

Twp Rge Sec	NE				NW				SW				SE				Totals
	<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>	
51N 05W 23													X				

PLACE OF USE: IRRIGATION FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 05W 23	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	2.5
																	2.5

Total Acres: 2.5

PLACE OF USE: RECREATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 05W 23	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	X

DIVERSION TO STORAGE same as RECREATION STORAGE

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</u> <u>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</u> <u>Size</u>
D007645	Jacuzzi	7.5	4K	Jacuzzi	4K

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>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:

See Attached

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.5 \times 3 = 7.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .08 \times 246 \times 1.9835 = 39.0$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

Pond: see attached

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES GROUNDWATER FOR STORAGE AND IRRIGATION. THE SYSTEM PUMPS WATER FROM A WELL INTO A POND THAT HOLDS 7.3 AF OF WATER. THE POND IS FOR IRRIGATION STORAGE AND RECREATION STORAGE. THE IRRIGATION PULL FROM THE POND OR THE WELL FOR THE IRRIGATION OF 2.5 ACRES. THE PERMIT ORIGINALLY WAS FOR 5 ACRES BUT THE ENTIRE PROPERTY IS 5 ACRES THEN YOU REMOVE THE HOUSE SHOP AND POND KNOCKING IT DOWN TO 2.5 ACRES.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
IRRIGATION	03/15 to 11/15	0.080 CFS	7.50 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.190 CFS	
IRRIGATION STORAGE	03/15 to 11/15		7.30 AF
IRRIGATION FROM STORAGE	03/15 to 11/15		7.30 AF
RECREATION STORAGE	01/01 to 12/31		7.30 AF
<u>Totals:</u>		0.190 CFS	14.80 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

12-20-07

Reviewer

Date

12/29/7

BRANT MORE IS WELL PUMP

6" Submersible Pumps

SandHandler High Capacity 75 gpm Performance Curves

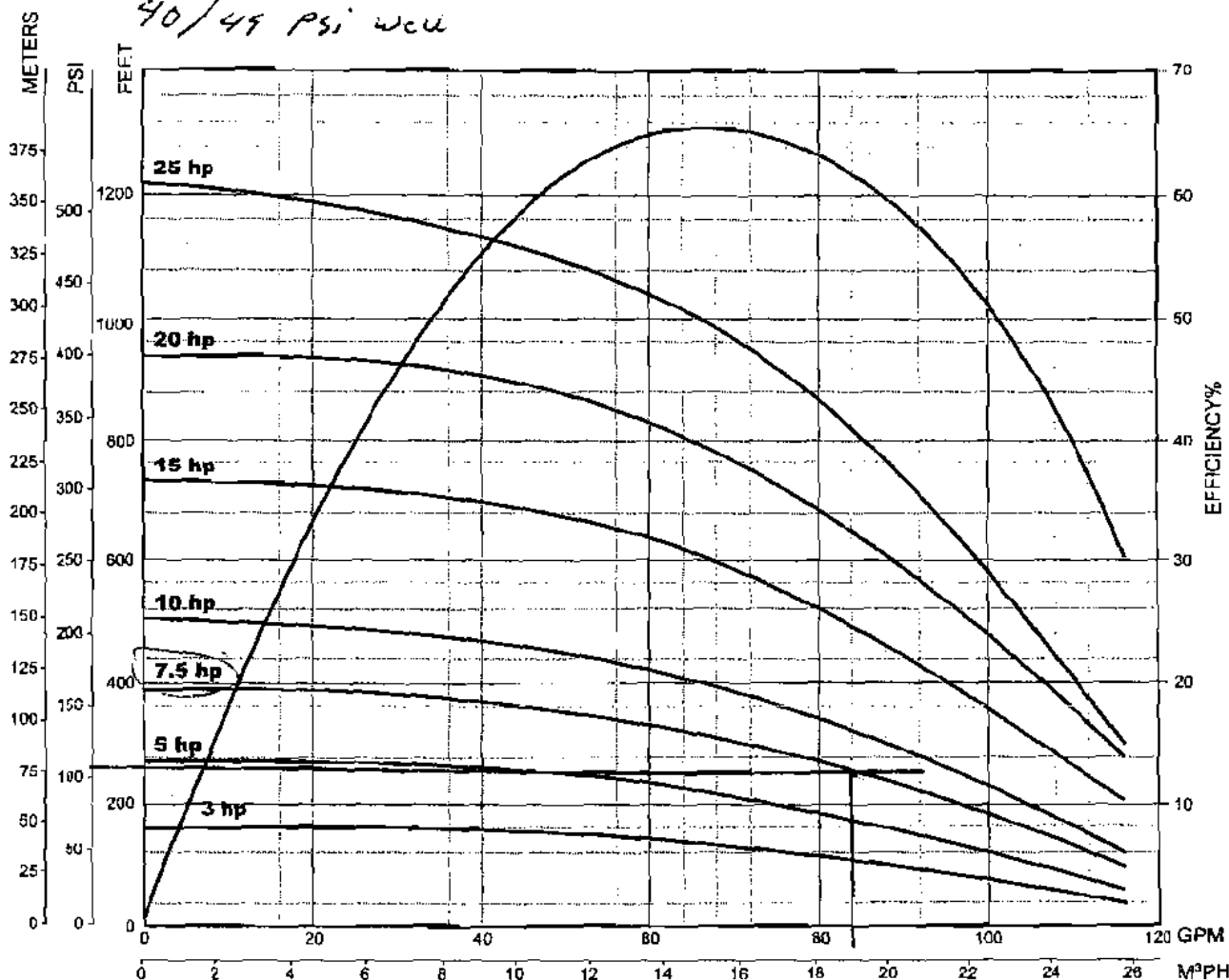
95-9122

7.5 hp Jacuzzi Pump

85 gpm = .19 CFS

60 to 75 PSI IRR

40/49 PSI WCU



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IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

95-9122

Office Use Only
Inspected by _____
Two _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat _____ Long _____

1. WELL TAG NO. D0017645

DRILLING PERMIT N

770454

Other IDWR No

2. OWNER:

Name **Brant Morris**

Address W9889 Gallop Lane

City Post Falls

State ID

Zip 83854

3. LOCATION OF WELL by legal description:

N
W 51N North ✓ or South
Rge 05W East or West ✓
Sec 23 1/4 NE 1/4 SE 1/4
10 Ac 40 Ac 160 Ac
Gov't Lot _____ County Kootenai
Lat _____ Long _____
S
Address of Well Site: (see next line)

W9889 Gallop Lane

City Post Falls

Lot _____ Blk _____ Sub. Name (see next line)

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/Lbs	
Bentonite	0	18	15 sacks	pour in

Drive Shoe Used? Y ✓ N Shoe Depth(s)

Drive Shoe Seal Tested? Y ✓ N How?

8. CASING/LINER

Diam	From	To	Gauge	Material	Casing	Liner	Weld Thred
8	2	298	0.250	Steel	✓		✓

Length Headpipe

Length Tailpipe

9. PERFORATIONS/SCREENS

✓ Perforations? Method air perforator

Screens? Screen Type

From	To	Slot	Nmbr	Diam	Material	Casing	Liner
276	296	1"	800		steel	✓	

10. STATIC WATER LEVEL or ARTESIAN PRESSURE

230 ft. below ground. Artesian pressure lb.

Depth flow encountered 230 ft Describe access port or

control devices. Steel cap welded

11. WELL TESTS:

Pump	Bailer	✓ Air	Flowing Artesian
Yield gal./min.	Drawdown	Pump Level	Time
150+	100%	290	2 hrs

Water Temp. cold

Bottom hole temp cold

Water Quality test or comments: (below) Depth first Water Encountered 230
clear, no smell

12. LITHOLOGIC LOG (Describe repairs or abandonment)

Bore Diam	From	To	Remarks Lithology, Water Quality and Temperature	Water
10	0	1	Topsoils	✓
10	1	18	Sand & gravel - 1" minus	✓
8	18	120	Sand & gravel - 3/4" minus	✓
8	120	170	Sand & gravel - 1" minus	✓
8	170	230	Sand & gravel - 3/4" minus	✓
8	230	250	Sand & gravel - 3/4" minus	✓
8	250	300	Sand & gravel - 1" minus	✓

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IDAHO DEPARTMENT OF WATER RESOURCES

Completed Depth 296 (Measurable)

Date: Started 8/13/01 Completed 8/15/01

13. DRILLERS CERTIFICATION

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

Firm Name United Drilling Inc

Firm No 41

Firm Official and

Jason C. Beckham

Date 8/17/01

Supervisor or Operator Jason C. Beckham

Date 8/17/01

FORWARD WHITE COPY TO WATER RESOURCES

435

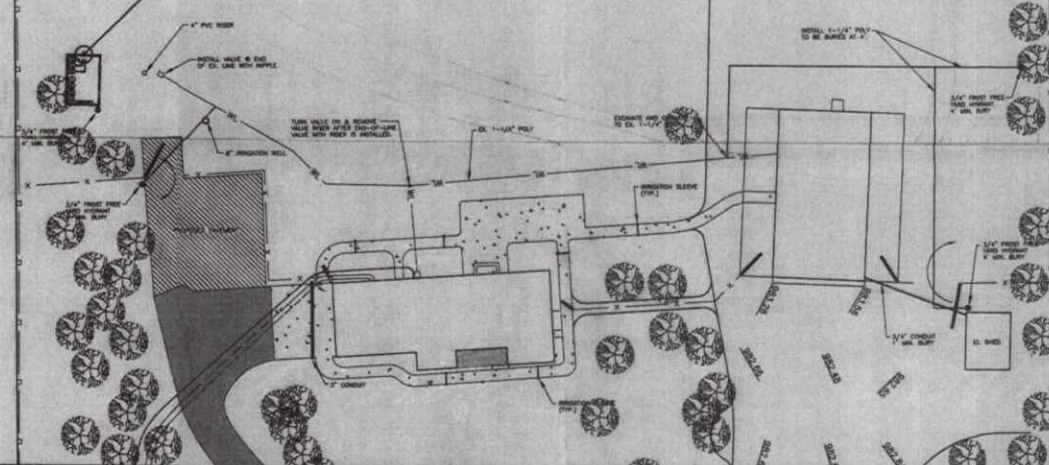
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0.05 0 0.05 0.1 Miles

- Administrative BasinsAdminbas.shp
- Township/Range
- Sections
- QQ
- ⊙ Right POD
- Pou.shp





SHEET: 1 OF 1	DATE: 10/24/91 FIRM: 2150 N. 1000 E., PMO SUB: DR. DRG PROJECT: 1 SCALE: 1" = 20'	Brant's Pond Vegetation FOOTWEAR COUNTY, IDAHO	NO.	DATE	DESCRIPTION	BY



Inland Northwest Consultants
 ENGINEERS • SURVEYORS • PLANNERS
 620 Post Street, Post Falls, Idaho 83854
 (208) 773-8278 • FAX (208) 777-2128
 E-MAIL: inw@idnet.net



IRRIGATION 1



IRRIGATION 2



POINT OF DIVERSION



POND AND IRRIGATION 1



POND AND IRRIGATION 2



POND AND IRRIGATION 3



SYSTEM 1



SYSTEM 2



SYSTEM 3

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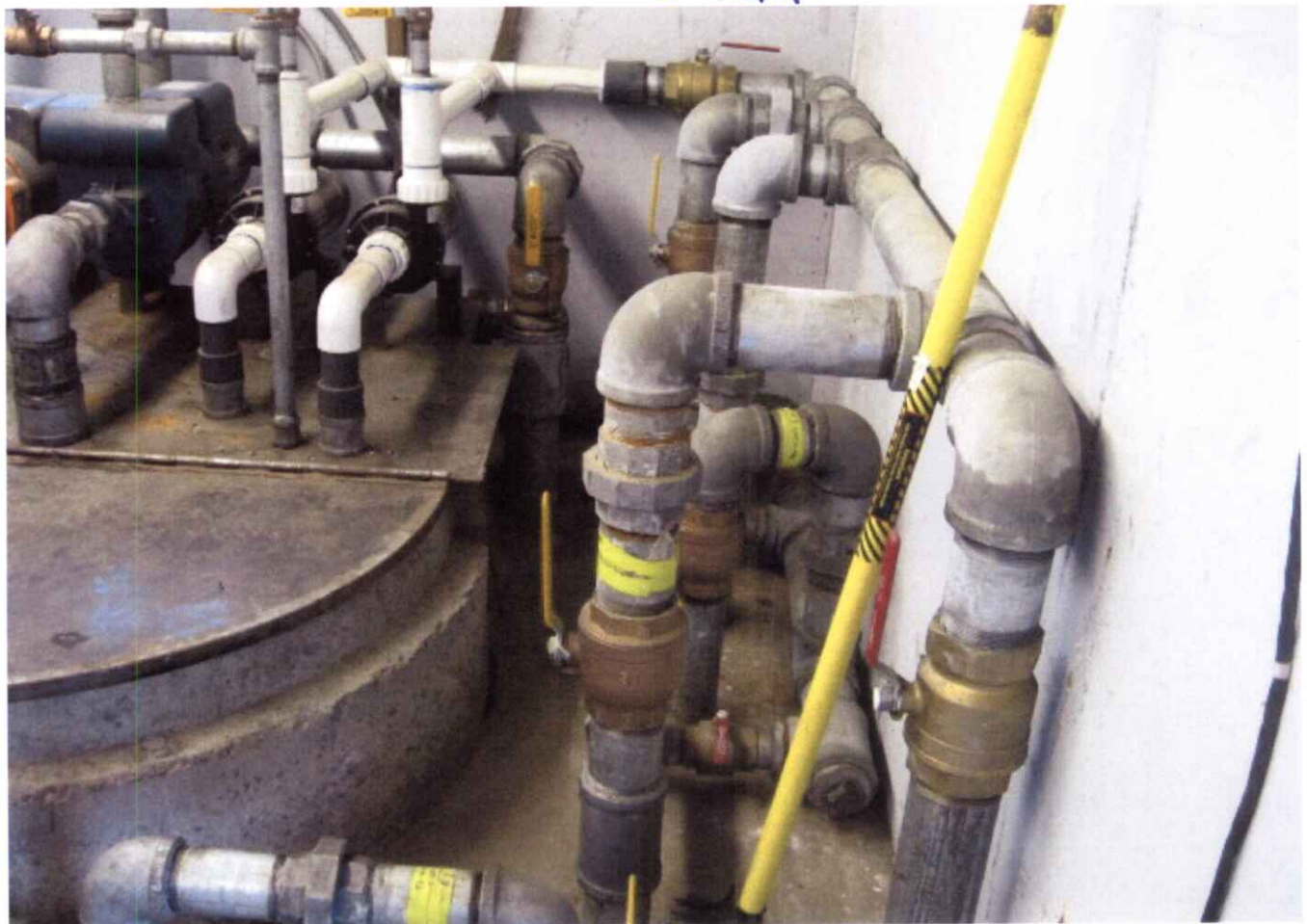


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