

Permit No: 22-7676

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

Page **APR 23 2004**
Department of Water Resources

A. GENERAL INFORMATION

Permit No: 22-7676

Exam Date: **6/20/2002**

1. Current Owner: BRANDI SUTTON
733 W 8200 S
REXBURG ID 83440
(208)356-0427

And/Or

SUSAN SUTTON
733 W 8200 S
REXBURG ID 83440
(208)356-0427

And/Or

SHANE SUTTON
733 W 8200 S
REXBURG ID 83440
(208)356-0427

And/Or

RICK SUTTON
733 W 8200 S
REXBURG ID 83440
(208)356-0427

And/Or

GARTH SUTTON
1295 E 10000 S
REXBURG ID 83440
(208)356-6630

And/Or

JOLENE SUTTON
1295 E 10000 S
REXBURG ID 83440
(208)356-6630

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

Shane Sutton

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:

22-7711 Sunnydell CANAL shares
22-7711

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

SE1/4SE1/4

Sec. 9, Twp 04N, Rge 40E, B.M.

MADISON County

Method of Determination:

FE, ARC VIEW

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	
04N 40E 9													17.0	40.0	30.0	37.0	124.0
04N 40E 10		2.0	2.0		11.0		20.0	38.0	40.0	37.0	24.0	40.0		32.0	26.0		272.0
04N 40E 15					14.0	7.0											21.0

Total Acres: 417

Sunnydell Canal water is AVAILABLE
 some years late into the irrigation season
 some years it doesn't go past July.

NOT AVAILABLE EVERYDAY, WHEN AVAILABLE
 ONLY GOES TO LAND IN SEC 9 SE 1/4
 AND SEC 15 NW 1/4

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>
	US Motors	275		Aurora Vertiline	

*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>

2. Measurements:

SONIC METER
 2990 gpm = 6.66 cfs

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 102 \times 3.5 = 357 \text{ AF/A}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 357 \text{ AF/A}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

well/pump to pivots and handlines. 275 HP US Motors/aurora vertiline pump.
 22-7676 is for 102 acres, 22-7711 is for 277 acres. total of 379 acres.
 these rights are used on 417 acres with the sunnydell canal shares helping
 irrigate the lower POU.
 The well was measured at 2990 GPM or 6.66 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>
IRRIGATION	04/01 to 10/31	2.000 CFS	
<u>Totals:</u>		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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name Keith Wilson Date _____

Reviewer DAVE CARLSON Date 4/26/2004

7676

LOG NAME: **22-7576**
 START: 06-20-2002 09:35
 END: 06-20-2002 09:45
 INTERVAL: 00:01:00

06-20-2002 09:35:00
 +4.563E+0 ft/s
 +2.802E+3 gal/m
 +6.243E+0 ft3/s
 +TOTAL 0000000 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:36:00
 +4.683E+0 ft/s
 +2.876E+3 gal/m
 +6.408E+0 ft3/s
 +TOTAL 0002800 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:37:00
 +4.389E+0 ft/s
 +2.695E+3 gal/m
 +6.005E+0 ft3/s
 +TOTAL 0005461 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:38:00
 +4.597E+0 ft/s
 +2.823E+3 gal/m
 +6.290E+0 ft3/s
 +TOTAL 0008291 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:39:00
 +4.633E+0 ft/s
 +2.845E+3 gal/m
 +6.339E+0 ft3/s
 +TOTAL 0010930 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:40:00
 +4.855E+0 ft/s
 +2.981E+3 gal/m
 +6.642E+0 ft3/s
 +TOTAL 0013853 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:41:00
 +4.803E+0 ft/s
 +2.949E+3 gal/m
 +6.572E+0 ft3/s
 +TOTAL 0016755 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:42:00
 +4.691E+0 ft/s
 +2.880E+3 gal/m
 +6.418E+0 ft3/s
 +TOTAL 0019665 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:43:00
 +4.869E+0 ft/s
 +2.990E+3 gal/m
 +6.662E+0 ft3/s
 +TOTAL 0022559 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:44:00
 +4.712E+0 ft/s
 +2.893E+3 gal/m
 +6.447E+0 ft3/s
 +TOTAL 0025512 gal
 -TOTAL 0000000 gal
 NORMAL

06-20-2002 09:45:00
 +4.860E+0 ft/s
 +2.984E+3 gal/m
 +6.649E+0 ft3/s
 +TOTAL 0028426 gal
 -TOTAL 0000000 gal
 NORMAL

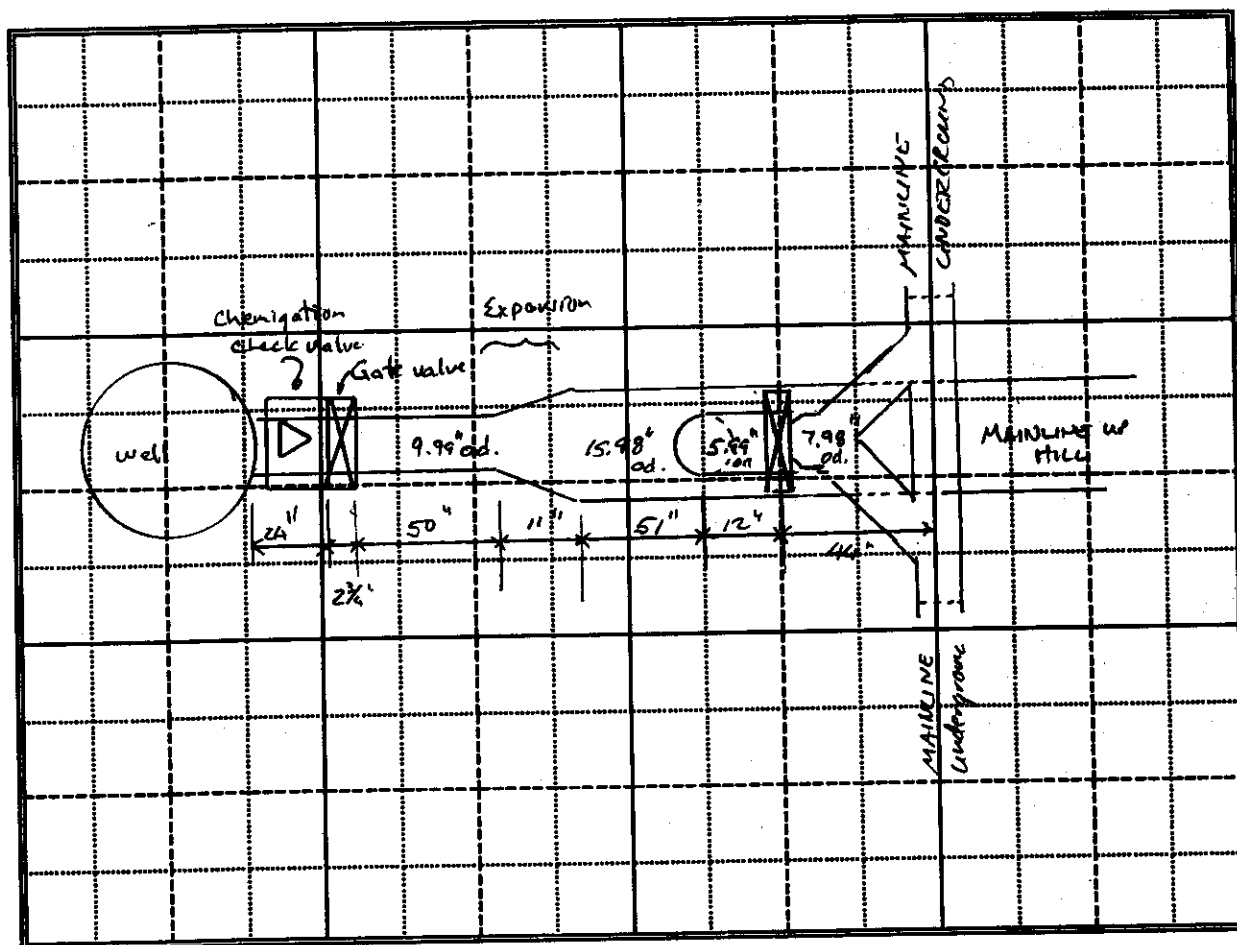
Ave. Flow = $\frac{2842.6}{6.33}$ gpm = $\frac{2842.6}{6.33}$ cfs

Max Flow = $\frac{2990}{6.66}$ gpm = $\frac{2990}{6.66}$ cfs

22-07676

+ 22-07711

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



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
	U.S. Motor	275	1214868	Quincy Vertical	V75-70600

*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

2. Measurements: 16.1" od 0.131" thick Seton, 12.57"

22-7676 22-7711





22-07676