

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 71-7104

Exam Date: 8/13/2013

1. Current Owner: CORP OF THE PRESIDING BISHOP
CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS
REAL ESTATE SERVICES DIV
50 E NORTH TEMPLE ST
SALT LAKE CITY UT 84150-6320
(801) 240-4657
2. Accompanied by: Jana Reeder (IDWR Agent)

3. SOURCE TRIBUTARY
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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SE1/4NW1/4

Sec. 19, Twp 07N, Rge 14E, B.M.

BLAINE County

Method of Determination: Field observation and GPS of Well head

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
07N	14E	19	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
				X	X					X									
					L 4														

Method of Determination: Field observations, and Aerial photography

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>
A0017289	N/A	4	N/A		

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

D. FLOW MEASUREMENTS

A measurement is not required for domestic use if diversion rate does not exceed 0.24 cfs according to new Beneficial Use Examination Rules dated 3/29/2012

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method:

Measured Method: Theoretical yield:

$$Q = \frac{8.8 \times (Hp) \times (Eff)}{H}$$

Where: Hp = 4 Hp pump (per Applicant/Contact Nathan Bingham)

Eff = efficiency = 70% assumed

H = total head = pumping level + (2.31 x system pressure)

assume pumping level of 150 feet (per Well Driller's Report)

assume system pressure = 40 psi (per Applicant/Contact – Nathan Bingham)

$$H = 150 + (40 \times 2.31) = 242.4$$

$$Q = \frac{8.8 \times 4 \times .70}{242.4} = 0.10165 = 0.10 \text{ cfs}$$

Theoretical yield calculation indicates the well is capable of pumping 0.10 cfs

Recommend 0.10 cfs for this license**F. VOLUME CALCULATIONS**Season of use is May 1st to September 30th equals 153 total days of use

Average daily use of 100 people per day for 7 days 10 times a season equals 70 days

100 people x 50 gpd x 70 days = 350,000 gallons.

Maximum daily use of 250 people per day for 7 days 12 times a season equals approximately 83 days

250 people x 50 gpd x 83 days = 1,037,500 gallons**Total gallons 1,387,500 ÷ 325,850 gallons per AF = 4.258 AF or 4.3 AF**

*50 gpd/person used from the Field Examiners Handbook, Non-Irrigation Water Requirements.

Recommend 4.3 AF

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 71-7104 was filed on December 15, 1986 by Smoky Camp and Lodge. Permit 71-7104 is for the diversion of 0.36 cfs of groundwater for domestic use associated with a church organization. On February 4, 1987 permit 71-7104 was issued to Smoky Camp and Lodge. Proof of Beneficial Use was due on or before March 1, 1989. A Request for Extension of Time was received February 9, 1990 by Smoky Camp and Lodge. The due date for Proof of Beneficial Use was extended to March 1, 1990. The permit lapsed on March 29, 1990. On November 15, 1990 evidence of beneficial use was submitted and the permit was reinstated on March 12, 1991. The priority date of this permit was advanced to November 15, 1990. In addition an Assignment of Permit was filed by E. Keith Farnsworth for permit 71-7104 to the Corporation of the Presiding Bishop Church of Jesus Christ of Latter Day Saints on November 15, 1990.

On August 13, 2013 Jana Reeder and I visited the property. We took photographs of the various cabins, lodge and kitchen, the shower and restroom facilities and GPS'd the well head. The camp currently has 10 cabins primarily used for lodging, and a care takers cabin with a kitchen and a bathroom. The lodge and kitchen facility has three sinks and a small hot water heater. In addition there is a cabin that contains a laundry room and bathroom, an 80 gallon storage tank and hot water heater. There is a large cabin that is the main bathroom and shower facility for the camp, with 2 sinks, 2 showers and 3 stalls in each of the men's and women's area.

After a number of attempts, on September 16, 2013 I reached a representative for the church camp Nathan Bingham to discuss the camp's use and the number of visitors during the year. The camp is used during the months of 5/01 thru 9/30. According to Mr. Bingham the camp is used for various types of groups from family vacations/reunions, girls and boys camps, scout camps and events, and adult retreats and other activities organized through the church. He indicated the camp averages approximately 100 people a night per week for 10 weeks and the maximum people is approximately 250 a night per week for 12 weeks during the season of use.

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>
DOMESTIC	05/01 to 09/30	0.10 CFS	4.3 AF
Totals:			0.10 CFS 4.3 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 Benny Walker Date 6/30/14
 Reviewer [Signature] Date 7/15/14

NENW

NWNE

Place of Use

Point of Diversion

19

07N14E

SESW

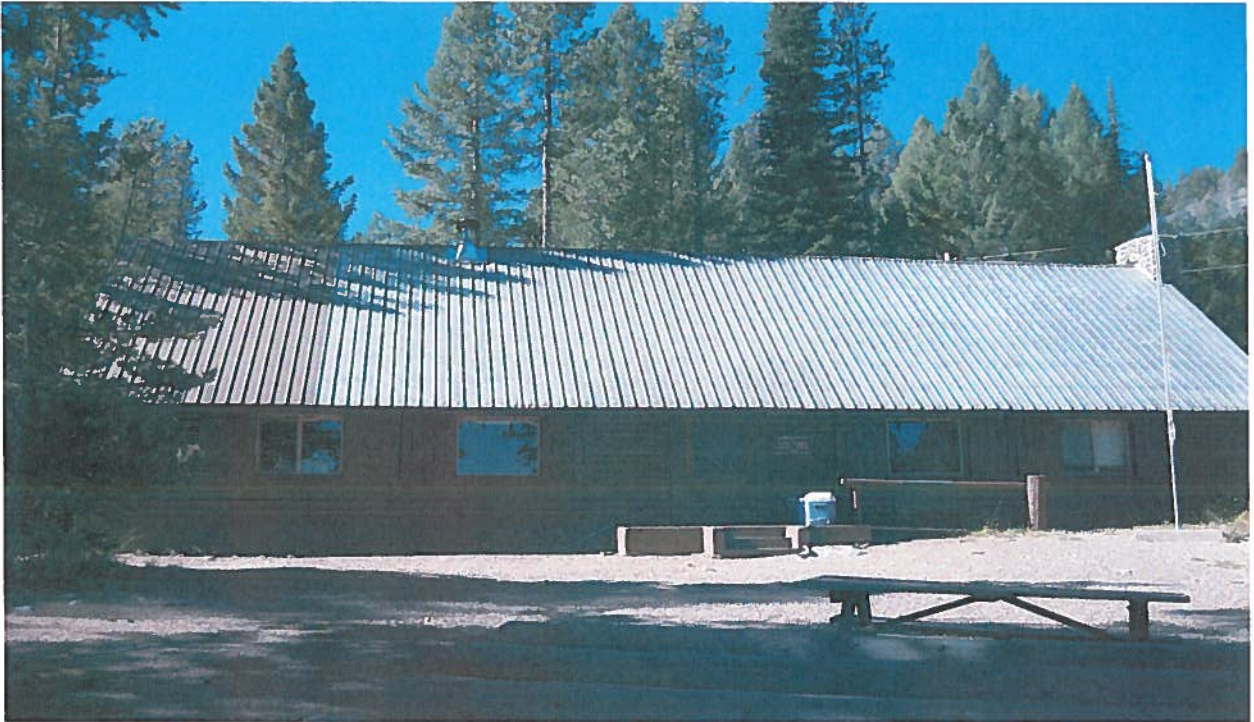
SWNE 4

NESW 6

SESW 6

NWSE 5

Permit 71-7104



**Lodge
and
Kitchen facility**



Permit 71-7104



Above: Lodge's Dining Room

Below: Caretaker's Cabin



Permit 71-7104



Various Cabins



Permit 71-7104



Above: Cabin's Accommodation

Below: Well Head



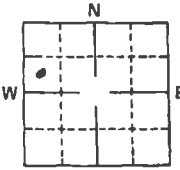
Permit 71-7104



Shower's and Restroom facility



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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>Spokane Hodge Organization Camp</u> Address <u>Alturas Lake</u> <u>Box 356 Rt. 1 Hagerman Ida.</u> Owner's Permit No. _____		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 _____ of. Quality <u>Good</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 ☐ Bailer ☒ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>22</u></td><td><u>150</u></td><td><u>1</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>22</u>	<u>150</u>	<u>1</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"><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>8</td><td>0</td><td>4</td><td>Top soil</td><td></td><td></td></tr><tr><td>8</td><td>4</td><td>20</td><td>3-4" rock, boulders,</td><td></td><td></td></tr><tr><td>6</td><td>20</td><td>40</td><td> </td><td></td><td></td></tr><tr><td>6</td><td>40</td><td>100</td><td> </td><td></td><td></td></tr><tr><td>6</td><td>100</td><td>140</td><td>"</td><td></td><td></td></tr><tr><td>6</td><td>140</td><td>180</td><td>"</td><td></td><td></td></tr><tr><td>6</td><td>180</td><td>200</td><td>Limestone</td><td></td><td></td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	8	0	4	Top soil			8	4	20	3-4" rock, boulders,			6	20	40				6	40	100				6	100	140	"			6	140	180	"			6	180	200	Limestone		
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4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		RECEIVED JUL 22 1987 Department of Water Resources RECEIVED JUL 9 1987 Department of Water Resources Southern Region Office																																																					
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <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>6</u> inches</td><td><u>1</u> feet</td><td><u>40</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"><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>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 _____				Thickness	Diameter	From	To	<u>.250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>40</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>Blaine</u> <u>S.W. 1/4 NW 1/4 Sec. 19, T. 7 N, R. 14 E.</u>																																																							
10. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>WOOD RIVER DRILLING AND PUMP</u> <u>BOX 1165 788</u> <u>HAILEY, IDAHO</u> Date <u>6-20-87</u> Signed by (Firm Official) <u>Ken Smith</u> and (Operator) <u>Gay Jones</u>																																																							