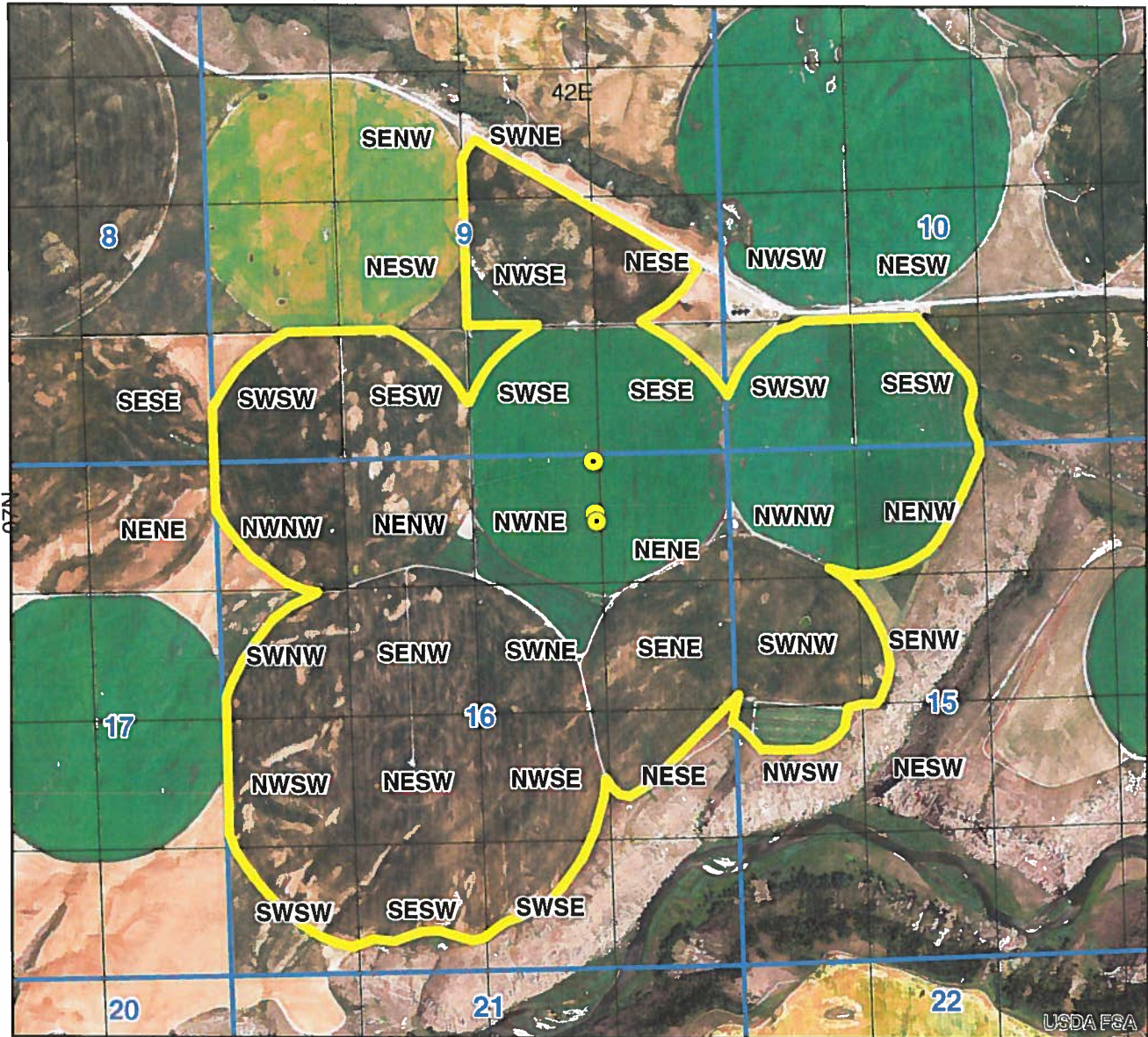
Well # 6 - 061122a

Well # 7 - 061123a

-  Posnpnt.dbf
-  S07n42e.shp
-  T07n42e.shp

22-07721

State of Idaho
Department of Water Resources
Water Right License
22-7721



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.25 0.5 1 Miles



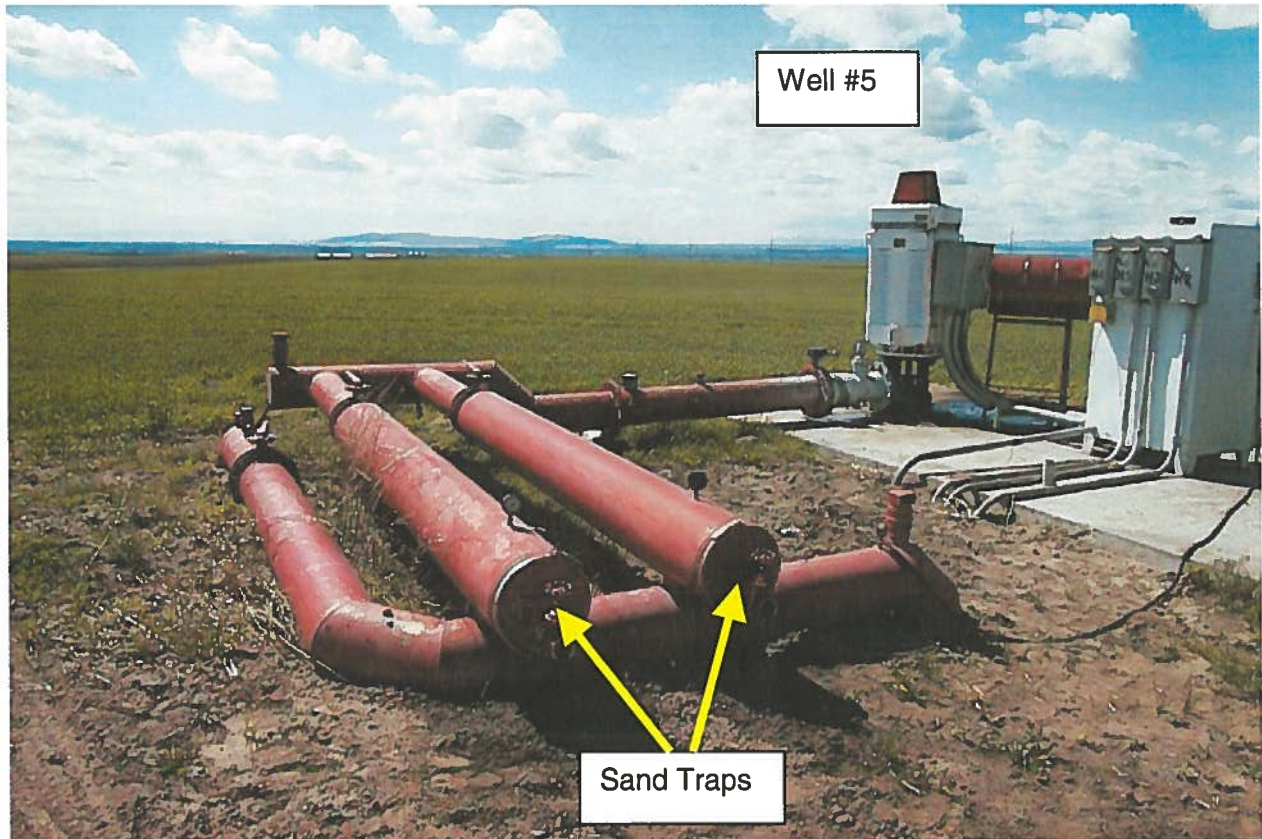




Photo Page 5 of 5

22-07721