

4/2014

IN-OFFICE BENEFICIAL USE EXAM REPORT

Permit No. 63-11944

Prepared by VICKY MUSIC

Date 8/21/2014

Same as permit Different than permit

Owner Name	☒	☐ _____
Owner Address	☒	☐ _____
Source	☒	☐ _____
Tributary	☒	☐ _____
POD	☒	☐ _____
POU	☒	☐ _____
Beneficial Use(s)	☒	☐ _____

Exam Fee Required for Permitted Rate \$50

Exam Fee Paid \$50

Overlaps	☐ No	☒ Yes, summarize <u>irrigation supplemental to wilder Irr</u>
Amendment	☒ No	☐ Yes, summarize _____

Technical Confirmation Tools

ArcMap	☒	GPS	☒
Taxlot	☒	Photos	☒
Well Log	☒	Diagrams	☒
Other	☒ explain: <u>field exam</u>		

Conditions/Comments see memo in file

Exam Date Entered ☒

Draft License Created ☒

Shapes Updated ☒

MEMORANDUM

TO: LICENSING FILE 63-11944
FROM: VICKY MUSIC
SUBJECT: FIELD EXAM AND LICENSING RECOMMENDATIONS
DATE: 8/26/2014
CC:

The permit was issued for 0.06 cfs for the irrigation of 2 acres from a well. The irrigation is supplemental to Wilder Irrigation District shares on the property. The correct fee was timely paid. This permit qualified for an in-house licensing review; however, because for a supplemental use, it is necessary to verify the supplemental system. I conducted a field exam for this purpose.

The field exam was conducted on 8/20/2014. Sidney Tucker, the permittee, accompanied me on the exam. The address of record is a PO Box. The physical address is 26271 Reed Ln, Homedale, ID 83676. Field photographs are included in this memo.

The point of diversion is a well. There is no tag on the well, but the well log is on field with IDWR. Per Mr. Tucker, the pump is a Grundfos 1.5 hp submersible set at 109 feet, SN 90112197. GPS coordinates are N 43.62068, W - 116.91712. There is 1 ¼ - inch buried pipe to risers in the field, in the yard, and north of the garage. From the risers, the yard is watered from a hose.

Water can also be diverted to a dirt ditch on the west side of the field for flood irrigation of the yard and part of the pasture south of the yard.

The irrigated place of use recommended for licensing is 1.5 acres. The diversion rate recommended for licensing is: $0.03 \text{ cfs per acre} \times 1.5 \text{ acres} = 0.45 = 0.05 \text{ cfs}$.

The volume recommended for licensing is 6.8 af, the lesser of the Vir and Vdr calculations provided here:

$\text{Vir} = 1.5 \text{ ac} \times 4.5 \text{ af per acre} = 6.75 \text{ af} = 6.8 \text{ af}$



The POD – a 6 " diameter well drilled in 1987. Fitted with a Grundfos 1.5 hp submersible pump.



The ditch along the west property boundary. One of the ways the POU is irrigated is water is diverted from the well to this ditch for irrigation of part of year and pasture.



From the well, looking east at the irrigated pasture.



Looking southeast at the irrigated pasture.



63-11944-- 2013 NAIP. POU outlined in red. POD and delivery system labeled.

SEP 20 1988

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.

PH

9

Department of Water Resources 1. WELL OWNER Name <u>SID TUCKER</u> Address <u>CANYON IDAHO</u> Owner's Permit No. <u>63-87-R-118</u>	7. WATER LEVEL Static water level <u>30</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 _____ °F. Quality <u>B.R.S.</u> <i>Describe artesian or temperature zones below</i>																																																										
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 ☒ Bailor ☐ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td align="center"><u>20</u></td> <td align="center"><u>60</u></td> <td align="center"><u>2</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>20</u>	<u>60</u>	<u>2</u>																																																				
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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 align="center"><u>6</u></td> <td align="center"><u>0</u></td> <td align="center"><u>3</u></td> <td><u>BROWN CLAY</u></td> <td align="center"></td> <td align="center"></td> </tr> <tr> <td></td> <td align="center"><u>3</u></td> <td align="center"><u>45</u></td> <td><u>GRAVEL & SAND</u></td> <td align="center"></td> <td align="center"></td> </tr> <tr> <td></td> <td align="center"><u>45</u></td> <td align="center"><u>50</u></td> <td><u>SANDY BLUE CLAY</u></td> <td align="center"></td> <td align="center"></td> </tr> <tr> <td></td> <td align="center"><u>50</u></td> <td align="center"><u>105</u></td> <td><u>BLUE CLAY</u></td> <td align="center"></td> <td align="center"></td> </tr> <tr> <td></td> <td align="center"><u>105</u></td> <td align="center"><u>110</u></td> <td><u>BLUE CLAY</u></td> <td align="center"></td> <td align="center"></td> </tr> <tr> <td></td> <td align="center"><u>110</u></td> <td align="center"><u>285</u></td> <td><u>BLUE CLAY</u></td> <td align="center"></td> <td align="center"></td> </tr> <tr> <td></td> <td align="center"><u>285</u></td> <td align="center"><u>290</u></td> <td><u>BLUE CLAY & GRAVEL</u></td> <td align="center"></td> <td align="center"></td> </tr> <tr> <td></td> <td align="center"><u>290</u></td> <td></td> <td><u>BLUE CLAY</u></td> <td align="center"></td> <td align="center"></td> </tr> </tbody> </table>	Bore Diam.	Depth		Material	Water		From	To	Yes	No	<u>6</u>	<u>0</u>	<u>3</u>	<u>BROWN CLAY</u>				<u>3</u>	<u>45</u>	<u>GRAVEL & SAND</u>				<u>45</u>	<u>50</u>	<u>SANDY BLUE CLAY</u>				<u>50</u>	<u>105</u>	<u>BLUE CLAY</u>				<u>105</u>	<u>110</u>	<u>BLUE CLAY</u>				<u>110</u>	<u>285</u>	<u>BLUE CLAY</u>				<u>285</u>	<u>290</u>	<u>BLUE CLAY & GRAVEL</u>				<u>290</u>		<u>BLUE CLAY</u>		
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____																																																											
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 align="center"><u>1250</u> inches</td> <td align="center"><u>6</u> inches</td> <td align="center"><u>1</u> foot</td> <td align="center"><u>57</u> feet</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </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> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ 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>18</u> Material used in seal: ☐ Cement grout ☐ Bentonite ☒ Puddling 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 _____	Thickness	Diameter	From	To	<u>1250</u> inches	<u>6</u> inches	<u>1</u> foot	<u>57</u> feet													Number	From	To																																				
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6. LOCATION OF WELL Sketch map location must agree with written location. Subdivision Name _____ Lot No. _____ Block No. _____ County <u>CANYON DE WILCOX</u> <u>NE 1/4 NE 10</u> Sec. <u>10</u>, T. <u>3</u> N., R. <u>5</u> W.	10. Work started <u>11-17-87</u> finished <u>11-20-87</u>																																																										
	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>KENNEDY METAL</u> Firm No. <u>93</u> Address <u>MOOREHEAD IDAHO</u> Date <u>12-15-87</u> Signed by (Firm Official) <u>Kennedy Metal</u> and (Operator) _____																																																										

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



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

July 30, 2014

SIDNEY OR BONITA TUCKER
PO BOX 96
HOMEDALE, ID 83628

Re Permit To Appropriate Water No. 63-11944

Dear SIDNEY OR BONITA TUCKER:

The permit referenced above was issued 0.06 cfs for the irrigation of 2 acres from a well. The irrigation is supplemental to Wilder Irrigation District surface water. This letter is to request that you call me to schedule the field exam for this permit. A field exam is required by Idaho law before a license can be issued, at which time it becomes a water right. The license is the end product needed for continued water use.

Additionally, please have available at the exam someone familiar with the system and its construction, and have available copies of the following information for my file:

- 1 – pump and motor specs; and,
- 2 – the depth at which the pump is set.

Please call me as soon as possible at 208.334.2190, to set an appointment for the exam. Failure to respond to this letter request **by August 29, 2014**, may result in the permit being voided or a license issued for less than the permitted amount. Thank you.

Sincerely,

Vicky Music
Sr. Water Resource Agent