

[illegible]

PLACE OF USE: IRRIGATION

Tw	Rge	Sec	NE				NW				SW				SE				Totals
14S	36E	18	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	1.5
																			1.5

Total Acres: 1.5

Method of Determination: Aerial photography and map

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

D. FLOW MEASUREMENTS

2. Measurements:

In office field exam

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method: Theoretical method

$$Q = \frac{8.8 * 0.70 (\text{Efficiency}) * 6.5 (\text{hp})}{200 (\text{depth to water}) + 2.31 * 50 (\text{psi})}$$

$$Q = 0.13 \text{ cfs}$$

Domestic use for 1 home = 0.04 cfs

Stockwater use for 70 cattle and/or horses = 0.02 cfs

1.5 acres of irrigation @ 0.03 cfs per acre = 0.04 cfs

Total Q = 0.10 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 1.5 (\text{Acres Irrigated}) \times 3.5 (\text{Irrigation Requirement}) = 5.2 \text{ acre-feet}$$

$$V_{D.R.} = 0.04 (\text{cfs}) \times 214 \text{ days} \times 1.9835 = 17.0 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 5.2 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

Domestic use is for 1 home = 1.2 acre-feet

Stockwater use is for 70 cattle and/or horses @ 12 gallons per livestock = 0.90 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Well is used for irrigation, domestic and stockwater purposes. Review of aerial photography and department records show irrigation occurring on 1.5 acres of pasture using a sprinkler irrigation system. Aerial photography shows several stock troughs and one home. Property at the point of diversion and place of use is owned by the permit holder (Kathryn Dawson). Rate of diversion was based on a theoretical calculation. Based on the theoretical the total rate of diversion is 0.13 cfs. The size of the horse power used in the theoretical calculation was based off of a purchase invoice. The purchase invoice was submitted with proof of beneficial use (10/27/2004).

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>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.20 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.90 AF
IRRIGATION	04/01 to 10/31	0.040 CFS	5.20 AF
<u>Totals:</u>		0.100 CFS	7.30 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  Date 1/29/2014

Reviewer _____ Date _____



POD

Water Uses



Domestic



Stockwater



Irrigation



Township/Range



Sections



QQ



Invoice

C41095
DAWSON, KATHY
2870 N. 3000 W.
MALAD, ID 83252

RECEIVED

OCT 27 2004

DEPARTMENT OF
WATER RESOURCES

Invoice Date: 08.27.03
Page: 1
Salesperson: 9
Invoice #: 42950
Due Date: 09.11.03
Disc Date:
Time: 9:24 AM
C-41095

Quantity	Item Number	List Price	Sale Price	Discount	Extension	Tx
	Item Description					
	INSTALL 1.5 HP SUB PUMP ALONGSIDE 5 HP					
	IN 8" WELL					
1.00	HB3-150-S2	864.00	864.00	25.0000	648.00	Y
	1.5HP 18-20 GPM SUMBE					
1.00	545-00181	96.89	96.89	30.0000	67.82	Y
	1.5HP, 230V, CONTROL BX					
1.00	LD-S-12	78.00	78.00	20.0000	62.40	Y
	1-1/4" PITLESS ADAPT					
250.00	3	0.00	1.19		297.50	Y
	1 1/4" SCH 80 PVC					
310.00	10/3G M	1.13	1.13	20.0000	280.24	Y
	10/3 W/GRD FLAT WIRE					
1.00	SP4C	5.00	5.00		5.00	Y
	14/12/10 H.S. SPLICING					
1.00	3	0.00	213.30		213.30	Y
	PLUMB PARTS					
13.00	LB	50.00	50.00		650.00	Y
	LABOR BOB DUNN					

THANK YOU,

Tax Totals TAX 141.24

GLENN'S ELECTRIC MOTOR & PUMP
501 NORTH MAIN
LOGAN, UT 84321

(435)752-4178
Tax ID #87-0266542

Subtotal : 2554.99
Discount : 330.73
Net Total : 2224.26
Sales Tax : 141.24
Invoice Total: 2365.50
Received :
On Account : 2365.50
Your Change :

-150.00
2215.50

Statement

RECEIVED

OCT 27 2004

DEPARTMENT OF
WATER RESOURCES

DAWSON, KATHY
2870 N. 3000 W.
MALAD, ID 83252

Customer : C41095
:
Date : 10.01.03
:
Page : 1
:
Salesperson : 9

Inv Date	Due Date	Invoice #	Type	Reference	Orig Amount	Balance
09.27.03	09.11.03	42950	Inv	C-41095 Work Order Number:	2365.50	2365.50
09.02.03	10.11.03	42992	Inv	CREDIT ON PUMP Work Order Number:	150.00-	150.00-
10.01.03	10.01.03	SVC.CHG	Svc	Work Order Number:	47.31	47.31

Service Charges Paid Last Year 0.00

Before	30:	30 To	59:	60 To	89:	90	To 119:	120 And Over:	Total Due
2262.81	:		0.00 :		0.00 :		0.00 :	0.00 :	2262.81

Remit Payment To:

GLENN'S ELECTRIC MOTOR & PUMP
501 NORTH MAIN
LOGAN, UT 84321

(435)752-4178

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only

Inspected by _____

Twp _____ Rge _____ Sec _____

_____ 1/4 _____ 1/4 _____ 1/4

Lat: : : Long: : :

1. WELL TAG NO. D 0024503
 DRILLING PERMIT NO. _____
 Other IDWR No. _____

2. OWNER: Name Kathy Dawson
Address P.O. Box 133
City Maced City State TX Zip 83252

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 14 North ☐ or South ☒
 Rge. 36 East ☒ or West ☐
 Sec. 18 1/4 NW 1/4 NW 1/4
 Gov't Lot _____ 10 acres
 County Oneida 180 acres
 Lat: _____ Long: _____
 Address of Well Site 2870 N
 City Malden
2000 W
 (Give at least name of road or distance to Road or Landmark)

Lt. Blk. Sub. Name

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK				AMOUNT	METHOD
Material	From	To	Sacks or Pounds		
Bentonite	0	20	8	Over Boile	

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 3/5
Was drive shoe seal tested? ☐ Y ☐ N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	0	316	.25	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations Method Machine air
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
300	315	1/4x1"	120	8"	Steel	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artes an

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. cold Bottom hole temp. cold

Water Quality test or comments: 9800

Depth first Water Encounter 36

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

[illegible]

Completed Depth 316 (Measurable)
Date: Started 9-15-02 Completed 10-1-02

13. DRILLER'S CERTIFICATION

1/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Mountain Vertical Drilling Firm No. 543

Firm Official Michael Frandsen Date 10-20-02

Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES