

[illegible]

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>
95-79-N-74	FRANKLIN	25			

*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>
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N/A

2. Measurements:

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: UNABLE TO GET FLOW MEASUREMENT. GATHERED INFORMATION TO DO THEORETICAL IN OFFICE. PUMP WAS LIFTED RECENTLY TO BE 28 FEET ABOVE COMPLETED DEPTH OF 325 FEET. 25 HP FRANKLIN PUMP INSTALLED WITH 55 PSI. THEORETICAL CAME OUT WITH 186.5GPM OR 0.41CFS. SEE ATTACHED FOR THEORETICAL.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: MUNICIPAL FOR 24 HOMES X 1.2 AF = 28.8 AF

G. NARRATIVE/REMARKS/COMMENTS

MUNICIPAL USE FOR 24 HOMES. PUMP SET 28 FEET FROM BOTTOM WITH 25HP FRANKLIN PUMP AND 4 INCH MAIN LINE TO RESIDENTS.

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	0.410 CFS	28.80 AF
<u>Totals:</u>		0.410 CFS	28.80 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 Aden Friedland Date 1-22-2015

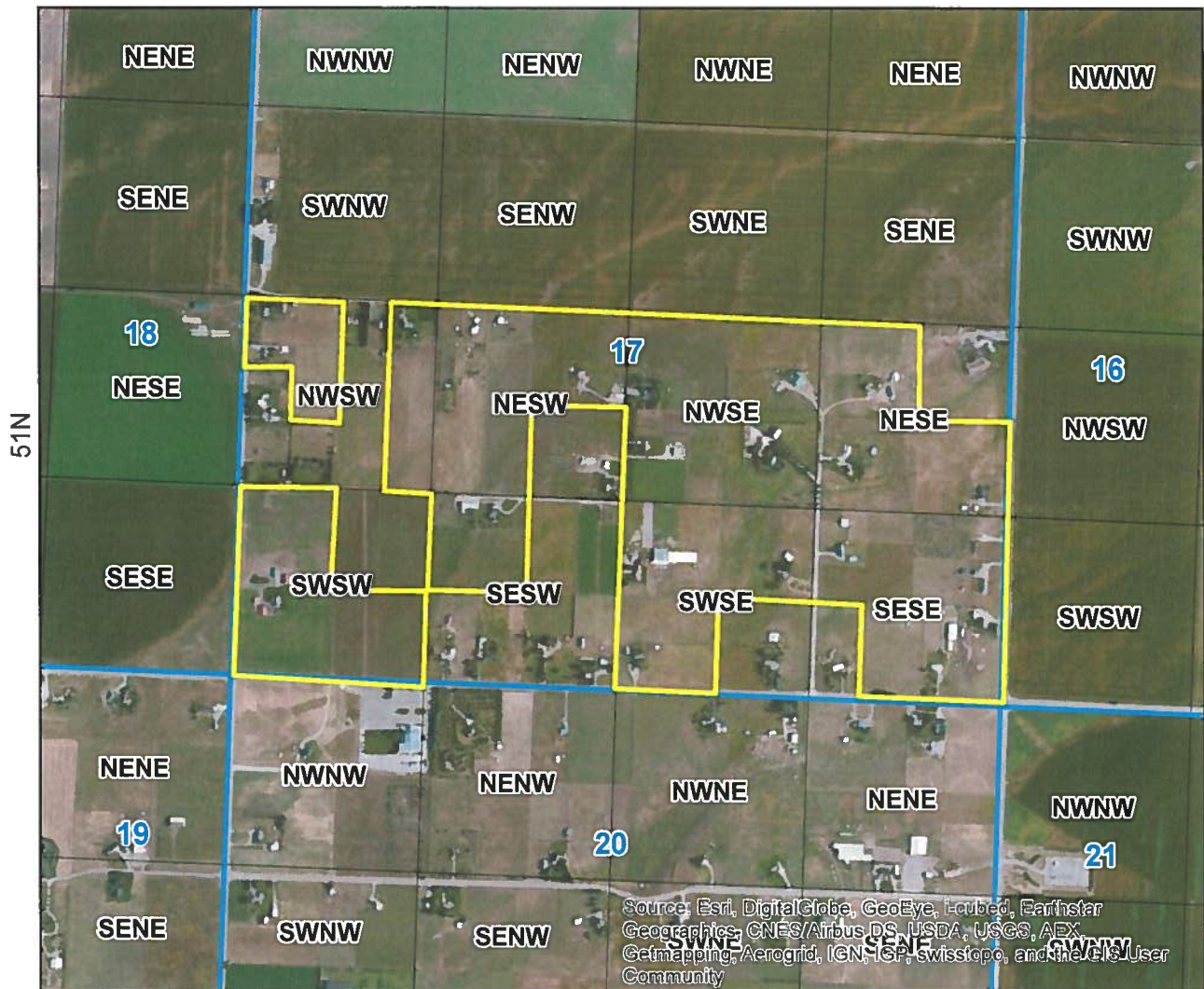
Reviewer E. J. [Signature] Date 1-22-2015

Happy Valley Water System Inc

Water Right License

95-13815

04W



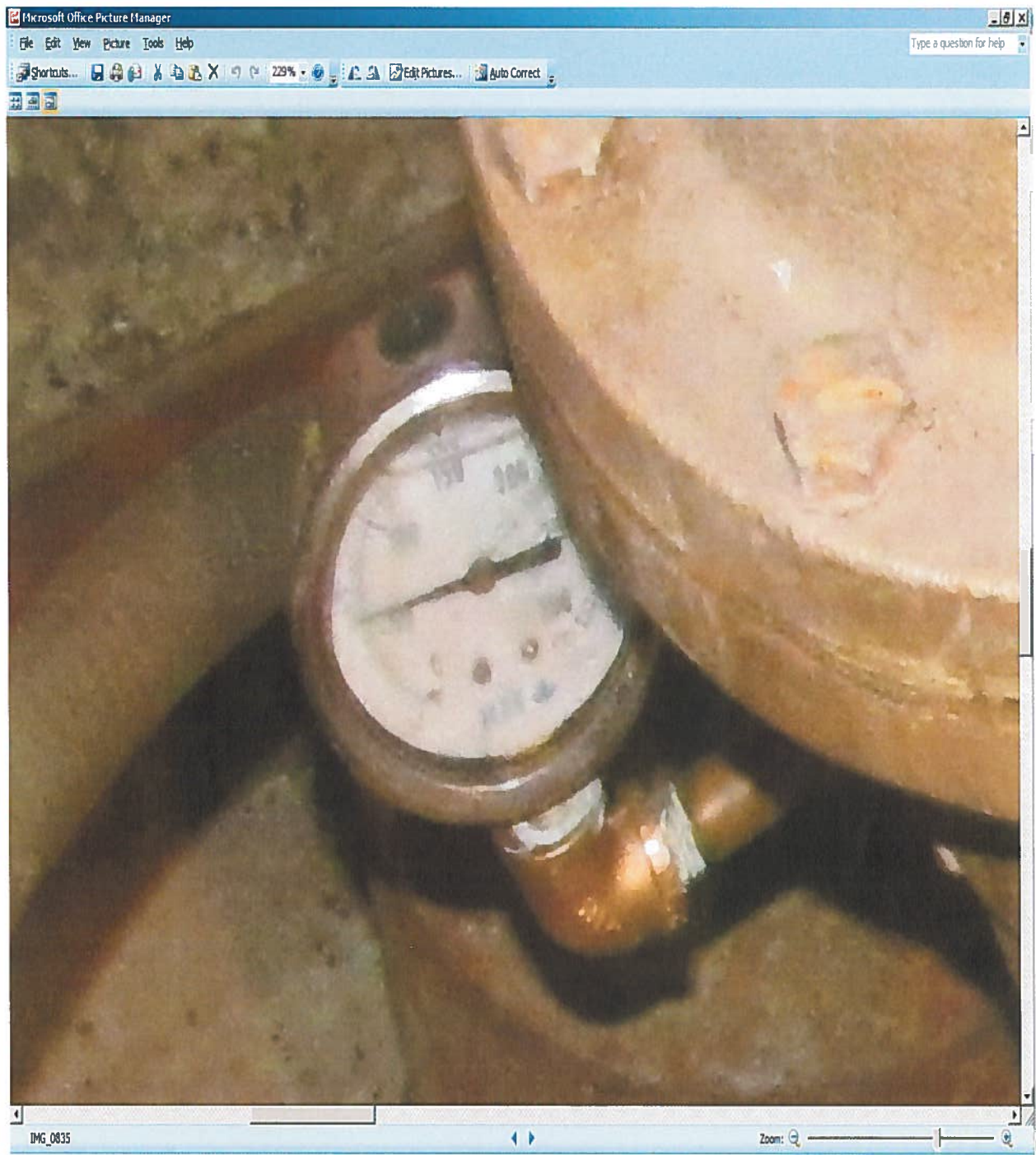
- Water Service Area Boundary
- Townships
- PLS Sections
- Quarter Quarters

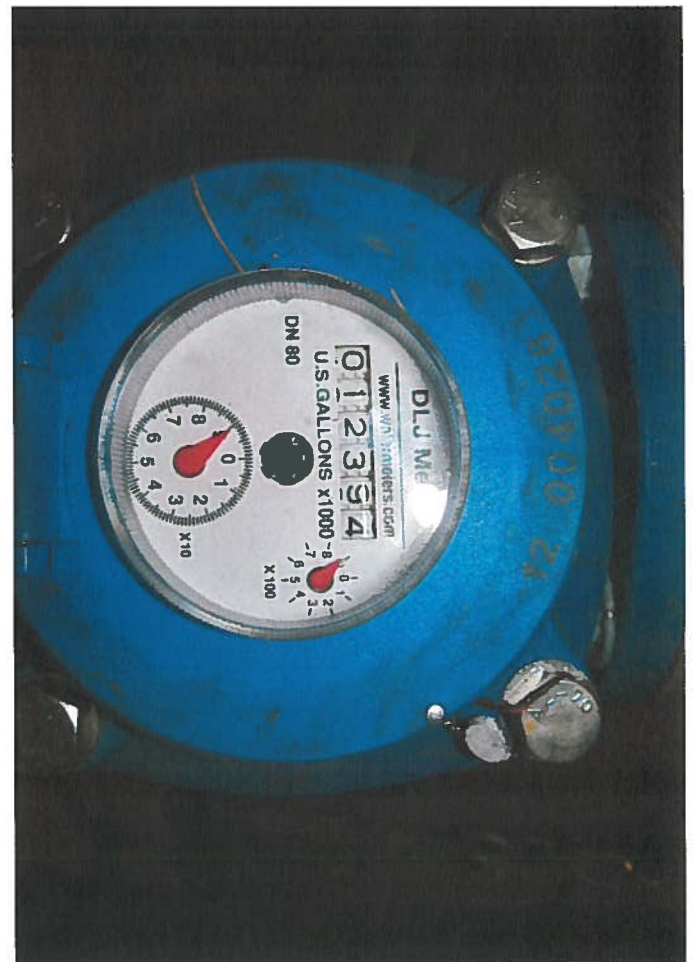
0 0.15 0.3 0.6 Miles



**95-
13815**

		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/ H	25	424.2109	0.8	297	55
Q =	0.416 cfs		186.5 gpm			





95-13815



95-12815



95-12815

HAPPY VALLEY WATER COMPANY

METER READINGS

FOR MONTH OF: July 2013

DATE READ: _____

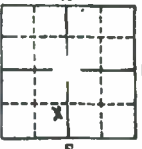
CUSTOMER ADDRESS	CUSTOMER NAME	Meter #	Current Month Meter Reading
9840 N Happy Trail Rd	Clark	94096462	
9983 N Happy Trail	Davis	94458556	
10035 N Happy Trail	Off HVWS	4	Off HVWS - DO NOT READ
10110 N Happy Trail	McKee	95481383	
10200 N Happy Trail	Easterly	94034507	
10225 N Happy Trail	Fitting	94093152	
9800 N Meyer Road	Eberle	11639698	
10304 N Meyer Road	Lenz	36905286	
10406 N Meyer Road	Gibson	94004728	
5850 W Emmanuel Ave	Kurtz	87340811	
5948 W Emmanuel Ave	Gordon	94194583	
6050 W Emmanuel Ave	Oleynik	3613600	
6202 W Emmanuel Ave	Off HVWS	10	Off HVWS - DO NOT READ
4941 W Hayden Ave	Balser	94093212	
5567 W Hayden Ave	Edmondson	81173116	
5891 W Hayden Ave	Duane Smith	19130890	
5967 W Hayden Ave	Ransier	94034508	
9827 N Memory Lane	Ruen	94093212	
9898 N Memory Lane	Tapplin	88746129	
10102 N Memory Lane	Arts	94096502	
10179 N Memory Lane	Hollingsworth	95814991	
10188 N Memory Lane	Mayer	96520526	
9843 N Huetter Road	Gaumont	94096505	
9961 N Huetter Road	Riggs	94093209	
10009 N Huetter Road	Jason Morgan	8982194	
10087 N Huetter Road	Keys	94093208	
PUMP HOUSE METER			NO METER

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

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.

95-13815

1. WELL OWNER Name <u>EMIL REAMY + MATT KING</u> Address <u>COEUR D'ALENE, IDA</u> Owner's Permit No. <u>95-79-N-74</u>		7. WATER LEVEL Static water level <u> </u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow <u> </u> Artesian closed-in pressure <u> </u> p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u> </u> °F. Quality <u> </u>																																																																							
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) <u>CAPED</u>		8. WELL TEST DATA ☐ Pump ☐ Baller ☐ Air ☐ Other <u> </u> Discharge G.P.M. <u>NONE</u> Pumping Level <u> </u> Hours Pumped <u> </u>																																																																							
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other <u> </u> (specify type)		9. LITHOLOGIC LOG <table border="1"> <thead> <tr> <th rowspan="2">Hole 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>8</td> <td>0</td> <td>3</td> <td>TOP SOIL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>3</td> <td>37</td> <td>CLAY + GRAVEL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>37</td> <td>54</td> <td>LARGE " "</td> <td></td> <td></td> </tr> <tr> <td></td> <td>54</td> <td>87</td> <td>CLAY + " "</td> <td></td> <td></td> </tr> <tr> <td></td> <td>87</td> <td>99</td> <td>BOULDERS</td> <td></td> <td></td> </tr> <tr> <td></td> <td>99</td> <td>114</td> <td>CLAY + GRAVEL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>114</td> <td>117</td> <td>BOULDERS</td> <td></td> <td></td> </tr> <tr> <td></td> <td>117</td> <td>129</td> <td>CLAY + GRAVEL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>129</td> <td>130</td> <td>" + " - LARGE GRAVEL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>130</td> <td>201</td> <td>" + PER GRAVEL</td> <td></td> <td></td> </tr> </tbody> </table> <u>PULLED RIG OFF</u> <u>DUE TO DISPUTE</u> <u>BETWEEN PARTNERS</u> <u>AND LACK OF PAYMENT</u> <u>OF MONEY AS</u> <u>AGREED IN CONTRACT</u>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	8	0	3	TOP SOIL				3	37	CLAY + GRAVEL				37	54	LARGE " "				54	87	CLAY + " "				87	99	BOULDERS				99	114	CLAY + GRAVEL				114	117	BOULDERS				117	129	CLAY + GRAVEL				129	130	" + " - LARGE GRAVEL				130	201	" + PER GRAVEL		
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other <u> </u>		10. Work started <u>11-1-79</u> finished <u>12-12-79</u>																																																																							
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other <u> </u> <table border="1"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>.250</u> inches</td> <td><u>8</u> inches</td> <td><u>1 1/2</u> feet</td> <td><u>164</u> feet</td> </tr> <tr> <td><u>.322</u> inches</td> <td><u>8</u> inches</td> <td><u>164</u> feet</td> <td><u>202</u> 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 <u> </u> inches by <u> </u> inches <table border="1"> <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> </u> Type <u> </u> Model No. <u> </u> Diameter <u> </u> Slot size <u> </u> Set from <u> </u> feet to <u> </u> feet Diameter <u> </u> Slot size <u> </u> Set from <u> </u> feet to <u> </u> feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel <u> </u> Placed from <u> </u> feet to <u> </u> feet Surface seal depth <u>20'</u> Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings Sealing procedure used: ☐ Slurry pit ☒ Tamp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent ☐ Weld ☐ Cemented between strata Describe access port <u> </u>		Thickness	Diameter	From	To	<u>.250</u> inches	<u>8</u> inches	<u>1 1/2</u> feet	<u>164</u> feet	<u>.322</u> inches	<u>8</u> inches	<u>164</u> feet	<u>202</u> feet	inches	inches	feet	feet	inches	inches	feet	feet	Number	From	To	perforations	feet	feet	perforations	feet	feet	perforations	feet	feet	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>BAIRD X</u> Firm No. <u>289</u> Address <u>RATHDRUM IDA</u> <u>12-12-79</u> Signed by (Firm Official) <u>Lundon London</u> and (Operator) <u>Lundon London</u>																																							
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name <u> </u> Lot No. <u> </u> Block No. <u> </u> County <u>KOOTENAI</u> <u>SE</u> 1/4 <u>SW</u> 1/4 Sec. <u>17</u> T. <u>51</u> N. 1/4 R. <u>4</u> W.		12. RECEIVED DEC 13 1979 Department of Water Resources Northern District Office																																																																							

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

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