

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 79-7269

Exam Date: 9/19/2007

1. Current Owner: TOM LINDSEY
PO BOX 355
LUCILE ID 83542
(208)628-3987

And/Or

SUSAN LINDSEY
PO BOX 355
LUCILE ID 83542
(208)628-3987

2. Accompanied by: Tom LindseyPhone No: Same as AboveAddress: Same as AboveRelationship to Permit Holder: Owner3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW1. Other water rights with the same place of use: 79-14028, 79-7137, and 79-71942. Other water rights with the same point of diversion: NONE**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

L5 SW1/4NW1/4

Sec. 2, Twp 25N, Rge 01E, B.M.

IDAHO County

Method of Determination: Visual Inspection and use of Aerial Photography.

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
25N	01E	2																	
									X										
									L 5										

Method of Determination: Visual Inspection and use of Aerial Photography.

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/pipe i.d. as applicable.

SEE ATTACHED SHEET.

YES Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

YES Aerial Photo Attached (required for irrigation of 10+ acres).

YES Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
POINT OF DIVERSION	Franklin	2 Hp	2823018110	Unknown	1 1/4 inch discharge pipe

*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>
N/A						

2. Measurements:

It was not possible to run the well at the time of the exam. A theoretical calculation was used to determine the rate of flow.

E. FLOW CALCULATIONS

X Additional Computation Sheets Attached

Measured Method:

I am recommending the permitted amount for domestic use of 0.04 cfs. See theoretical sheet for calculations.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

Use standard volume allotment for in-house use and yard irrigation of 1.2 afy.

G. NARRATIVE/REMARKS/COMMENTS

The water for this permit is diverted from a well located just east of the home (approximately 50 to 75 feet). The water from the well is used for inside use and yard irrigation. The well has a 2 Hp pump and is connected directly to the home. The commercial use from this well has never been developed, and this stated in the proof of beneficial use form. Therefore, only a domestic use for a single family home and yard will be recommended for this permit

There are 3 water rights, 79-14082, 79-7137, and 79-7194 that all supply water to this domestic home. All three water rights are from different sources, so there is no reason for not allowing this right to proceed with licensing. However, I would include a condition that when all these sources are combined, the total use of water is limited to a single domestic use with ½ acre of yard irrigation, not to exceed 13,000 gallons per day.

The conditions of this permit have not been fully met. The well does not comply with well construction standards (it is not 12 inches above ground), but Rob Whitney is following up on this issue. The commercial use for this well was not developed, so all conditions regarding a public drinking supply and water quality standards should be disregarded. The final condition of concern has to do with the hydraulic connection between the well and a Bureau of Land Management (BLM) mineshaft diversion. Our office has received no reports from the BLM concerning this issue, so I am assuming that the BLM has not been harmed by this diversion since it was developed in 2000. I feel we can proceed with licensing on all accounts except for the well construction standards, I feel the licensing of this permit should be held until the well has been properly constructed. A letter has been sent to Mr. Lindsey concerning this issue.

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	01/01 to 12/31	0.040 CFS	1.20 AF
<u>Totals:</u>		0.040 CFS	1.20 AF

2. Recommended Amendments

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

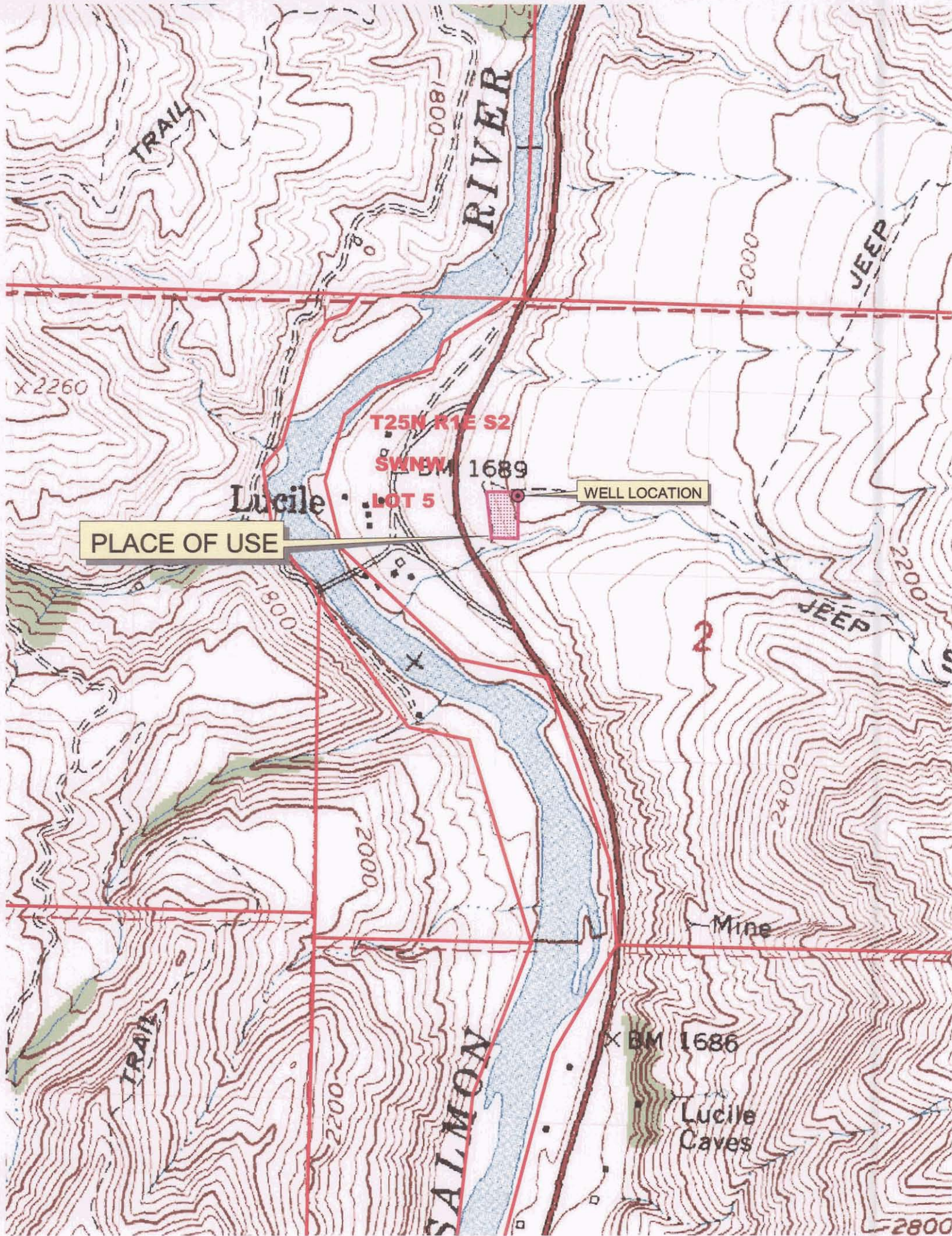
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

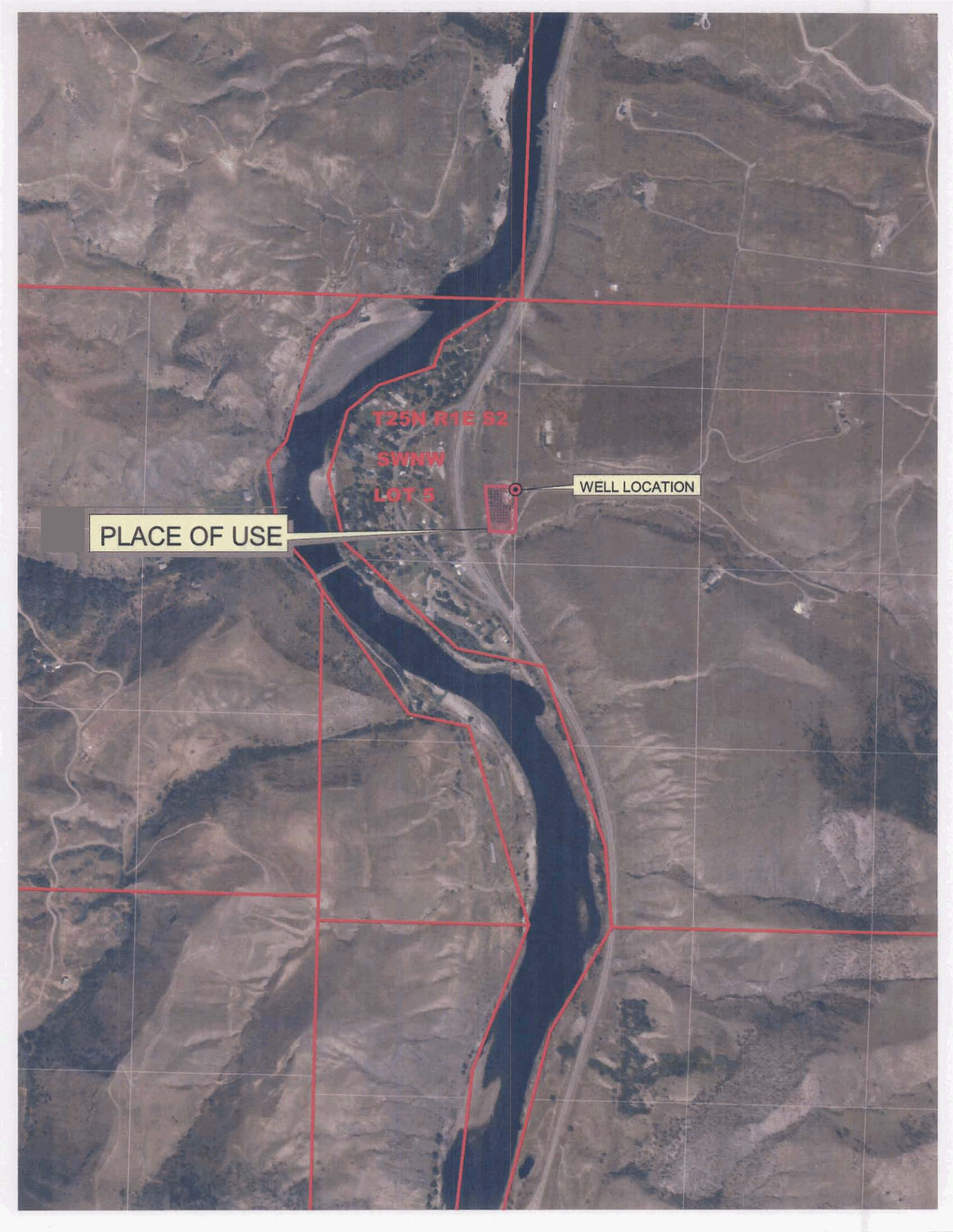
I. AUTHENTICATION

DANIEL A. NELSON – SENIOR AGENT

Field Examiner's Name Daniel A. Nelson Date 10-1-07

Reviewer _____ Date _____ SEAL





PLACE OF USE

T25N R1E S2
SWNW
LOT 5

WELL LOCATION

GROUNDWATER THEORETICAL ANALYSIS

Lindsey
Well

FILE: 79-7269

DATE: 9-19-2007

BY: Daniel A. Nelson

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (\text{HP}) \times (\text{EFF.}))}{\text{TDH}}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

Q = $\frac{(8.8) \times (2 \text{ HP}) \times (0.70)}{140.9} = 0.09 \text{ CFS}$

$[(48.5) + (40 \times 2.31)] = 140.9$ 39 gpm

LIFT FROM:

Measurement ()

Owner ()

Area estimate ()

Well Logs (X)

PSI FROM:

Measurement ()

Owner ()

Estimate (X)

Owner Gage ()

Booster (Y) (N)

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

REMARKS: LIFT was calculated FROM The well Log by subtracting the total well depth static water level FROM the total well depth and dividing that number by 2, then adding that number ONTO the static water level to attain an estimated pumping level. $[(66 \text{ total well depth}) - (31 \text{ feet static water level})] / 2 = 17.5 \text{ FT.}$ $- 17.5 \text{ FT} + 31 \text{ feet} = 48.5 \text{ feet estimated lift.}$ I used an average pressure of 40 psi for the estimated pressure.

This gives a well capacity of 39 gpm, owner stated it was a 32 gpm pump. The permit is for 0.04 CFS for domestic use. (no commercial use). Therefore, I am recommending the permitted amount of 0.04 CFS.

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: 79-93-W-0004-000 OTHER APPLICABLE NO: 79-7269
2. OWNER: Tom Lindsey Phone: (208) 638-3987
Address: P.O. Box 355, Lucile, ID 83542
6007 LOT 5
3. WELL LOCATION: Twp 25N, Rge. 1E, Sec. 2, SW 1/4 NW 1/4
County IDAHO (Provide sketch map and photo on reverse.)
4. DRILLER: UNLEN KOTT DRILLING Lic. No. 125
When Drilled? 3-19-93
5. WELL CONSTRUCTION:
Casing Diameter 6 inches Water tight cap? ☒ Yes ☐ No Access Port: ☐ Yes ☒ No
Casing $\geq$ 12 inches above ground? ☐ Yes ☒ No - Describe Flat with Ground Level
Depth of Casing _____ ft. Method Drilled _____
Condition of Well Casing: ☐ Good ☐ Fair ☐ Poor Describe UNKNOWN Buried
Control Valve? ☐ Yes ☐ No UNKNOWN Pressure Gauge: ☐ Yes ☒ No UNK
Condition of Piping and Valving UNKNOWN
Auger to a depth of ~0 ft. Evidence of Annular Seal ☐ Yes ☒ No
Are there obvious construction problems that may be a source for contamination or waste of water?
☒ Yes ☐ No (Describe in Remarks and Attach Photo - On Reverse)
6. HYDROLOGIC INFORMATION:
Depth to Static Water UNKNOWN ft. Water Temperature UNKNOWN °F
Flowing Artesian ☐ Yes ☒ No Pressure: UNKNOWN (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____
7. WELL USE:
☒ Domestic ☐ Irrigation ☐ Stock
☐ Test ☐ Municipal ☐ Industrial
☐ Abandoned ☐ Waste Disposal/Injection ☐ Not Used
☐ Other: _____

8. POSSIBLE CONTAMINATION SOURCES:

Is there evidence of Chemigation? ☐ Yes ☒ No

If yes, is there a check-valve present? ☐ Yes ☒ No

Is there a possible source of contamination nearby? ☒ Yes ☐ No

If yes, what Type? The well is level with land surface

How far away from the well is this source? It appears as though
mine tailings are piled around
well head.

9. REMARKS:

This well is owned by a miner, who
appears to have piled mine
tailings around his well head.
The well head is now at ground
level.

Daniel A. Nelson - Senior Water Right Agent
Signature of Dept. Representative & Title

9-19-07
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

See attached.

Memorandum

To: Steve Lester/Gary Spackman
CC: Rob Whitney
From: Cindy Bird *CB*
Date: May 20, 1999
Re: 79-07194

Beneficial Use of Mining

11 August 1998, I met with Tom Lindsey at approximately 14:30 (Mountain Time) to discuss the beneficial use of the mining portion of permit 79-07194. Tom stated, in 1993 they did some work on the tunnel but have never used to water for mining. Therefore, I recommend disallowing the mining diversion for permit 79-07194.

The original system that Tom had in the tunnel at the time of the field examination has changed. Originally he had 2-1/2 HP pumps in the tunnel. He now has 1-1/2 HP and 1-1/3 HP pump in the tunnel and a 1/3 HP pump in the 200-foot tie-in to the original tunnel. The system still flows to the 3800 gallon holding tank that he uses for his domestic use.

During my visit with Tom Lindsey, he informed me that he had requested from Gary Spackman a visit from the department to investigate the impact on his well from a new subdivision. The new subdivision is located northeast of him on a bluff. I was unaware of the complaint to Gary at the time of my visit, but inquired to the nature of the impact.

Tom stated that his well was now at 80 feet. Since my original visit to Tom Lindsey was regarding permit 79-07194, which also included the data regarding the well. I was able to locate the well log in the file while I continued questioning Tom on the specifics of the well. The conversation was as follows.

Cindy: "The static level of your well is at 80 feet?"

Tom: "Yes"

Cindy: "How deep is your well?"

Tom: "It was drilled to 300 feet."

Cindy: "Where is the pump located?"

Lindsey
May 20, 1999

Tom: " At 260 feet."

Cindy: "I'm looking at the well log and it says that the static level is 31 feet, and the depth of the well is only 66 feet. Did you drill another well?"

Tom: " No"

Cindy: Did you deepen this well?

Tom: "No."

Cindy: "Tom, you're telling me that your well is 300 feet deep?"

Tom: "Yes"

Cindy: "The well log says that it's only 66 feet. Why is the well log incorrect?"

Tom: "Well I told the driller, that you pointy headed bureaucrats don't need to know what I'm doing because it is none of your business. In fact, my fathers name is on the well log because he paid for drilling the well".

Cindy: "Tom I would be hard pressed to believe that your static level has gone from 31 feet to 80 feet. What was your original static level?"

Tom: "I don't know. I only know that it's at 80 feet now."

Cindy: "Tom, then how do you know that the level has changed?"

Tom: "Because I can only run 5 sprinklers now and before I could run 8 sprinklers."

Cindy: "Tom, it doesn't look good for you to have a bogus well log filled with the state, do you understand what I'm saying Tom?"

Tom: "Yes, I know what your saying."

Cindy, " Good, because it makes it hard for us pointy headed bureaucrats to help you prove that your being injured."

Tom: "Yes, I know what your saying."

Cindy: "Tom, I will forward this information to my supervisor and they will determine what to do with it."

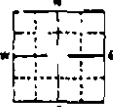
RECEIVED

APR - 2 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

USE 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>Thomas J Lindsey</u> Address <u>P.O. Box Lucille ID 83542</u> Drilling Permit No. <u>79-73-W-0004-000</u> Water Right Permit No. _____		7. WATER LEVEL Static water level <u>31</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 <u>45</u> °F. Quality <u>Good</u> Describe artesian or temperature zones below.																																			
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Modification ☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)		8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ 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>30</u></td><td></td><td><u>1.00</u></td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	<u>30</u>		<u>1.00</u>																												
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Monitor ☐ 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><u>7</u></td><td><u>0</u></td><td><u>18</u></td><td><u>Compressed boulders</u></td><td></td><td><u>X</u></td></tr><tr><td><u>6</u></td><td><u>18</u></td><td><u>45</u></td><td><u>Smaller boulders & gravel</u></td><td></td><td><u>X</u></td></tr><tr><td><u>6</u></td><td><u>45</u></td><td><u>55</u></td><td><u>Gravel</u></td><td></td><td><u>X</u></td></tr><tr><td><u>6</u></td><td><u>55</u></td><td><u>66</u></td><td><u>Schist (Red Rock)</u></td><td></td><td></td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	<u>7</u>	<u>0</u>	<u>18</u>	<u>Compressed boulders</u>		<u>X</u>	<u>6</u>	<u>18</u>	<u>45</u>	<u>Smaller boulders & gravel</u>		<u>X</u>	<u>6</u>	<u>45</u>	<u>55</u>	<u>Gravel</u>		<u>X</u>	<u>6</u>	<u>55</u>	<u>66</u>	<u>Schist (Red Rock)</u>		
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4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary ☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)		10. Work started <u>3-18-93</u> finished <u>3-19-93</u>																																			
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>2.50</u> inches</td><td><u>6</u> inches</td><td><u>2</u> feet</td><td><u>50</u> 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 ☐ Gun 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></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer _____ Type _____ Top Packer or Headpipe _____ Bottom of Tailpipe _____ 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>12</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>Top of casing</u>		Thickness	Diameter	From	To	<u>2.50</u> inches	<u>6</u> inches	<u>2</u> feet	<u>50</u> feet	Number	From	To	_____	_____	_____	11. DRILLER'S CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Blackwell Drilling Firm</u> Firm No. <u>126</u> Address <u>11000 N. 10th St.</u> Date <u>3-21-93</u> Signed by Drilling Supervisor <u>Ray E. Ehlert</u> and (Operator) <u>Jim J. Blackwell</u> (If different than the Drilling Supervisor)																					
Thickness	Diameter	From	To																																		
<u>2.50</u> inches	<u>6</u> inches	<u>2</u> feet	<u>50</u> feet																																		
Number	From	To																																			
_____	_____	_____																																			
6. LOCATION OF WELL - NW CORNER OF PROPERTY Sketch map location must agree with written location.  Subdivision Name <u>West</u> <u>Katie A. Plummer Claim</u> Lot No. <u>7</u> Block No. _____ County <u>IDAHO</u> N ☒ S ☐ E ☒ W ☐ T. <u>25</u> S. <u>4</u> E. <u>1</u> W. <u>0</u>																																					

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

WELL DRILLER'S REPORT

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

1. WELL OWNER

Name George Calvin
Address Box 34 Lucile, IDA.
Owner's Permit No. _____

7. WATER LEVEL

Static water level 160' feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow 12
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>12</u>	<u>Air Pumped</u>	<u>2 Hrs.</u>

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

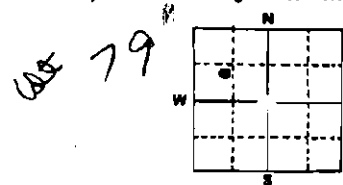
Diameter of hole 6" inches Total depth 260' feet
Casing schedule: ☒ Steel ☐ Concrete
Thickness 250 inches Diameter 6" inches From 1 feet To 81 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feetWas a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ NoManufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feetGravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feetSurface seal? ☒ Yes ☐ No To what depth 81 feet
Material used in seal ☐ Cement grout ☒ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.

County IdahoSW ¼ NW ¼ Sec. 2 T. 25 N. R. 1 E.

10.

Work started June 28/72 finished June 28/72

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Leach Well Drilling 99
Driller's or Firm's Name Number
Box 88 Kamiah, IDA.
Address
Nathaniel L. Leach June 30/72
Signed By Date

PHOTOGRAPHER AND DATE OF PHOTOS DANIEL A NELSON 9/19/2007

FILE NUMBER 79-7269



The photo above shows the well head for this permit. As you can see the owner has filled in dirt around the well head, so it is no longer 12 inches above ground. This well has been brought to the attention of our well drilling staff in 1999, and this report will be forwarded to them as well.

The photo below shows the home and place of use. The well is just on the photographer's side of the 4 wheeler in the picture.

