

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9258

Exam Date: 8/7/2008

1. Current Owner: MICA VIEW ESTATES HOME OWNERS ASSN INC
C/O H JAMES MAGNUSEN
1400 NORTHWOOD CENTER CT STE A
COEUR D ALENE ID 83814
(208)665-9502
2. Accompanied by: Steve Syrcle
Phone No: 208-665-9502
Address: Same
Relationship to Permit Holder: Tri- State Consulting. LLC

3. SOURCE
GROUND WATER

TRIBUTARY**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

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

GROUND WATER

L1 SW1/4NE1/4

Sec. 10, Twp 49N, Rge 04W, B.M.

KOOTENAI County

Method of Determination: Map

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N 04W 10		X	X										X				
			L 1										L 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>
D0040727	Grundfos	7.5	2822019310	Franklin	Model 855
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Worksheet: Water Right

PUMP EQUATIONS WATER RIGHT No. 95-9258						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	7.5	249.0816327	0.75	145	45
Q =	0.199 cfs 89.3 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6 \text{ ac} \times 3.0 \text{ AF} = 18 \text{ AF}$$

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

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

$$2. \text{ Volume Calculations for Other Uses: } 12 \text{ homes} \times .6 \text{ AF} = 7.2 \text{ AF}$$

$$18 \text{ AF} + 7.2 \text{ AF} = 25.2$$

$$\text{TOTAL Volume} = 25.2 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS: This water right need amendment to change the use to Municipal. Volume amounts were based on the use from the permit.

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>
MUNICIPAL	01/01 to 12/31	0.200 CFS	25.20 AF
<u>Totals:</u>		0.200 CFS	25.20 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 E. J. Brown Date 9-12-08

Reviewer Michael Date 9/30/08



well tag.JPG



METER.JPG



Sample site.JPG



system .JPG

95- 9258



95-9258





95-9258



MICAH VIEW EST.'S - WELL

Form 238-7
11/97

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. D0040727

DRILLING PERMIT N 835502

Other IDWR No _____

2. OWNER:

Name Mica Bay Land Trust

Address Denny Ryerson / 7250 N 16th Street STE 410

City Phoenix

State AZ

Zip 85020-52

3. LOCATION OF WELL by legal description:

N		Twp <u>49N</u>	North ☒ or South ☐
Rge <u>04W</u>		East ☐ or West ☒	
Sec <u>10</u>		1/4 SW 1/4 SW 1/4	
		10 Ac 40 Ac 160 Ac	
Gov't Lot _____		County <u>Kootenai</u>	
Lat _____		Long _____	

Address of Well Site: (see next line)

End of Watson RD Next to Luther Haven

City Coeur d'Alene

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 _____

DRILL METHOD

- ☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			Amount	Method
Material	From	To	Sacks/Lbs	
Bentonite	0	-60	35 Sacks	Four In
Granular				

Drive Shoe Used? ☒ Y ☐ N Shoe Depth(s) 191'

Drive Shoe Seal Tested? ☐ Y ☒ N How? _____

8. CASING/LINER

Diam	From	To	Gauge	Material	Casing	Liner	Weld	Thread
8"	+2	-183	0.322	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length Headpipe _____ Length Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations? Method _____

☒ Screens? Screen Type Stainless Steel

From	To	Slot	Nmbr	Diam	Material	Casing	Liner
-181	-186	.5		7"	Stainless	☒	☐
-186	191	3		7"	Stainless	☒	☐
						☐	☐

STATIC WATER LEVEL or ARTESIAN PRESSURE

145 ft. below ground. Artesian pressure _____ lb.

Depth flow encountered 148 ft. Describe access port or

control devices: Steel Cap Welded

49N 4W 10

11. WELL TESTS:

- ☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pump Level	Time
50+	100%	190	2 Hrs

Water Temp. _____ Cold Bottom hole temp. _____ Cold

Water Quality test or comments: (below) Depth first Water Encountered 148

Clear, Cold, No Smell

12. LITHOLOGIC LOG (Describe repairs or abandonment)

Bore Diam	From	To	Remarks: Lithology, Water Quality and Temperature	Water	
				Y	N
12	0	60	Basalt Cobbles with Clay	☐	☒
10	60	105	Basalt Cobbles with Clay	☐	☒
10	105	115	Clay Brown /Black	☐	☒
10	115	127	Clay Gray	☐	☒
10	127	148	Clay Beige /Brown with some Sand	☐	☒
10	148	165	Basalt Broken with Clay Seams 20 GPM	☒	☐
10	165	190	Basalt Broken with Clay Seams 30 GPM	☒	☐
10	190	191	Clay Brown with Sand	☐	☒

RECEIVED
SEP 16 2005
IDWR/North

Completed Depth 191 (Measurable)
Date: Started 8/26/05 Completed 8/30/05

13. DRILLERS CERTIFICATION

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

Firm United Drilling Inc. Firm No 414
Name _____
Firm Official Tim M. Vally, p.m. Date 8/30/05
and _____
Supervisor or Operator Jason C. Beckham Date 8/30/05

3/ 4

; (208) 772-7229

08-07-08; 03:30PM; UNITED PUMP & DRILLING

PERFORMANCE CURVES

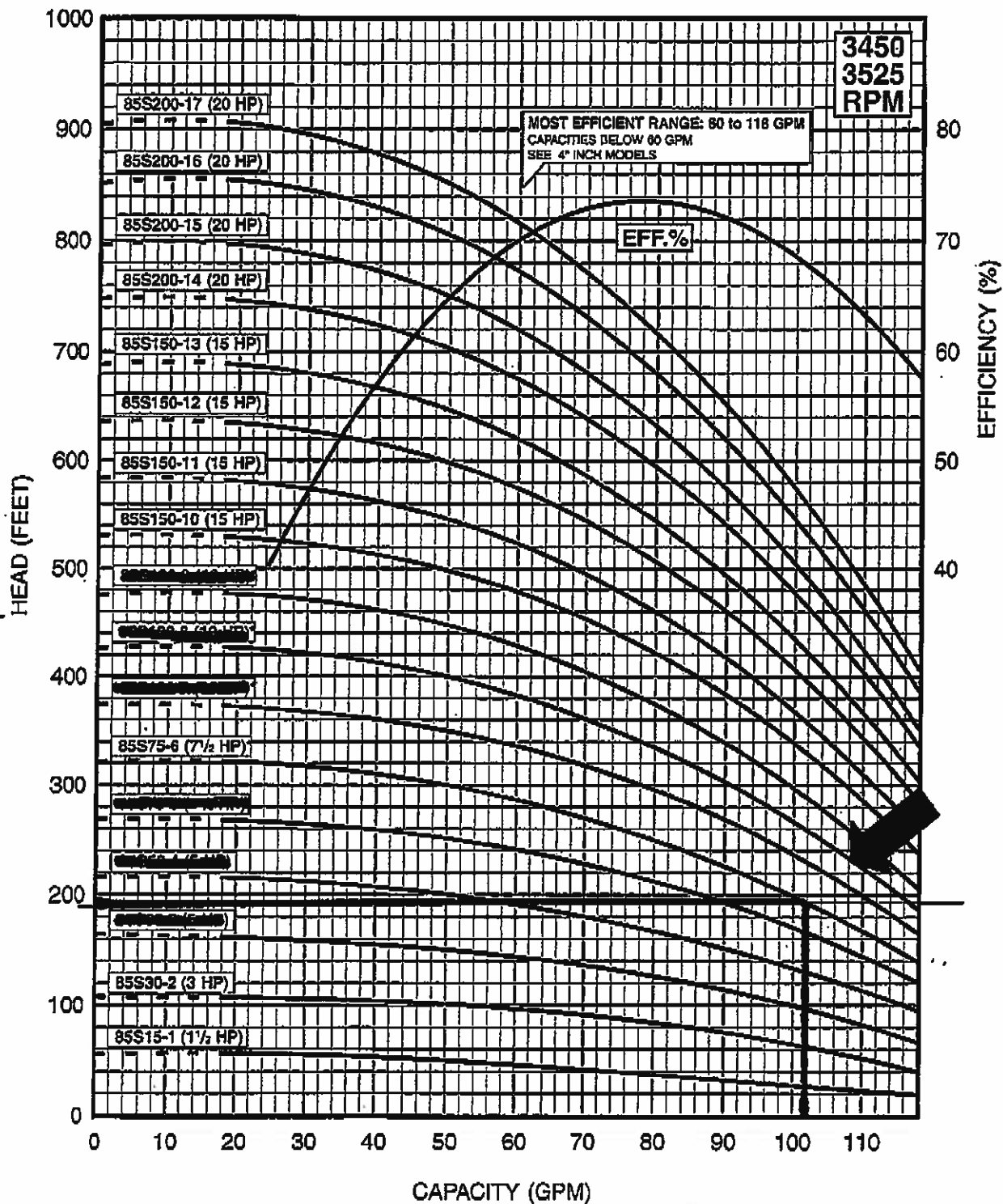
85 GPM

MODEL 85S

LOW RANGE: 18 -118 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 1.5-5 HP/3450 RPM.

6" MOTOR STANDARD, 7.5-50 HP/3450 RPM.

* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 5 ft. min. submergence.

Submersibles

DENNY RYERSON - IRRIGATION SYSTEM

Franklin Pump Systems



SandHandler™ High Capacity 6" 75 GPM Performance Curves

