

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9500

Exam Date: 6/3/2008

1. Current Owner: CHRISTOPHER J BAUER
521 HIDDEN VALLEY RD
SPIRIT LAKE ID 83869-9345
(208)263-1774

And

DANIEL R BAUER
521 HIDDEN VALLEY RD
SPIRIT LAKE ID 83869-9345
(208)263-1774

2. Accompanied by: CHRISTOPHER BAUER

Phone No: SAME AS ABOVE

Address: SAME AS ABOVE

Relationship to Permit Holder: SELF

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

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

GROUND WATER L1 NW¼NW¼ Sec. 19, Twp 54N, Rge 04W, B.M. BONNER County

Method of Determination: GPS

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
54N 04W 18	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	10.0
											7.0	3.0					
											L 4						
54N 04W 19					3.0	31.0	5.0										39.0
						L 1	L 2										

Total Acres: 49

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

54N 04W 18					X L 4	X	
54N 04W 19		X	X L 1	X L 2			
54N 05W 24	X	X					

PLACE OF USE: DOMESTIC

TwP Rge Sec	NE				NW				SW				SE				Totals
54N 04W 18	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW X L 4	SE	NE	NW	SW	SE	

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>

*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:

PUMP EQUATIONS WATER RIGHT No. 95-9500						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	5	181.8231293	0.8	124	25
Q =	0.194 cfs		87.0 gpm			

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 49 \times 3 = 147$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .2 \times 214 \times 1.9835 = 84.9$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 84.9$$

2. Volume Calculations for Other Uses:

$$\begin{array}{r}
 \text{Stock } 1.3 \\
 \text{Domestic } .6 \\
 \text{Irrigation } 84.9 \\
 \hline
 86.8 \text{ AF total}
 \end{array}$$

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES GROUNDWATER FOR DOMESTIC, IRRIGATION AND STOCKWATER. THE DOMESTIC USE IS FOR 1 HOME. THE IRRIGATION IS FOR 49 ACRES. THE STOCKWATER IS FOR UP TO 100 HEAD OF MIXED STOCK. THE WELL WAS DRILLED IN 1985 AND HAS A 5 HP PUMP.

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	0.200 CFS	84.90 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	~~4.30~~ 7 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	0.60 AF
<u>Totals:</u>		0.200 CFS	~~89.80~~ 86.2 AF

2. Recommended Amendments

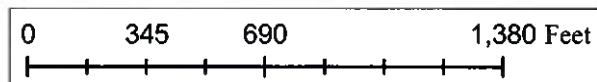
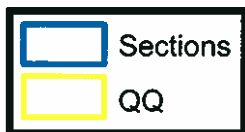
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

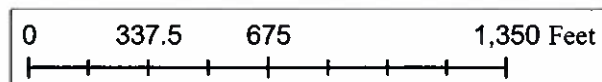
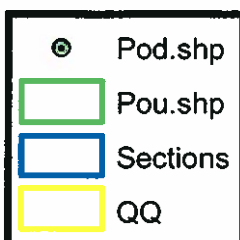
I. AUTHENTICATION

Field Examiner's Name [Signature] Date 6-23-08
 Reviewer [Signature] Date 9/9/8

95-9500



95-9500



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT



TYPEWRITER OR
BALLPOINT PEN

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Gillis Oslund</u> Address <u>429 Embury Crescent Red Deer, Alberta</u> Owner's Permit No. <u>96-8203</u> <u>96-85-N-77</u>	7. WATER LEVEL Static water level <u>124</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ of. Quality _____ Describe artesian or temperature zones below.																																								
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Air ☐ Other _____ <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> <tr> <td style="text-align: center;">40+</td> <td style="text-align: center;">174</td> <td style="text-align: center;">16</td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	40+	174	16																																		
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3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Bore Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th colspan="2">Water</th> </tr> <tr> <th>From</th> <th>To</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>1</td> <td>90</td> <td>sand & gravel 1/2"</td> <td style="text-align: center;">x</td> <td></td> </tr> <tr> <td></td> <td>90</td> <td>110</td> <td>boulders</td> <td></td> <td style="text-align: center;">x</td> </tr> <tr> <td></td> <td>110</td> <td>143</td> <td>sand & gravel course</td> <td style="text-align: center;">x</td> <td></td> </tr> <tr> <td></td> <td>143</td> <td>155</td> <td>blue clay</td> <td style="text-align: center;">x</td> <td></td> </tr> <tr> <td></td> <td>155</td> <td>174</td> <td>sand & pea gravel</td> <td style="text-align: center;">x</td> <td></td> </tr> </tbody> </table>	Bore Diam.	Depth		Material	Water		From	To	Yes	No	10	1	90	sand & gravel 1/2"	x			90	110	boulders		x		110	143	sand & gravel course	x			143	155	blue clay	x			155	174	sand & pea gravel	x	
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____	100731																																								
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>250 inches</td> <td>10 inches</td> <td>1 feet</td> <td>154 feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>Cook</u> Type <u>Stainless Steel</u> Model No. _____ Diameter <u>10</u> Slot size <u>80</u> Set from <u>154</u> feet to <u>174</u> feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>20</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Pudding clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port <u>well cap</u>	Thickness	Diameter	From	To	250 inches	10 inches	1 feet	154 feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	RECEIVED JUN 28 1985 JUL 3 1985 Department of Water Resources Northern District Office Department of Water Resources MICROFILMED								
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6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. N <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">W</td> <td style="text-align: center;">+</td> <td style="text-align: center;">E</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">S</td> <td></td> </tr> </table> Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Bonner</u> N 1/4 Sec. 19 T. 54 N N/S, R. 4 W E/W.	X			W	+	E					S		11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Bronson Water Wells</u> Firm No. <u>360</u> Address <u>Box 1 Spirit Lake, Id</u> Date <u>5-11-85</u> Signed by (Firm Official) <u>ADP</u> and _____ (Operator) _____																												
X																																									
W	+	E																																							
	S																																								

95-9500



PLACE OF USE 1



PLACE OF USE 2



PLACE OF USE 3



PLACE OF USE 4



POINT OF DIVERSION



POU AND POD



PUMP INFORMATION

95-9500



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THOUGH THE PUMP STOPS WHEN THE SWITCHES ARE OFF
TO AVOID SERIOUS OR FATAL SHOCK, SWITCH OFF POWER
TO THIS BOX AT THE FUSE OR CIRCUIT BREAKER PANEL
BEFORE WORKING ON OR AROUND THE BOX, PIPES,
CABLE, PUMP OR MOTOR. DO NOT USE OR TOUCH THIS
BOX, PIPES, CABLE, PUMP OR MOTOR UNLESS ALL
METAL PARTS HAVE BEEN PROPERLY GROUNDED
ACCORDING TO APPLICABLE CODES.



Franklin Electric
Pumps, Motors, Controls, Systems

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MODEL 2821138110 H.P.-5 VOLT-230 HZ-60

PUSH TO RESET

06/03/2008

95-9500