

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Permit No: 94-07408

Exam Date: 8/10/2016

1. Current Owner:  
CENTRAL SHOSHONE COUNTY WATER DISTRICT 1021 MCKINLEY AVE KELLOGG ID 83837  
(208)786-9141

2. Accompanied by: Chad Nelson, Operator

3. SOURCE:  
GROUND WATER

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 94-2094, 94-2132, 94-2166, 94-2213, 94-4007, 94-4008, 94-4263, and 94-7199
2. Other water rights with the same point-of-diversion: 94-2213 and 94-7199

**C. DIVERSION AND DELIVERY SYSTEM****1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE¼SW¼ Sec. 30, Twp 49N, Rge 02E, B.M. SHOSHONE County

Method of Determination: Maps and GPS. POD location at 47° 33.522, 116° 15.433 (A0020008)

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

  X   Indicate weir size/pipe as applicable.

  X   Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

  X   Aerial Photo Attached (required for irrigation of 10+ acres).

  X   Photo of Diversion and System Attached

4.

| Well or Diversion ID No.* | Motor Make    | Hp  | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------|---------------|-----|------------------|-----------|-----------------------------------|
|                           | BYRON JACKSON | 200 |                  |           |                                   |
|                           | BYRON JACKSON | 200 |                  |           |                                   |
|                           | BYRON JACKSON | 200 |                  |           |                                   |
|                           |               |     |                  |           |                                   |

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

**D. FLOW MEASUREMENTS**

1.

| Measurement Equipment | Type            | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|-----------------|------|-----------|------------|------|-------------|
| ULTRA MAG             | ELECTROMAGNETIC |      | UM06-16   |            |      |             |
|                       |                 |      |           |            |      |             |

## 2. Measurements:

PUMP 1 – 2,141 GPM

PUMP 2 – 2,422 GPM

PUMP 3 – 2,450 GPM

TOTAL - 7,013 GPM OR 15.63 CFS

**G. NARRATIVE/REMARKS/COMMENTS**

Field exam with system operator Chad Nelson showed the Enaville Well with three Byron Jackson 200hp pumps. Not much is known about well according to DEQ. Anna Moody from DEQ said the well was constructed a long time ago for Bunker Hill and the water was strongly influenced from the Coeur d' Alene River. A common pipeline was equipped with an Ultra Mag Electronic Flow Meter and each pump had its own signal converter. Pump 1 was measured at 2,141gpm, pump 2 was measured at 2,422gpm, and pump was measured at 2,450. System was built to accommodate all 3 pumps diverting water at once. Overall diversion rate was 7,013gpm or 15.63cfs. Water was pumped from well to 170,000 gallon reservoir and then distributed to customers.

The district has this permit and additionally has 8 other decreed rights for municipal use. Surface water sources have 6 rights for an overall diversion rate of 18.25cfs, but are only for backup use. Ground water has 2 decreed rights, 94-2213 for 12.9cfs and 94-7199 for 0.73cfs with an annual volume of 88.5 acre feet. Those two rights are from the same Enaville Well as this right. Because we know the system capacity is 15.63cfs and they have rights for 13.63cfs already, this license will be issued for 2.0cfs. The applicant was permitted for 5.0cfs but to avoid overlaps this license will only be for 2.0cfs. JUB Engineer Mike Conn supplied a GIS shape file for the pipe system for the district. The district was contacted about updating its service area and they said the director was working on it.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

## 1. Recommended Amounts

BENEFICIAL USE  
MUNICIPALPERIOD OF USE  
01/01 to 12/31DIVERSION RATE  
2.00 CFSTotals: 2.000 CFS

## 2. Recommended Amendments

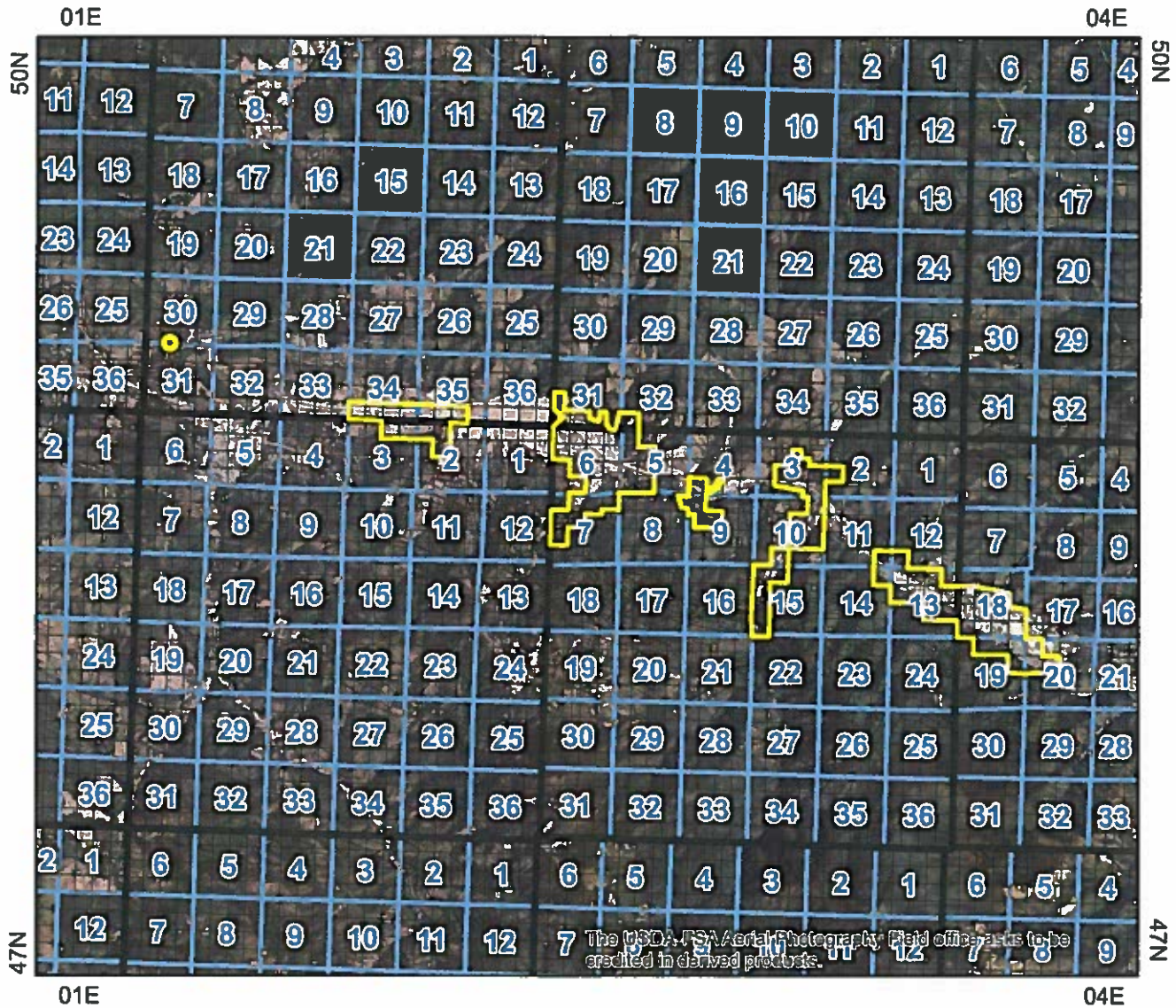
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None**I. AUTHENTICATION**Field Examiner's Name Adam F. Smith Date 5-3-2017Reviewer Morgan Case Date 5/9/2017

Central Shoshone County Water District

# Attachment to Field Exam

94-7408

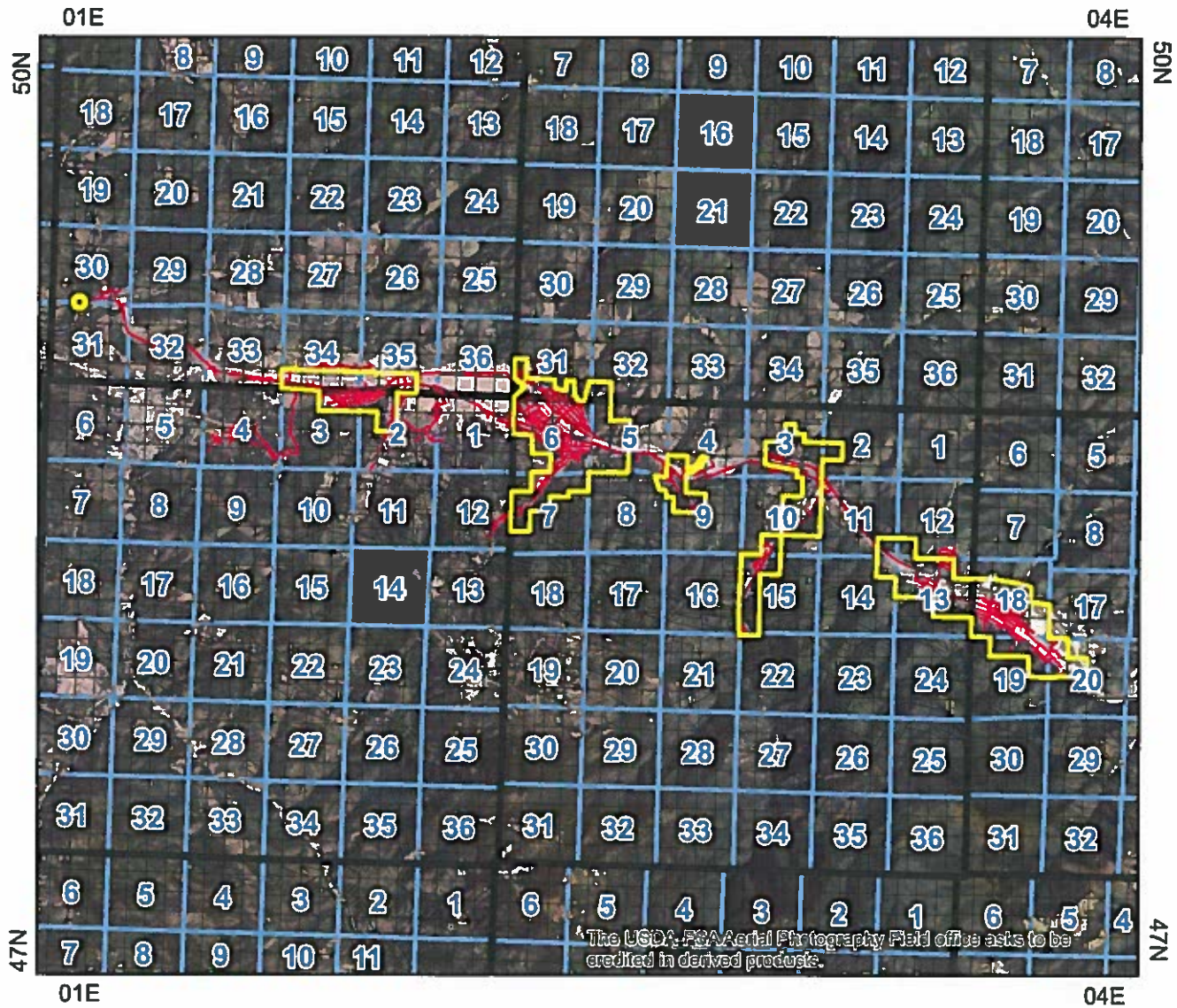
MUNICIPAL



# Attachment to Field Exam

94-7408

## SYSTEM DIAGRAM



The USDA, FSA Aerial Photography Field office asks to be credited in derived products.

### Legend

- Point of Diversion
- Water Service Area Boundary
- WaterLines
- Townships
- PLS Sections



| Basin | Sequence | Process     | Basis   | Status | Draft | RightID | Priority Date | Diversion Rate | Source List                    | Water Use List | Current Owner                          | Volume |
|-------|----------|-------------|---------|--------|-------|---------|---------------|----------------|--------------------------------|----------------|----------------------------------------|--------|
| 94    | 2094     | Water Right | Decreed | Active | N     | 673016  | 4/13/1915     | 5.000          | BIG CREEK, WEST FORK BIG CREEK | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |
| 94    | 2132     | Water Right | Decreed | Active | N     | 673024  | 4/22/1925     | 2.750          | BIG CREEK, WEST FORK BIG CREEK | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |
| 94    | 2166     | Water Right | Decreed | Active | N     | 673025  | 11/6/1931     | 1.000          | BIG CREEK, WEST FORK BIG CREEK | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |
| 94    | 2213     | Water Right | Decreed | Active | N     | 673027  | 9/25/1956     | 12.900         | GROUND WATER                   | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |
| 94    | 4007     | Water Right | Decreed | Active | N     | 673046  | 3/30/1886     | 3.000          | EAST FORK MC FARREN CREEK      | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |
| 94    | 4008     | Water Right | Decreed | Active | N     | 673939  | 11/1/1886     | 3.500          | SHIELDS GULCH CREEK            | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |
| 94    | 4263     | Water Right | Decreed | Active | N     | 673940  | 6/15/1889     | 3.000          | MILO CREEK                     | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |
| 94    | 7199     | Water Right | Decreed | Active | N     | 673941  | 1/5/1987      | 0.730          | GROUND WATER                   | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT | 88.5   |
| 94    | 7408     | Water Right | License | Active | Y     | 684124  | 9/2/2005      | 2.000          | GROUND WATER                   | MUNICIPAL      | CENTRAL SHOSHONE COUNTY WATER DISTRICT |        |

List of WRs for Central Shoshone Co. Water District

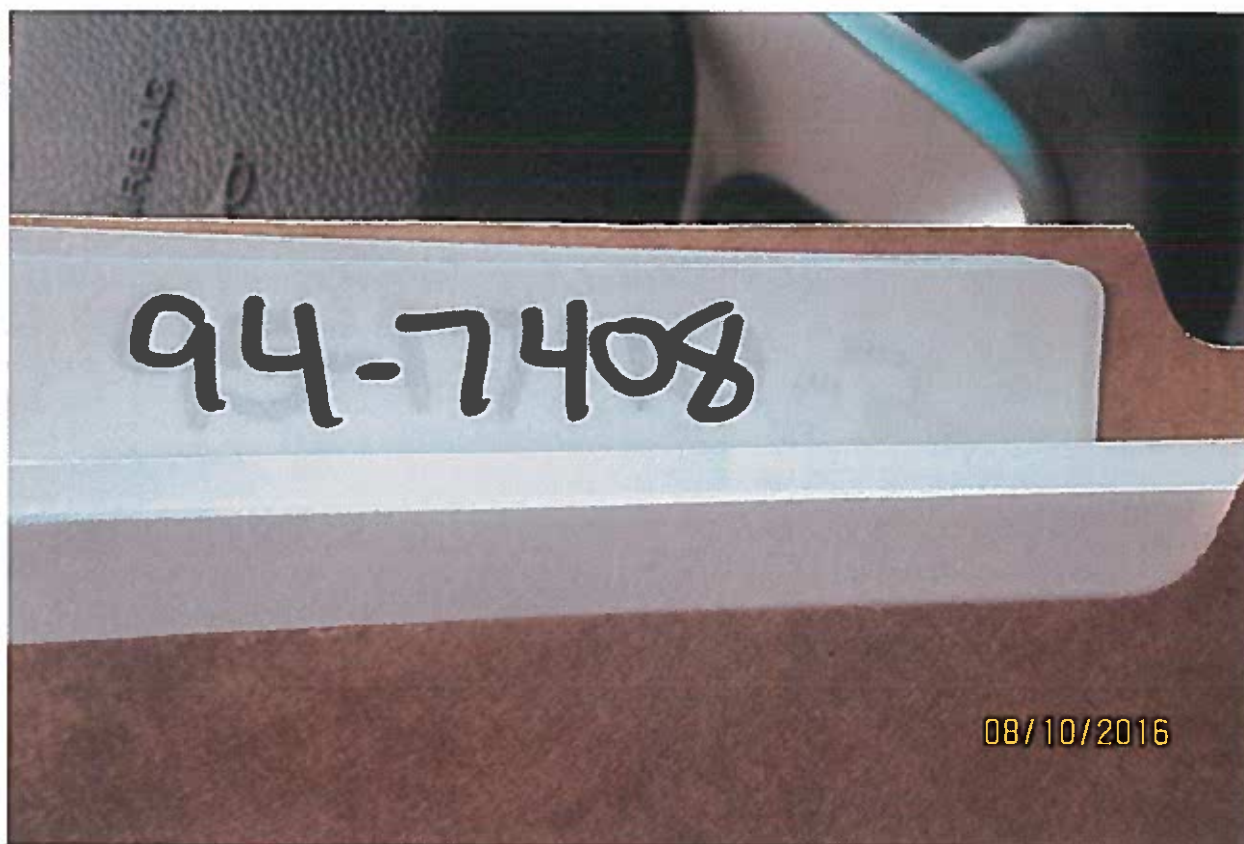
| Date  | Time Check         | Meter Rd. X-1000 | Gals X-1000 | Flow GPM | Pressure IN | OUT | Pump Status | Pump 1 HRS. | Pump 2 HRS. | Pump 3 HRS. | CL2 Pump HRS. | Turb. | Comments                       |
|-------|--------------------|------------------|-------------|----------|-------------|-----|-------------|-------------|-------------|-------------|---------------|-------|--------------------------------|
| 1     | 9:39A              | 10999779         | 3121        | 2449     | 81          | 72  | 2-on        | 29486.9     | 26634.8     | 23937.4     | 17437.4       | 0.145 | #1 pump locked and Tagged Out. |
| 31    | 9:19A              | 10996611         | 3168        | 2451     | 81          | 71  | 2-on        | 29486.9     | 26627.9     | 23929.3     | "             | 0.153 | #1 pump off / Locked out.      |
| 30    | 7:55A              | 10993521         | 3090        | 2457     | 80          | 70  | 3-on        | 29486.9     | 26618.0     | 23919.9     | "             | 0.152 | #1 pump OFF / Locked out       |
| 29    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 28    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 27    | 8:50A              | 10995314         |             |          | 72          | 72  | OFF         | 29486.9     | 26594.8     | 23894.5     | "             | 0.156 | Changed charts / #1 Locked out |
| 26    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 25    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 24    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 23    | 10:03A             | 10974725         |             | 2447     | 81          | 70  | 2-on        | 29486.9     | 26556.1     | 23861.4     | "             | 0.151 | #1 - OFF TAGGED OUT            |
| 22    | 7:15 <sup>45</sup> | 10971827         | 2998        | 2470     | 85          | 73  | 3-ON        | 29486.3     | 26547.0     | 23850.8     | "             | 0.147 |                                |
| 21    | 7:15 <sup>45</sup> | 10969053         | 2774        | 2470     | 72          | 72  | OFF         | 29486.9     | 26537.9     | 23840.9     | "             | 0.224 |                                |
| 20    | 11:30AM            | 10966917         | 2136        | 2425     | 86          |     | 2-ON        | 29481.7     | 26530.0     | 23838.8     | "             | 0.150 | Flashed Turb.                  |
| 19    |                    | 2804 AVG         | 5608        |          |             |     |             |             |             |             |               |       |                                |
| 18    | 11:15A             | 10961309         |             | 2437     | 80          | 70  | 2-on        | 29470.4     | 26514.8     | 23830.2     | "             | 0.149 |                                |
| 17    |                    | 2905 AVG         | 8717        |          |             |     |             |             |             |             |               |       |                                |
| 16    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 15    | 7:30AM             | 10952592         |             | 2138     | 82          | 70  | 1-ON        | 29451.2     | 26489.9     | 23817.9     |               | 0.158 |                                |
| 14    | 7:50AM             | 10949812         | 2780        | 2467     | 85          | 70  | 3-on        | 29443.2     | 26484.0     | 23811.8     |               | 0.167 |                                |
| 13    | 8:25A              | 10947255         | 2557        | 2457     | 80          | 70  | 3-on        | 29434.9     | 26481.8     | 23803.8     | "             | 0.165 | Changed charts                 |
| 12    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 11    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 10    |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 9     | 9:00AM             | 10936493         |             | 2480     | 80          | 70  | 3-ON        | 29400.8     | 26468.1     | 23775.1     | 17437.4       | 0.173 | Toc Sample                     |
| 8     |                    | 2593 AVG.        | 7780        |          |             |     |             |             |             |             |               |       |                                |
| 7     |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 6     | 11:00AM            | 10928913         |             | 4882     | 70          | 88  | 2-3-ON      | 29378.3     | 26458.0     | 23752.1     | 17432.4       | 0.166 |                                |
| 5     |                    | 2764 AVG.        | 13823       |          |             |     |             |             |             |             |               |       |                                |
| 4     |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 3     |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 2     |                    |                  |             |          |             |     |             |             |             |             |               |       |                                |
| 1     | 8:15AM             | 10915090         |             | 4883     | 70          | 88  | 2-3-ON      | 29340.1     | 26419.8     | 23731.2     | 17437.4       | 0.172 |                                |
| total |                    | 84689            |             |          |             |     |             | 146.8       | 215         | 206.2       | 0             |       |                                |

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IDWR/NORTHERN

Pumping Records submitted at time of exam

| Date  | Time Check | Meter Rd.<br>X-1000 | Gals<br>X-1000 | Flow<br>GPM | Pressure |     | Pump<br>Status | Pump 1<br>HRS. | Pump 2<br>HRS. | Pump 3<br>HRS. | CL2 Pump<br>HRS. | Turb. | Comments                               |
|-------|------------|---------------------|----------------|-------------|----------|-----|----------------|----------------|----------------|----------------|------------------|-------|----------------------------------------|
|       |            |                     |                |             | IN       | OUT |                |                |                |                |                  |       |                                        |
| 1     | 12:00P     | 11090175            | 2743           | 2455        | 81       | 71  | 2-on           | 24482.2<br>OFF | 26883.3        | 24249.3        | 17437.4          | 0.032 | changed charts #1 2140 GPM             |
| 31    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 30    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 29    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 28    | 9:02A      | 11079915            |                | 2467        | 82       | 70  | 3-on           | OFF            | 26853.9        | 24209.6        | "                | 0.134 | Happy Working on #1 soft start         |
| 27    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 26    | 8:00A      | 11073578            |                | 2449        | 87       | 70  | 3-on           | OFF            | 26833.1        | 24187.1        | "                | 0.135 |                                        |
| 25    | 7:15A      | 11070567            | 3011           | 2445        | 85       | 68  | 2-on           | OFF            | 26823.5        | 24176.2        |                  | 0.136 |                                        |
| 24    | 1:45P      | 11068670            | 1897           | 2458        | 80       | 70  | 3-on           | OFF            | 26819.9        | 24173.6        | "                | 0.135 |                                        |
| 23    |            | 3158 AVG            | 6317           |             |          |     |                |                |                |                |                  |       |                                        |
| 22    | 11:45A     | 11062353            |                | 2438        | 80       | 71  | 2-on           | OFF            | 26802.7        | 24151.5        | "                | 0.137 | Installing pump & motor                |
| 21    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 20    | 8:52A      | 11056076            |                | 2430        | 81       | 72  | 2-on           | OFF            | 26783.3        | 24129.1        | "                | 0.140 |                                        |
| 19    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 18    | 8:30A      | 11050487            |                | 2459        | 87       | 72  | 3-on           | OFF            | 267643.7       | 24109.0        | "                | 0.139 |                                        |
| 17    | 8:44A      | 11047662            | 2825           | 2461        | 81       | 71  | 2-on           | OFF            | 26757.3        | 24097.2        | "                | 0.143 | Re Worst Pulling pump / changed charts |
| 16    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 15    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 14    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 13    | 3:12P      | 11037089            |                | Φ           | 70       | 70  | OFF            | OFF            | 26730.1        | 24058.8        | "                | 0.142 | Reset #2 & #3 pump power loss          |
| 12    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 11    |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 10    | 10:13A     | 11027738            |                | 2509        | 81       | 71  | 3-on           | OFF            | 26704.9        | 24032.0        | "                | 0.141 | changed charts                         |
| 9     |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 8     | 8:48A      | 11021518            |                | 2438        | 81       | 72  | 2-on           | OFF            | 26699.0        | 24014.5        | "                | 0.142 |                                        |
| 7     |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 6     |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 5     |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 4     |            |                     |                |             |          |     |                |                |                |                |                  |       |                                        |
| 3     | 10:24A     | 11005745            |                | 2447        | 81       | 71  | 3-on           | OFF            | 26653.6        | 23957.0        | "                | 0.145 | changed charts                         |
| 2     | 10:58A     | 11002900            | 2845           | 2444        | 80       | 71  | 2-on           | 24436.9        | 26642.6        | 23948.5        | "                | 0.146 |                                        |
| 1     | 9:39A      | 10999779            | 3121           | 2449        | 81       | 72  | 2-on           | 24436.9        | 26634.8        | 23937.4        | 17437.4          | 0.145 | #1 pump Locked and Tagged out.         |
| total |            | 90396               |                |             |          |     |                | 0.3            | 248.5          | 310.9          | Φ                |       | #1 OFF MOST OF THE MONTH - REPAIRS     |

| Date  | Time Check | Meter Rd. X-1000 | Gals X-1000 | Flow GPM | Pressure IN | OUT | Pump Status | Pump 1 HRS. | Pump 2 HRS. | Pump 3 HRS. | CL2 Pump HRS. | Turb. | Comments                |
|-------|------------|------------------|-------------|----------|-------------|-----|-------------|-------------|-------------|-------------|---------------|-------|-------------------------|
| 1     | 3:30 PM    | 11188223         |             | 4834     | 88          | 72  | 2-ON        | 29658.3     | 27035.3     | 24533.2     | 17437.4       | 0.109 |                         |
| 31    | 8:25 AM    | 11183732         |             | 2414     | 87          | 72  | 2-ON        | 29644.8     | 27027.7     | 24521.7     | "             | 0.118 |                         |
| 30    | 7:15 AM    | 11180118         | 3614        | 4519     | 87          | 70  | 1+3 ON      | 29638.1     | 27021.2     | 24509.6     | "             | 0.119 |                         |
| 29    | 11:30 AM   | 11177323         | 2795        | 2481     | 80          | 70  | 3-ON        | 29636.4     | 27020.4     | 24492.9     | 17437.4       | 0.115 | Changed charts          |
| 28    | 2:08 PM    | 11174224         | 3099        | 2465     | 81          | 71  | 3-on        | 29635.5     | 27018.4     | 24474.6     | "             | 0.114 |                         |
| 27    | 10:00 PM   | 11170153         | 4071        | 2136     | 81          | 71  | 1-on        | 29633.3     | 27014.9     | 24455.1     | "             | 0.115 |                         |
| 26    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 25    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 24    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 23    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 22    | 10:45 AM   | 11152795         |             | 0        | 70          | 70  | OFF         | 29597.5     | 26891.9     | 24400.2     | "             | 0.120 | Changed charts          |
| 21    |            | 2657 AVE         | 11430       |          |             |     |             |             |             |             |               |       | 2" TEE instal @ Bridge. |
| 20    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 19    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 18    | 11:05 AM   | 11141365         |             | 0        | 70          | 70  | OFF         | 29578.1     | 26869.3     | 24379.8     | "             | 0.121 |                         |
| 17    | 9:03 AM    | 11138027         | 3338        | 0        | 70          | 80  | OFF         | 29575.5     | 26864.3     | 24366.9     | "             | 0.122 |                         |
| 16    |            | 2679 AVE         | 5758        |          |             |     |             |             |             |             |               |       |                         |
| 15    | 10:55 AM   | 11132269         |             | 4508     | 82          | 73  | 1-2-on      | 29562.3     | 26859.5     | 24344.0     | "             | 0.124 | Changed charts          |
| 14    |            | 2984 AVE         | 27888       |          |             |     |             |             |             |             |               |       |                         |
| 13    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 12    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 11    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 10    |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 9     |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 8     | 9:06 AM    | 11111381         |             | 2446     | 82          | 71  | 2-on        | 29518.6     | 26824.0     | 24277.1     | "             | 0.131 | changed charts          |
| 7     |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 6     |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 5     |            |                  |             |          |             |     |             |             |             |             |               |       |                         |
| 4     | 7:45 PM    | 11099169         |             | 2425     | 85          | 71  | 2-on        | 29499.9     | 26894.0     | 24259.4     |               | 0.132 |                         |
| 3     | 7:30 AM    | 11095936         | 3233        | 2446     | 81          | 71  | 3-on        | 29497.0     | 26894.0     | 24258.0     | "             | 0.135 |                         |
| 2     | 8:10 PM    | 11092918         | 3018        | 2163     | 81          | 71  | 1-on        | 29494.5     | 26893.7     | 24250.3     | "             | 0.136 |                         |
| 1     | 12:06 PM   | 11090175         | 2743        | 2455     | 81          | 71  | 2-on        | 29487.2     | 26883.3     | 24248.3     | 17437.4       | 0.132 | changed charts          |
| total |            | 98048            |             |          |             |     |             | 171.1       | 152         | 284.9       |               |       |                         |



Enaville Well, given IDWR tag A0020008.



Well and pump station.





Ultra Mag Electromagnetic Flow Meter.



Three 200hp Bryon Jackson pumps.



Pump 3 signal converter. 2,450gpm was reached after photo was taken.



Pump 2 signal converter.



Pump 1 signal converter.