

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7137

Exam Date: 10/3/2012

1. Current Owner: DAVID R HARRIS
1010 S WOODRUFF RD
MALAD CITY ID 83252
(208)766-2694

2. Accompanied by: David R Harris

Phone No: (208) 766-3027

Address:

Relationship to Permit Holder: Same

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None

2. Other water rights with the same point of diversion: 15-7137, 15-7143

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

GROUND WATER SE1/4NE1/4 Sec. 21, Twp 16S, Rge 36E, B.M.

ONEIDA County

(well #3)

Method of Determination: GPS (Well #3 -112.247996, 42.025207)

2.

PLACE OF USE:

<u>PLACE OF USE:</u>			IRRIGATION																
<u>Twp</u>	<u>Rge</u>	<u>Sec</u>	<u>NE</u>				<u>NW</u>				<u>SW</u>				<u>SE</u>				
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>Totals</u>
16S	36E	15											40.0	36.0					76.0
16S	36E	21		21															21.0
16S	36E	22							38.0										38.0

Total Acres: 135

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 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>
Well #2	GEM	250	5K6278XH625A		
Well #3	GE	150	BYJ0220105		

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Ultra Sonic Flow Meter	Porta Flow	Fuji	00FY099T	91012		

2. Measurements: Highest instantaneous reading = 6.20 cfs limited by demand (135 acres X .02cfs/acre = 2.70 cfs)
Interconnected capacity = 12.40 cfs – 2.65 (15-7020) = 9.83 cfs (15-7137 and 15-7143)

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.5 \times 135 = 472.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.70 \times 214 \times 1.9835 = 1146.1$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 472.5 \text{ afa}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Field Exam completed Oct 3, 2012. There are two well inter-connected with a main distribution system that runs two pivots, 12 Wheel lines and 4 hand lines. Should complete a transfer to combine the POU and POD. Acceptable measuring device with lockable valve.

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	2.70 CFS	472.50 AF
	<u>Totals:</u>	2.70 CFS	472.50 AF

2. Recommended Amendments

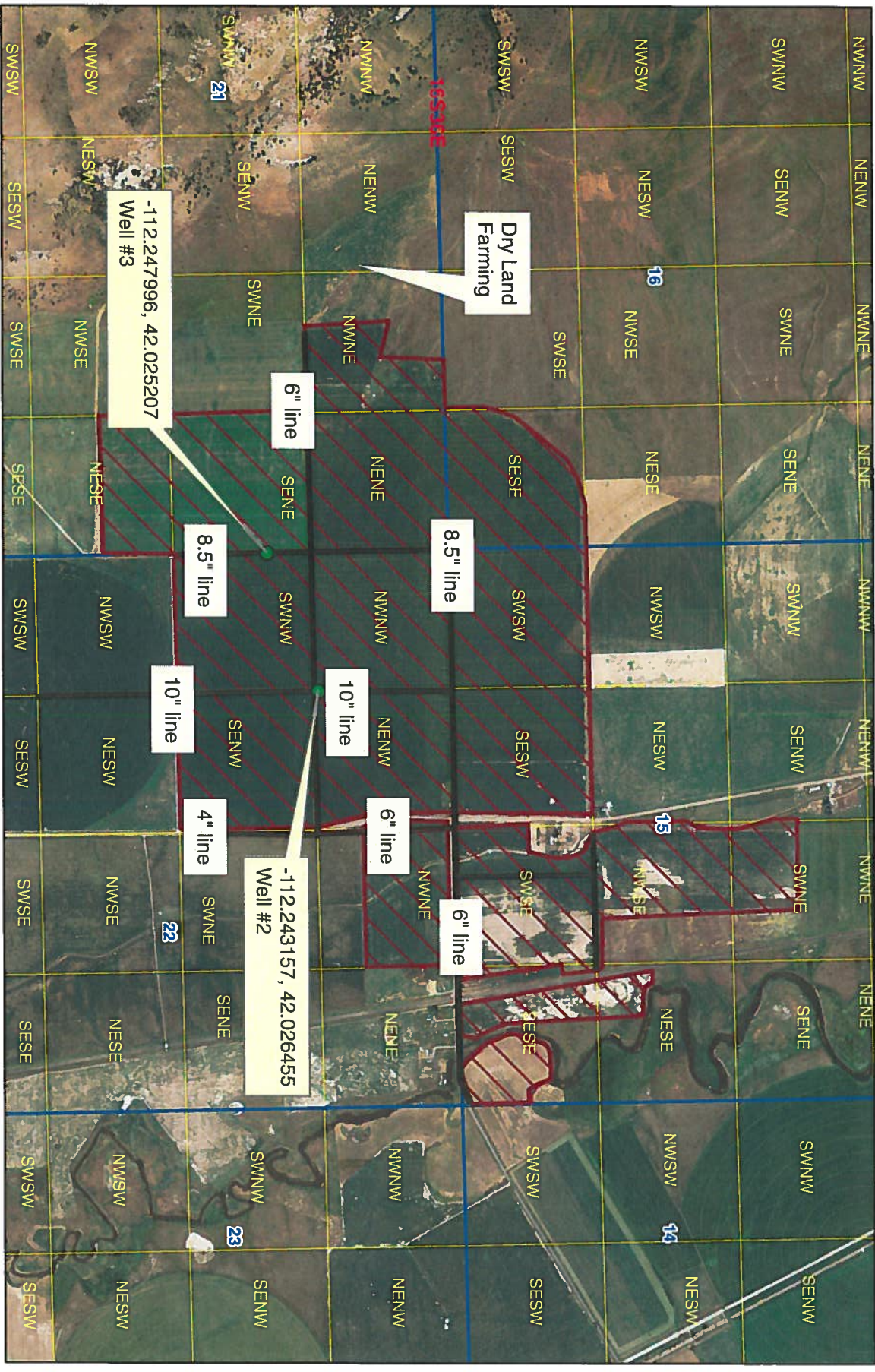
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Kerrie Matthews Date 10/3/2012

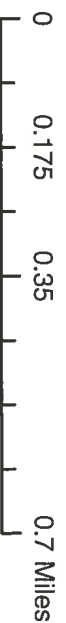
Reviewer _____ Date _____

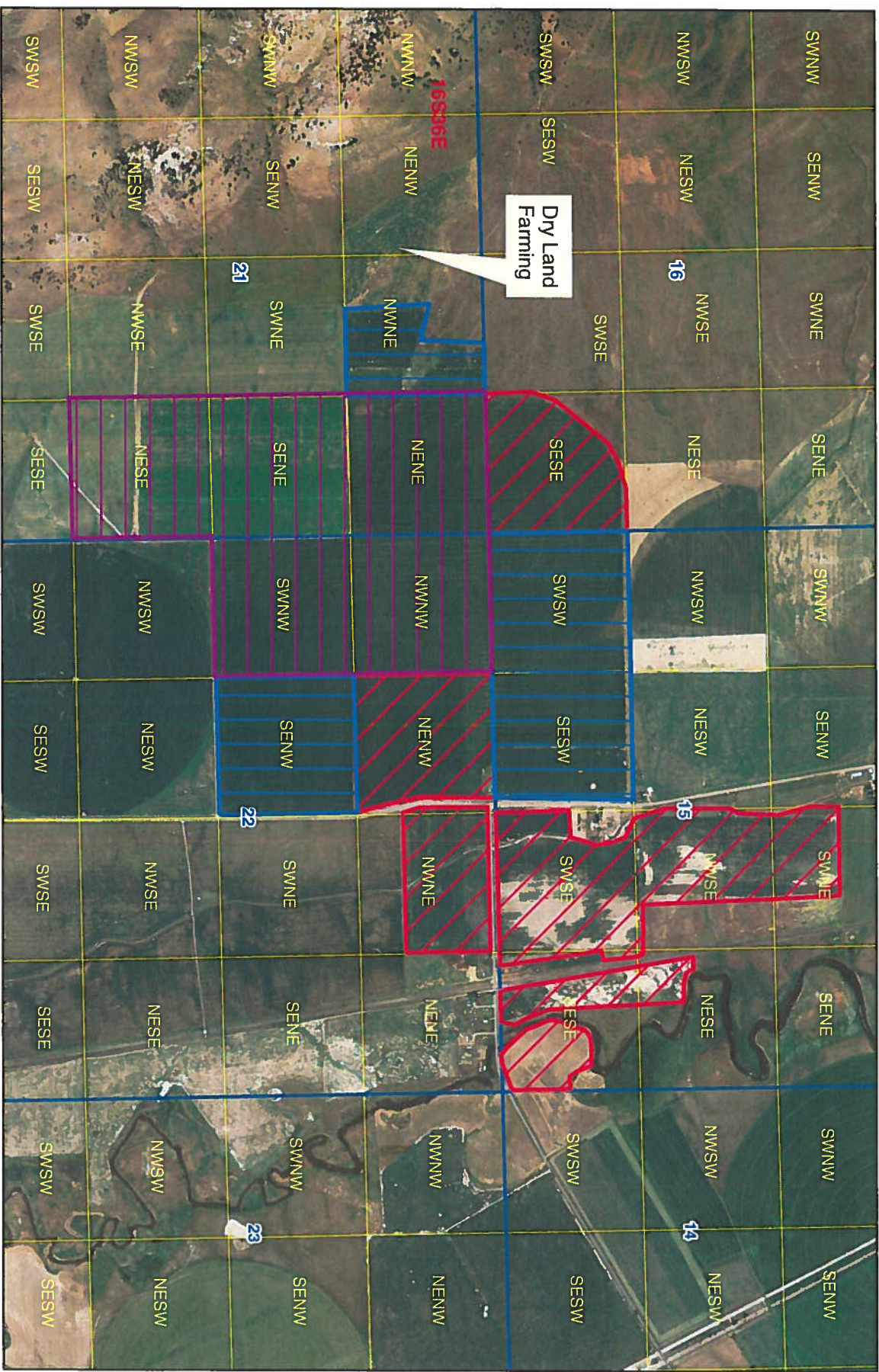


15-7137 & 15-7143 Field Exam Oct. 3, 2012



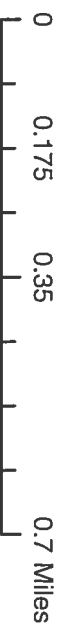
-  Distribution System
-  Combined Place of Use
-  Township/Range
-  Sections
-  QQ





15-7137 & 15-7143 Field Exam Oct. 3, 2012

- 15-7020
- 15-7137
- 15-7143
- Township/Range
- Sections
- QQ



Field Exam – October 3, 2012 - David R Harris



Well at -112.247996 42.025207 T16S R36W Sec 21 SENE



Pump house at Well above



Close up



Well at -112.243157 42.026455 T16S R36E Sec 22 NENW



Pivot tower



View to N from Well 1



View to NE from Well 1, Well 2 and pivot in background



View to E



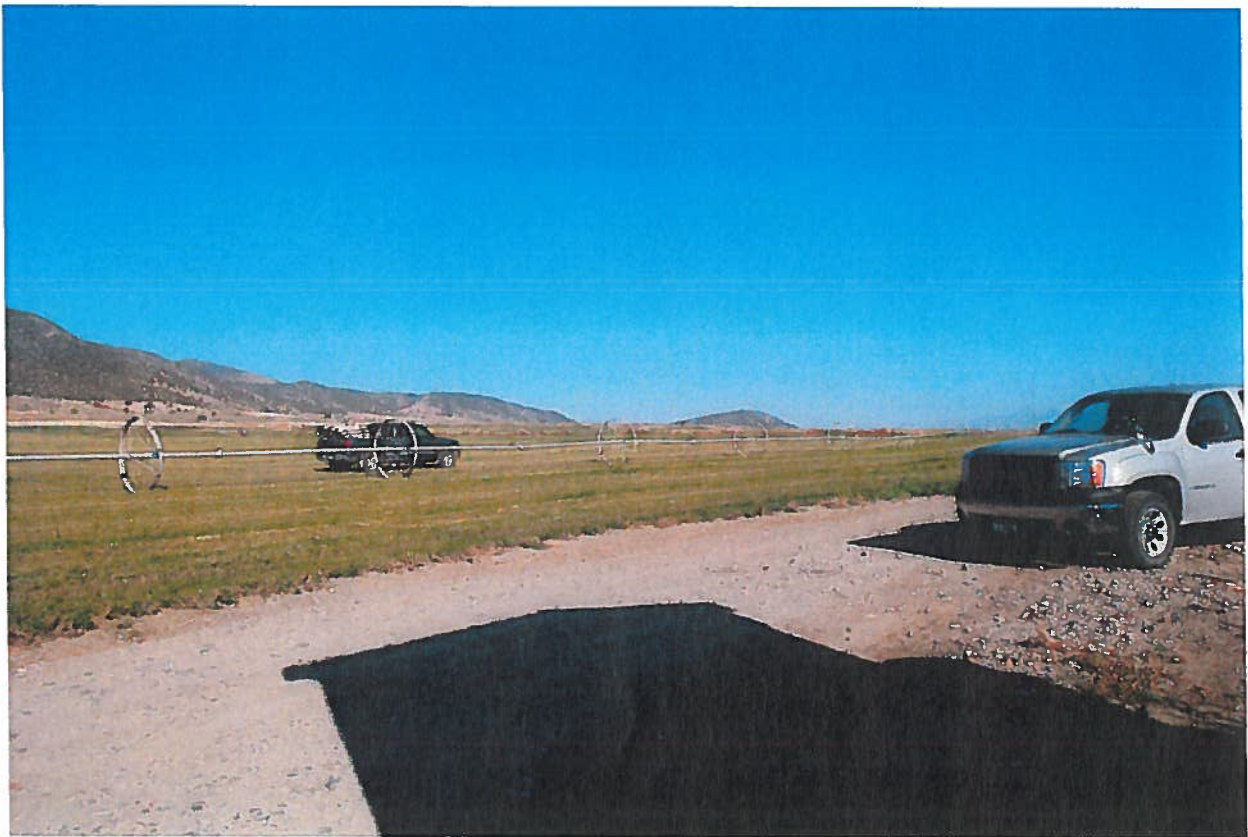
View to the S



View to SE



View to the W



View to NW

No. W 10746	Due no later than Jan 31, 2012 Annual Report Form		2. Registered Agent and Address (NO PO BOX)			
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 NO FILING FEE IF RECEIVED BY DUE DATE	1. Mailing Address: Correct in this box if needed. DOUBLE H FARMS, A LIMITED LIABILITY COMPANY DAVID R. HARRIS 10101 S OLD HWY 191 MALAD ID 83252 USA		DAVID R HARRIS 10101 S OLD HWY 191 MALAD ID 83252			
			3. <u>New</u> Registered Agent Signature:*			
4. Limited Liability Companies: Enter Names and Addresses of at least one Member or Manager.						
Office Held	Name	Street or PO Address	City	State	Country	Postal Code
MANAGER	DAVID R HARRIS	10101 S OLD HWY 191	MALAD	ID	USA	83252
MEMBER	MORGAN D HARRIS	2515 EAST CASEY	LAS VEGAS	NV	USA	89120
5. Organized Under the Laws of:		6. Annual Report must be signed.*				
ID W 10746		Signature: David R. Harris			Date: 01/23/2012	
		Name (type or print): David R. Harris			Title: Manager	
Processed 01/23/2012		* Electronically provided signatures are accepted as original signatures.				

David Harris Oct. 3, 2012

Well #3

-112.247996, 42.025207 T16S 36E Sec. 21 SENE
GE, Model 5K6278XH625A, Serial B4J0220105
HP 150, RPM 1775, Volts 460, Amp 173.5
Static H₂O 60' pump level 120' - 140'

Measurements

① 3.69 cfs ② 4.95 cfs ③ 3.89 cfs ④ 4.99 cfs ⑤ 5.20
⑥ 5.25 ⑦ 5.82 cfs ⑧ 6.02 cfs ⑨ 5.99 cfs ⑩ 6.2 cfs

Average = 5.2 Highest = 6.2 cfs

Well #2

-112.243157 42.026455 T16S R36E Sec. 22 NENW
GEM HP 250 Volts 460 Amps 303, RPM 1785
US Drives, Inc Phoenix, Set Point 141.0 Press. 104.3
Static H₂O 60', Pump level 120'

Measurements.

① 3.19 cfs ② 4.63 cfs ③ 3.29 cfs ④ 5.69 cfs
⑤ 6.08 cfs ⑥ 4.82 cfs ⑦ 5.82 cfs ⑧ 5.95 cfs ⑨ 5.99 cfs
⑩ 6.28 cfs

Average = 5.17, Highest = 6.28 cfs

Well #1

-112.220955 42.029429 T16S R36E Sec 23 NENW
GPS ID # A0010810
GEM Three Phase Type: VHSWPI, Model 761006
Volts 460, Amp 120, RPM 1781, Serial 3903001
HP 100, pump depth 160-170', Static H₂O 12'

Measurements.

① 2.239 cfs ② 4.98 cfs ③ 2.25 cfs ④ 5.01 cfs
⑤ 2.25 cfs ⑥ 5.06 cfs ⑦ 2.25 cfs ⑧ 5.03 cfs
⑨ 2.24 cfs ⑩ 5.04 cfs

Average = 3.634 cfs Highest = 5.06 cfs