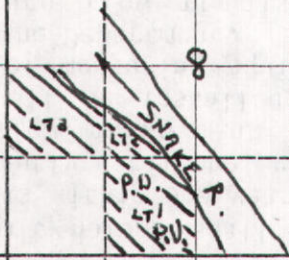


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

R 3 W



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Gay L. Schumison
(Applicant)

MICROFILMED

The Owyhee Avalanche

P.O. BOX 97

HOMEDALE, IDAHO 83628

208/337-4681

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
)ss.
 COUNTY OF OWYHEE)

I, Joe E Aman, being first duly sworn, depose and say:

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was and now am over the age of twenty-one years, not a party to nor interested in the proceedings hereinafter mentioned.

2. That during the time of the publication of the notice hereinafter mentioned, I was and now am the publisher of **The Owyhee Avalanche**, a newspaper of general circulation printed and published weekly, Wednesday of each and every week, in the City of Homedale and County of Owyhee and State of Idaho.

3. That the said **The Owyhee Avalanche**, a continuation of the Owyhee Chronicle and the Owyhee Nugget, has been printed and published continuously and uninterruptedly in said County during a period of seventy-eight weeks prior to the first publication of the attached notice.

4. That said notice of which a printed copy, taken from said newspaper, is hereto affixed, was published in the regular issue thereof, and not in a supplement thereto, in said newspaper, in two (2) (consecutive) calendar weekly issue(s) of said newspaper, in the following date(s):

..... MAY 1, 1985

..... May 8, 1985

..... May 15, 1985

.....

.....

.....

.....

.....

(Signed)..... Joe E Aman

Subscribed and sworn to before me this 15th day of May
 A.D., 1985.

..... Clara E. Brannen

Notary Public in and for the State of Idaho,
 residing at Homedale, Idaho.

My commission expires March 26, 1988

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho.

57-7445 ✓ *JP*

SCHWISOW, GARY L. &/or
 TERESA A.

STAR RT. BOX 106-C, MELBA, ID
 83641

Source: GROUNDWATER

Date Filed: 04/29/1985

Diversion Pt. LOT 01 (SESW) Sec 08
 T 01N R 03W

Use: COMMERCIAL (0.90 CFS)

In: LOT 02 (NESW) LOT 03 (NWSW)

LOT 01 (SESW) Sec 08 T 01N R 03W

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 27, 1985.

Ken Dunn, Dir.

Publish 5/8 & 5/15/85 2t

MICROFILMED

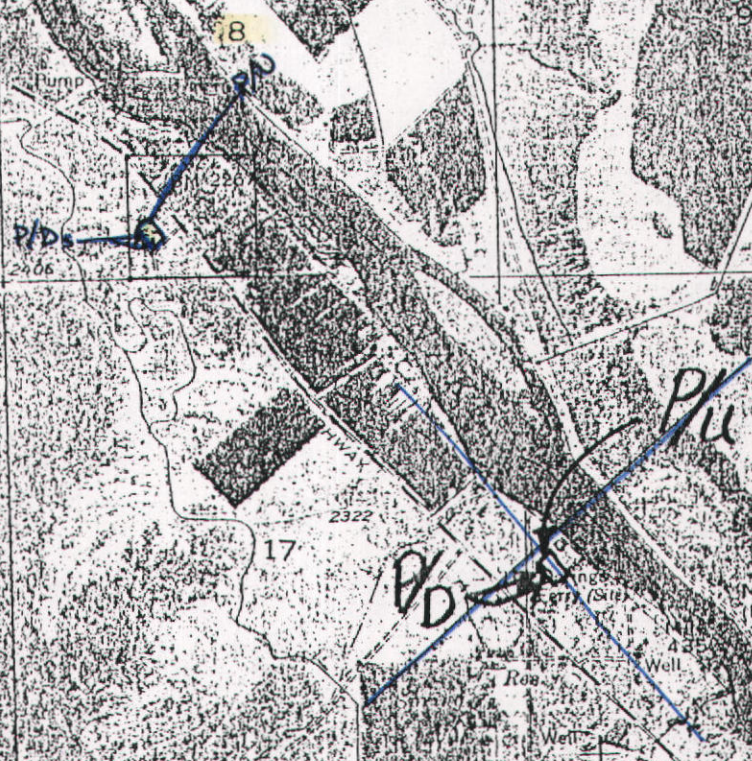
RECEIVED

MAY 17 1985

Department of Water Resources
 Western Regional Office

WALDWELL 24 MI
58 MI. TO IDAHO 55
09
07
05

PERMIT 57-7445 INIT KKC
T. R. S. Q/Q
P/D IN 3W 8 SE/SW
SCALE
PHOTO ID. 4-5 GEVENS-HOTSPRINGS

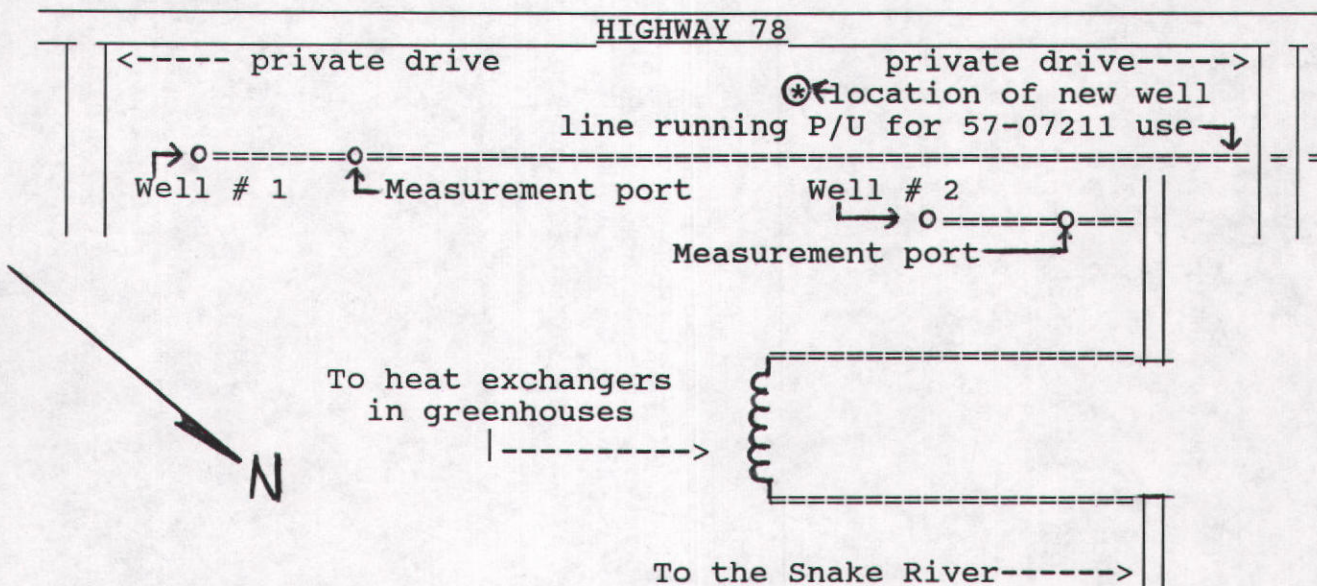


MICROFILMED
JUL 29 1992

Corrected Map per legals & telecon
confirmation with Ben Howerton
who was familiar with this exam
per field examiner. 08 6-29-92

D. SYSTEM DESCRIPTION (General system description)

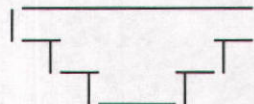
1. Diagram found on;



2. Narrative

The system is two wells plumbed together to deliver water to the greenhouses. The water is used to heat the greenhouses and a shop and to water the plants. Normal use is for the water to circulate through the heat exchangers and then be used for plant water with the excess water being discharged into the Snake River. Use is year round. The place of use consists of; 3 greenhouses 30'x 124', 1 at 30'x 145', 2 at 30'x 136', 1 at 16'x 32', and one covering 33,840 sq ft.

the shape is



The mainline continues northwest across a private drive where it supplies water for domestic, heating and irrigation. These uses are licensed under 57-07211.

A new well is under construction just west of well # 2 and it is planned to be tied into this system.

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JUL 29 1992



PERMIT 57-7445 INIT KKC
T. R. S. Q/Q
P/D IN 3W 8 SE/SW
SCALE
PHOTO ID. 4-5 GEVENS-HOTSPRINGS

MICROFILMED
JUL 29 1982

c. 18

160

TH

20.00

80.98

160

NORTH 55.60

EAST

40

45.40

2

15.25

47.50

40.00

160

Sec. 17

160

160

80

Sec. 16

80.00

N 89° 58' W

640

Sec. 9

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JUL 29 1992

80.00

WEST

160

160

75.70

S 0° 07' E

N. 55.60
S. 0° 07' E.

160

Sec. 8

40.20

40

36.00

5

80

07' E

3

28.20

SNAKE

40

40

WEST

38.50

5

12.20

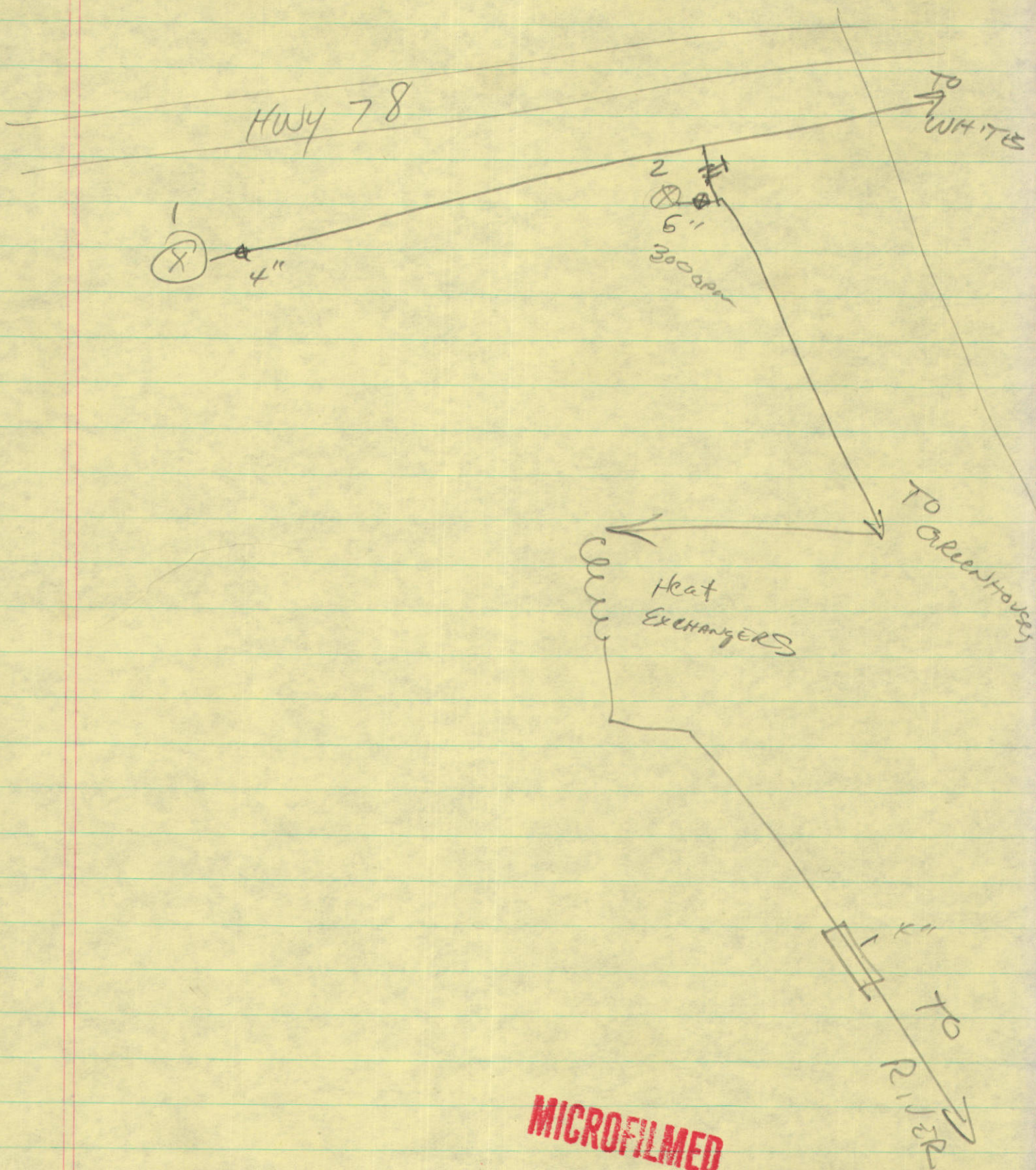
3200

3500

80

c. 7

5.80



MICROFILMED
JUL 29 1992

Permit # 57-07445

PHOTO # 1

This picture shows P/D # 2. The majority of the mud around the well is from the new well being drilled. There is an opening in the casing where the electrical cable enters the casing which is leaking. This picture is looking east.



LEAK



PHOTO # 2

This picture is also of P/D # 2 and was taken to show the relationship with the new well being drilled. The picture is looking south.

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JUL 29 1992

Permit # 57-07445

PHOTO # 3

This picture shows the valve used to isolate the two wells. The measurement location for P/D # 2 was in the hole just beyond the shovel. Note the breaker box in the upper left corner of the picture. That is the same breaker box beside the shovel in pictures one and two.



PHOTO # 4

This photo shows the discharge point into the Snake River. The pipe is in the shadow and is not visible. The Snake River is just to the left of this picture.



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JUL 29 1992

Proposed L.T. Geothermal Well
Wellbore Schematic

Owner: Gary Schwisow

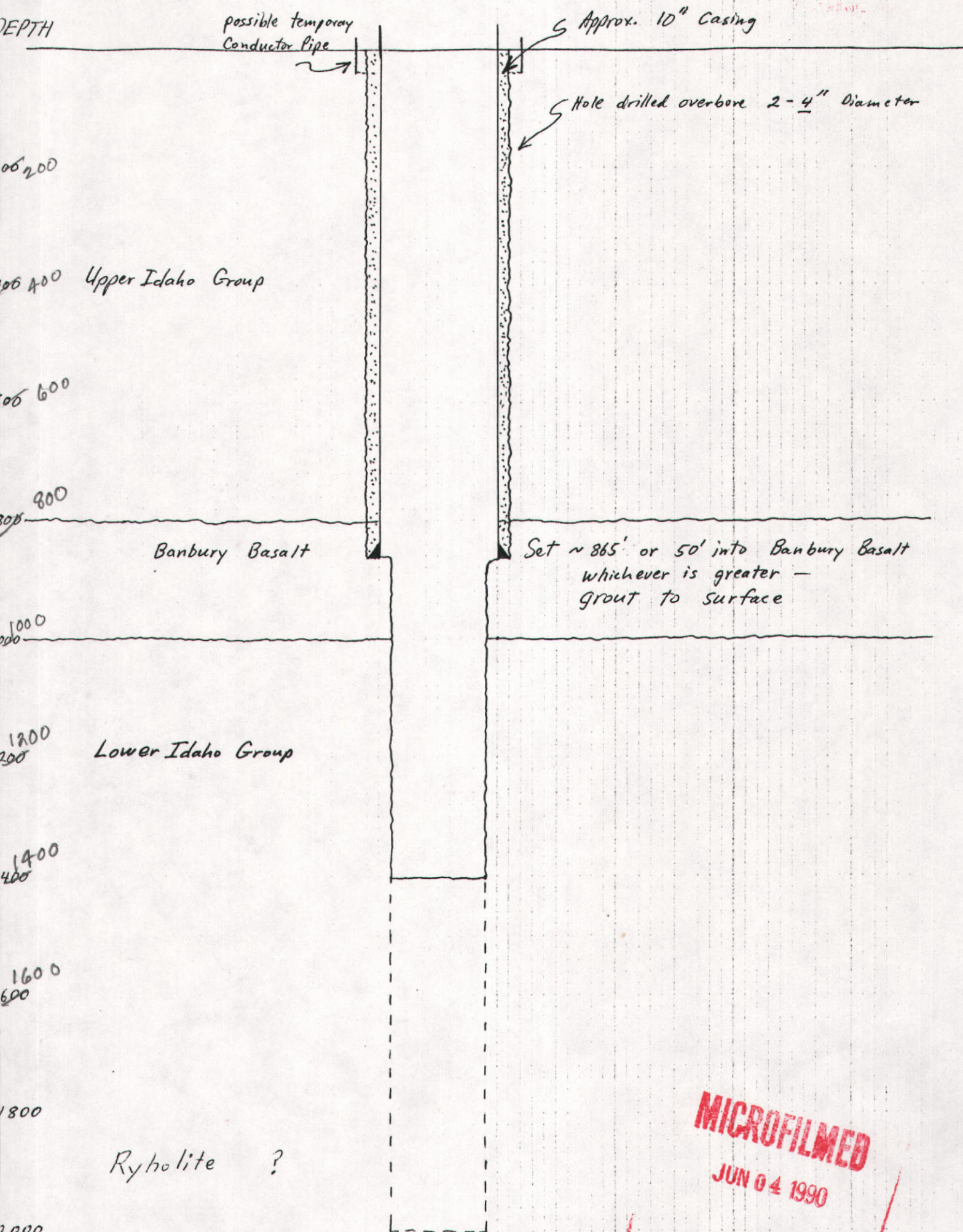
Vertical Scale: 1" = 200 feet

Prepared by: M. Slifka 10-24-89

SW/4 SW/4 Section 8

T1N R3W

Owyhee Co., Idaho



MICROFILMED

JUN 04 1990



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

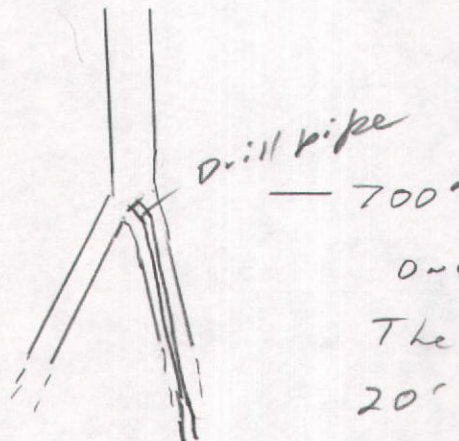
MEMORANDUM

TO: File 57-7445
FROM: John Beal *JB*
DATE: April 8, 1988
SUBJ: Conversation with Ed Holder

Ed Holder was in and told me the following:

- o He ran a camera down the Schwisow well. The well has two legs at 700'+ and he is unable to hook onto his drill pipe.

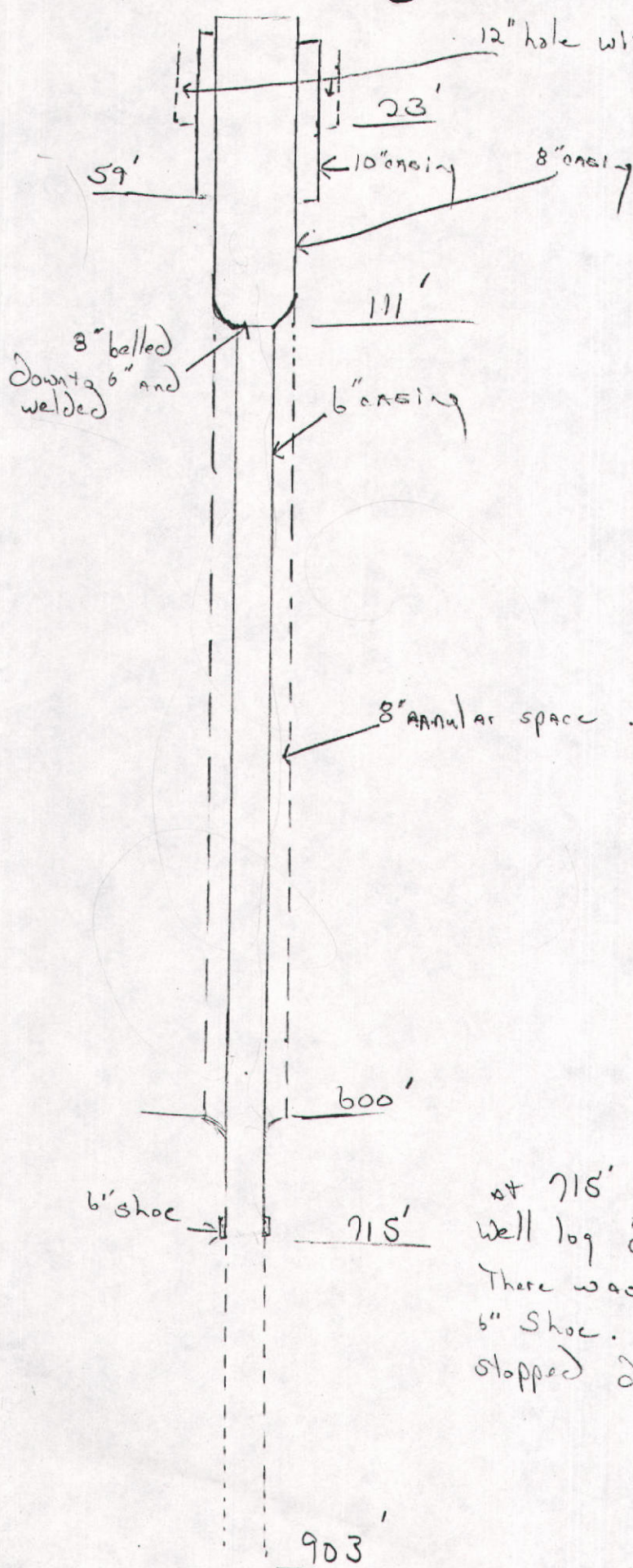
Mr. Schwisow has/is in the process of court action; therefore, Ed has no plans to return. He thinks this well is not salvagable.



One goes to 903'
The other one may go
20' ? No way of
knowing

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JUN 04 1990



To John Beal,
This is the drawing of
the well I drilled for Gary
Schwartz

Jim Daboe

RECEIVED

JUN 11 1990

Department of Water Resources

at 715' shoe was drove into sand stone.
Well log don't show all of these sand stone layers.
There was no water mixing by coming around
6" shoe. I'm sure it sealed off. Casing
stopped driving at that point.

MICROFILMED

JUN 04 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
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.

USE TYPEWRITER OR

RECEIVED

DEC 1 1983

1. WELL OWNER		7. WATER LEVEL																																																																																																												
Name <u>Hester & Ruth Gildersleeve</u> Address <u>HC 82 Box 104C, Melbourn</u> Owner's Permit No. <u>8-3641</u>		Department of Water Resources Static water level _____ feet below land surface. Flowing? ☒ Yes ☐ No G.P.M. flow <u>275</u> Artesian closed in pressure <u>15</u> p.s.i. Controlled by: ☒ Valve ☐ Cap ☐ Plug Temperature <u>96</u> °F. Quality <u>1 grain sodium</u> Describe artesian or temperature zones below																																																																																																												
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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>		Number	From	To																																																																																																										
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Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Model No. _____ Type _____ 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>30</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 <u>Top of casing</u>		Water Temperatures: <u>200' - 70°</u> <u>250' - 74°</u> <u>300' - 78°</u> <u>350' - 82°</u> <u>400' - 91°</u> <u>500' - 96°</u> RECEIVED JAN 4 1984																																																																																																												
6. LOCATION OF WELL		10. DRILLERS CERTIFICATION																																																																																																												
Sketch map location <u>must</u> agree with written location. Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Owyhee</u> Government Lot <u>1</u> Lot B Golf Subdivision SE 1/4 34, 1/4 Sec 8, T. 1 N. S. R. 3 E.		1. We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Dufor Well Drilling</u> Firm No. <u>399</u> Address <u>837 West 1st St</u> Date <u>10-9-83</u> Signed by (Firm Official) <u>[Signature]</u> and _____ (Operator) <u>Same</u>																																																																																																												

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
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.

USE TYPEWRITER OR
COMPUTER
RECEIVED
DEC 1 1983

1. WELL OWNER Name <u>Alice V. Stanley</u> Address <u>P.O. Box 863 - Sun Valley, Idaho 83353</u> Owner's Permit No. _____	7. WATER LEVEL Department of Water Resources Static water level _____ feet below land surface. Flowing? ☒ Yes ☐ No G.P.M. flow <u>275</u> Artesian closed-in pressure <u>15</u> p.s.i. Controlled by: ☒ Valve ☐ Cap ☐ Plug Temperature <u>99</u> °F. Quality _____ Describe artesian or temperature zones below																																																																													
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10"	0	3	Top soil																																																																											
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10"	18	22	blue shale																																																																											
8"	22	245	blue shale																																																																											
8"	245	315	light blue shale																																																																											
8"	315	352	brownish clay																																																																											
8"	352	412	gray sand & blue clay layers																																																																											
8"	412	430	black clay layers & gray sand																																																																											
8"	430	439	sandstone																																																																											
8"	439	476	sand & clay layers blue																																																																											
8"	476	504	dark brown clay - sticky																																																																											
8"	504	546	dark brown clay - sticky																																																																											
8"	546	600	gray sand & blue clay layers																																																																											
8"	600		blue clay - sticky																																																																											
4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____	10. Work started <u>Oct-7-83</u> finished <u>Nov-19-83</u>																																																																													
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><u>250</u> inches</td> <td><u>8</u> inches</td> <td><u>1</u> feet</td> <td><u>319</u> feet</td> </tr> <tr> <td><u>250</u> inches</td> <td><u>6</u> inches</td> <td><u>2</u> feet</td> <td><u>501</u> feet</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 _____ Model No. _____ Type _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel pack ad? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>22</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☒ Pudding clay ☐ Slurry pit 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 <u>Top and side of casing</u>	Thickness	Diameter	From	To	<u>250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>319</u> feet	<u>250</u> inches	<u>6</u> inches	<u>2</u> feet	<u>501</u> feet									Number	From	To										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>DuSoy Well Drilling</u> Firm No. <u>399</u> Address <u>837 West Iowa</u> Date <u>11-30-83</u> Signed by (Firm Official) <u>[Signature]</u> and _____ (Operator) <u>Same</u>																																													
Thickness	Diameter	From	To																																																																											
<u>250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>319</u> feet																																																																											
<u>250</u> inches	<u>6</u> inches	<u>2</u> feet	<u>501</u> feet																																																																											
Number	From	To																																																																												
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="width:25%; text-align: center;">W</td> <td style="width:25%; text-align: center;">E</td> <td style="width:25%; text-align: center;">S</td> <td style="width:25%; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table> Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Canyon</u> <u>Government Lot 1</u> <u>Lot C - Golf Subdivision</u> <u>(SE 1/4 SW 1/4 Sec. 8 T. 1 N. 3 E. 10)</u>	W	E	S	N													USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT MICROFILMED																																																													
W	E	S	N																																																																											

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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

TRANSFER OF WATER RIGHT

TRANSFER NO. 4120
WATER RIGHT NO(S). 57-07211B/57-07445

This is to certify that: TERESA A SCHWISOW
GARY SCHWISOW
HC 79 BOX 106C
MELBA ID 83641

has requested a change to the above captioned water right(s). This change in water right(s) is authorized pursuant to the provisions of Section 42-222, Idaho Code, provided the conditions listed below are met.

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Right No. 57-07211B :			
IRRIGATION	03/15 to 11/15	0.03 CFS	8.1 AF
HEATING	01/01 to 12/31	0.14 CFS	12.8 AF
DOMESTIC	01/01 to 12/31	0.08 CFS	1.2 AF
Priority: 04/06/1978			

Right No. 57-07445 :			
COMMERCIAL	01/01 to 12/31	0.73 CFS	221.8 AF
Priority: 04/29/1985			

SOURCE

GROUNDWATER

LOCATION OF POINT(S) OF DIVERSION: Lot 1(SESW), Sec. 8, Township 01N, Range 03W
OWYHEE County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
01N	03W	8	Lot 1(SESW)	1.8		1.8
Total number of acres irrigated:						1.8

PLACE OF USE: COMMERCIAL

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>
01N	03W	8	Lot 2(NESW)	Lot 1(SESW)

PLACE OF USE: HEATING

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>
01N	03W	8	Lot 2(NESW)

PLACE OF USE: DOMESTIC, same as HEATING use

RECEIVED

Retake
OCT 22 1993

TRANSFER NO. 4120
WATER RIGHT NO(S). 57-07211B/57-07445

CONDITIONS/REMARKS:

1. Use of right 57-07211B is combined with water from Opaline Irrigation District.
2. Right 57-07211B includes accomplished change in purpose of use pursuant to Idaho Code 42-1416A.
3. Return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.
4. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.5 afa per acre for the lands above.
5. Failure to comply with the conditions of this transfer is cause for the director to issue an order to show cause why the approval of the transfer should not be rescinded.
6. The change approved by this transfer is subject to the terms of the court's final decree of this right in the ongoing Snake River Basin Adjudication.
7. The Director retains jurisdiction of these rights and may require re-injection of the water if determined to be necessary for protection of the resource or other water rights.
8. The water right holder is required to beneficially use the heat in the low temperature geothermal water, as determined by the Director, before using the water for irrigation.
9. Three points of diversion are located within Lot 1, SESW, S08, T01N, R03W.
10. Domestic use under right 57-07211B is for 1 home and shop.
11. Commercial use under right 57-07445 is for greenhouses.

Dated this 23rd day of June, 1993.


Chief, Water Alloc. Bureau

Ritake
OCT 22 1993

1993

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 57-07445

Priority: April 29, 1985

Maximum Diversion Rate: 0.73 CFS
Maximum Diversion Volume: 221.8 AF

This is to certify, that TERESA A SCHWISOW
GARY L SCHWISOW

HC 79 BOX 106C
MELBA ID 83641

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 29, 1985; and has submitted Proof of Beneficial Use on April 11, 1990. An examination indicates that the works have a diversion capacity of .730 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
COMMERCIAL	01/01 to 12/31	0.73 CFS	221.8 AF

LOCATION OF POINT(S) OF DIVERSION: Lot 1(SESW), Sec. 8, Township 01N, Range 03W
OWYHEE County

PLACE OF USE: COMMERCIAL
TWN RGE SEC

01N 03W 8 Lot 1(SESW)

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.
6. The Director retains jurisdiction of this permit and may require re-injection of the water if determined to be necessary for protection of the resource or other water rights.
7. Commercial use is for a shop and greenhouses.
8. Two points of diversion are located within SESW, Lot 1, S08, T01N, R03W.

MICROFILMED

JUL 29 1992

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 57-07445

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 16TH
day of JUNE, 1992.

Acting for *R. Keith Higginson*, Director

RECEIVED

JUL 29 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Schwisow, Gary L. and/or Teresa A. Phone 896-4229

Post office address Star Rt., Box 106C Melba, ID, 83641

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point of diversion is (2 Points) (Lt. 1)
SE 1/4 of SW 1/4 of Section 8 Township 1N

Range 3W B.M. Owyhee County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount .90 cfs for Commercial purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. .90 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Hot Artesian Well with Pump and
Pipelines to Greenhouses, also Cold Well with Pump and Pipelines to Greenhouses
for irrigation.

b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir
capacity _____ acre-feet, materials used in storage dam: _____

Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is Existing 8 inches; proposed depth of well is 711 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial
use is 5 years (minimum 1 year — maximum 5 years).

8. Description of proposed uses: NESW (Lt. 2)

a. If water is not for irrigation: NWSW (Lt. 3)

(1) Give the place of use of water: SESW (Lt. 1) 1/4 of Section 8 Township 1N

Range 3W B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be
supplied with domestic water _____.

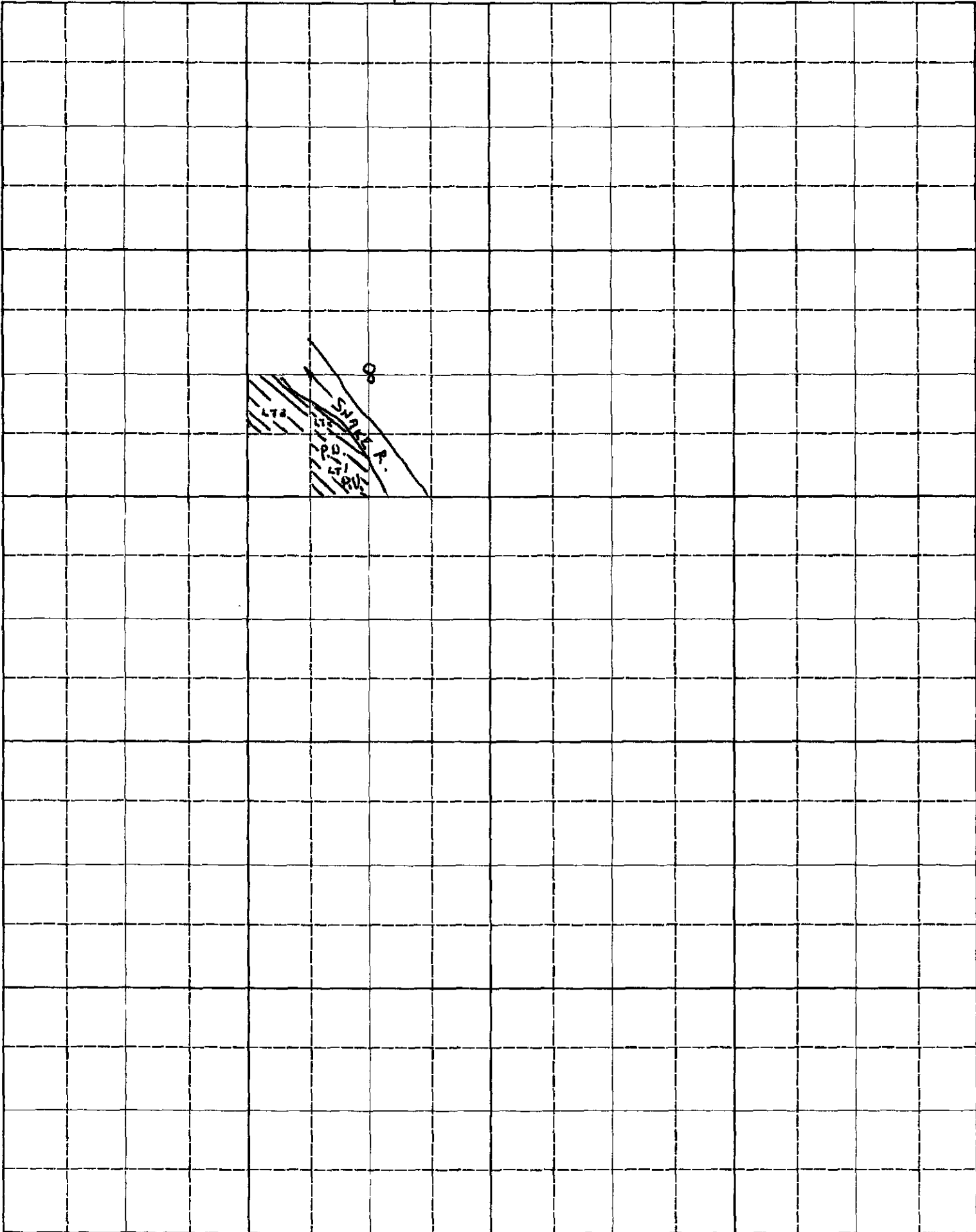
(5) If water is to be used for other purposes describe: Commercial Use is for Heating of 12
Greenhouses of a Total of Approximately 48,000 Sq.Ft. Area and Coldwater use for
the irrigation of that area.

NOT RECORDED

11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

R 3 W

T 1 N



Scale 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Dary L. Schumison
(Applicant)

MICROFILMED

Proposed Priority 4/29/85

MICROFILMED

Received by gsl Date 4/29/1985 Time 2:00 PM

Preliminary check by GLS Fee \$ 45⁰⁰/₁₀₀

Receipted by gsl Date 4/29/1985 # 36054

Publication prepared by JP Date 5/2/85

Published in Owyhee Avalanche

Publication dates 5/8 & 5/15/85

Publication approved gl Date 5/11/85

Protests filed by: none

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by DBS kw

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 57-7445, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 19 90.
- c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
- d. Other: Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.

A flow measurement port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

Return flow if discharged to a subsurface system must be authorized by a separate injection well permit, and return flow if discharged to a surface water system shall meet Idaho Water Quality Standards. Surface discharge must be permitted or approved by the U.S. Environmental Protection Agency.

The Director retains jurisdiction of this permit and may require re-injection of the water if determined to be necessary for protection of the resource or other water rights.

If a new well is needed to satisfy this permit, the permit holder shall submit to the Department a drilling prospectus which includes proposed casing and grouting procedures for review and approval prior to the drilling of the well.

Witness my hand this 19th day of June, 1985.

J. Glen Saxton
Chief, Operations Bureau

The Owyhee Avalanche

P.O. BOX 97

HOMEDALE, IDAHO 83628

208/337-4681

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
)ss.
COUNTY OF OWYHEE)

I, Joe E Aman, being first duly sworn, depose and say:

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was and now am over the age of twenty-one years, not a party to nor interested in the proceedings hereinafter mentioned.

2. That during the time of the publication of the notice hereinafter mentioned, I was and now am the publisher of The Owyhee Avalanche, a newspaper of general circulation printed and published weekly, Wednesday of each and every week, in the City of Homedale and County of Owyhee and State of Idaho.

3. That the said The Owyhee Avalanche, a continuation of the Owyhee Chronicle and the Owyhee Nugget, has been printed and published continuously and uninterruptedly in said County during a period of seventy-eight weeks prior to the first publication of the attached notice.

4. That said notice of which a printed copy, taken from said newspaper, is hereto affixed, was published in the regular issue thereof, and not in a supplement thereto, in said newspaper, in _____ (consecutive) calendar weekly issue(s) of said newspaper, in the following date(s):

.....
.....
.....
.....
.....
.....
.....
.....

(Signed) _____

Subscribed and sworn to before me this _____ day of _____
A.D., 19____

Notary Public in and for the State of Idaho,

residing at _____, Idaho.

My commission expires _____

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho.

57-7445 ✓ JP

SCHWISOW, GARY L. &/or TERESA A.

STAR RT. BOX 106-C, MELBA, ID 83641

Source: GROUNDWATER

Date Filed: 04/29/1985

Diversion Pt. LOT 01 (SESW) Sec 06 T 01N R 03W

Use: COMMERCIAL (0.90 CFS)

In: LOT 02 (NESW) LOT 03 (NWSW)

LOT 01 (SESW) Sec 06 T 01N R 03W

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 27, 1985.

Ken Dunn, Dir.

Published 5/2/85

MICROFILMED

RECEIVED

MAY 17 1985

Department of Water Resources
Western Regional Office

MEMORANDUM

TO: FILE 57-07445

FROM: PAM SKAGGS

RE: TRANSFER # 4120

DATE: 6-15-93

=====

Original Transfer Application, Form and correspondence regarding the above referenced Transfer is located within file # 57-07211.

MINORIT MFD

JUN 30 1993

WR0749NP
No. 57-07445

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 07/08/93
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	TERESA A SCHWISOW	04/29/1985	COMMERCIAL	01-01 12-31	0.73 CFS	221.8 AFA
C	GARY L SCHWISOW HC 79 BOX 106C MELBA ID 83641 (208) 896-4229					
TOTAL DIVERSION:					0.73 CFS	221.8 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 0.73 CFS

Point(s) of Diversion: T01N R03W S08 Lot 01(SE SW)

Place of use Legal Description for: COMMERCIAL

				NE				NW				SW				SE				
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
01N	03W	8	:																	:
			:																	:
			:																	:

Pou County: DWYHEE

Other Water Rights Listing Overlapping Place(s) of use:
02-02072 57-07204 57-07211 X57-07211B

Conditions of Approval:

- R08 - Return flow if discharged to a surface water system shall meet
- Idaho Water Quality Standards.
- T08 - Failure to comply with the conditions of this transfer is cause
- for the director to issue an order to show cause why the approval
- of the transfer should not be rescinded.

Remarks: The Director retains jurisdiction of this right and may require
re-injection of the water if determined to be necessary for
protection of the resource or other water rights.
Three points of diversion are located within Lot 1, SESW, S08,
T01N, R03W.
Commercial use is for a shop and greenhouses.

Dates:	App. Received:	04/29/1985	Priority Date:	04/29/1985
	Proof Due Date:	06/01/1990	Proof Made Date:	04/11/1990
	Exam Made Date:	06/07/1990	Exam Sent to S.O.:	10/29/1991
	Licensed Date:	07/16/1992		

Misc: Water District Number: Field Exam Fee: R (Received)

Comments: Date: 06/16/1993 User-ID: SKAGGS Subject: TRANSFER #4120

WR0749NP
No. 57-07445

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 07/08/93
PAGE: 2

=====
Comments: Date: 06/16/1993 User-ID: SKAGGS Subject: TRANSFER #4120
Transfer #4120 was filed to add diversion points under right
57-07445 and SRBA claim 57-072118.

Audit: 07/08/93 SKAGGS

July 21, 1992

TERESA A SCHWISOW
GARY L SCHWISOW
HC 79 BOX 106C
MELBA ID 83641

RE: WATER RIGHT NO. 57-07445

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

PAMELA SKAGGS
Water Resource Agent

PS:cz

Enclosure

REGISTERED
JUL 29 1992

July 1, 1992

TERESA A SCHWISOW
GARY L SCHWISOW
HC 79 BOX 106C
MELBA ID 83641

RE: WATER RIGHT NO. 57-07445

Dear Water Right Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

PAMELA SKAGGS
Water Resource Agent

PS:cz

Enclosure

RECEIVED
JUL 29 1992

LICENSE REVIEW CHECKLIST

Permit # 57-7445

Date 6-29-92
CB

	Yes	No	
NAME	☐	☒	Address Change?
PRIORITY DATE	☐	☒	Advance?
	☐	☒	Memo to Advance
	☐	☒	Order to Reinstate Needed?
TOTAL CFS	☐	☒	Incorrect Fee for rate recommended?
	☐	☒	Disagree with Actual Measurement?
	☐	☒	<u>.73 cfs (NOMM)</u>
	☐	☒	Disagree with Theoretical?
	☒	☐	Limited by Capacity? <u>.73 cfs</u>
TOTAL VOLUME			Rate/ac <u> </u> AFA Irr. Season <u> </u>
			<u> </u> Standard Irr. Season
			<u> </u> Season Recommended
	☐	☒	Disagree with Examiner's Calculations?
	☐	☒	<u>221.8 afa (CUMM)</u>
	☐	☒	Limited by Flow?
SOURCE	☐	☒	Changes? Clarification of <u>Originally</u>
	☐	☒	<u>Intended</u> source
	☐	☒	Notice of Intent to Void.
P/D			Verify with Map
	☐	☒	Amendment Needed?
	☐	☒	Is Overlap Analysis a Consideration?
P/U			Verify with Map
	☐	☒	Amendment Needed? <u>Drop NESW & NWSW</u>
	☐	☒	Is Overlap Analysis a Consideration?
USES	☐	☒	Change(s) in Nature of Use?
	☐	☒	Amendment Needed?
REMARKS	☒	☐	Multiple P/Ds in 1/4 1/4? <u>2/SESW, Lot 1</u>
	☒	☐	Non-Irr. Uses <u>Comm/Greenhouses</u>
	☐	☒	Special Overlap Condition
	☒	☐	Other <u>Retain Permit Condition - "Director retains jurisdiction"</u>
CONDITIONS	☐	☒	Measuring Device
	☐	☒	W/Master Control
	☐	☒	Overlap
	<u>RCS</u>	☐	Water Quality
			DATES/MISC
		☒	Water Dist.
		☒	App Rec'd
		☒	Exam Made
COMMENTS/MEMOS NEEDED:	<u>Reduced Rate</u>		
	<u>Map doesn't agree with legal descriptions -</u>		
	<u>PD & PU Confirmed with Ron Howerton.</u>		
License	<u>10-Day</u>	☒	15-Day
			Special Correspondence

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	TERESA A SCHWISOW	04/29/1985	COMMERCIAL	01-01 12-31	0.73 CFS	221.8 AFA
C	GARY L SCHWISOW HC 79 BOX 106C MELBA ID 83641			TOTAL DIVERSION:	0.73 CFS	221.8 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 0.73 CFS

Point(s) of Diversion: T01N R03W S08 Lot 1(SE SW)

Place of use Legal Description for: COMMERCIAL

			NE				NW				SW				SE									
			NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:		
T	R	S	: Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
01N	03W	8	:				:					:					:						:	

Pou County: OWYHEE

Other Water Rights Listing Overlapping Place(s) of use:
02-02072 57-07204 57-07211 A02-02072

Conditions of Approval:

- R08 - Return flow if discharged to a surface water system shall meet
- Idaho Water Quality Standards.

Remarks: The Director retains jurisdiction of this permit and may require re-injection of the water if determined to be necessary for protection of the resource or other water rights. Commercial use is for a shop and greenhouses. Two points of diversion are located within SESW, Lot 1, S08, T01N, R03W.

Dates: App. Received: 04/29/1985 Priority Date: 04/29/1985
Proof Due Date: 06/01/1990 Proof Made Date: 04/11/1990
Exam Made Date: 06/07/1990 Exam Sent to S.O.: 10/29/1991
Licensed Date:

Misc: Water District Number: Field Exam Fee: R (Received)

Audit: 06/29/92 SKAGGS

PERMIT 57-7445 INIT KKC
 T. R. S. Q/Q
 P/D IN 3W B SE/SW
 SCALE _____
 PHOTO ID. 4-5 GEVENS-HOTSPOTS

REF ID: A66011

JUL 29 1993

Corrected Map per legals & telecon
confirmation with Ben Howerton
who was familiar with this exam
per field examiner. AS 6-29-92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

57-7445
Permit No.

Staff Analysis Sheet
for
Beneficial Use Field Report

A. Prior to Conducting the Exam, the File Contains:

☒ Blank Field Report Form

☒ Copy of Permit

☒ Copies of any Amendments/Orders with conditions of approval

I needed Well Inspection Form Needed

☒ Copy of U.S.G.S. Quad

✓ Check for Government Lots. If so, make a copy of Government Plat

Check of P/D index LW 6-4-90 (Initial and date)

Overlap? ☐ yes ☐ no If yes: ☐ copy of exam(s) attached?

Type of Overlap? ☐ Add acres or uses to existing system

☐ Increase rate of flow or volume

☐ Other: _____

Check of P/U index LW 6-4-90 (Initial and date)

Overlap? ☐ yes ☐ no If yes: ☐ copy of water right(s) attached?

Type of Overlap? ☐ Increase rate of flow or volume

☐ Add P/D's

☐ Increase number of acres within tracts

☐ Other: _____

Aerial Photo

Required? ☐ yes ☒ no If yes: ☐ copy attached?

✓ Scheduling Letter sent? _____ (Initial and date)

☒ Appointment made and telephone conversation memo attached

B. After Conducting the Exam, the File Contains:

☒ Fully completed and signed Field Report Form

☒ Photographs of Point of Diversion and Place of Use

C. Review and Processing:

Exam Completed 5-15-91 Kelly Christensen (Signature of examiner and date)

Exam Reviewed by Senior Water Resource Agent _____ (Initial and date)

Exam Reviewed by Manager of Regional Office DM 10/24/91 (Initial and date)

Exam Date Entered in Computer ✓ st (Initial and date)

Exam sent to State Office 10-29-91 st (Initial and date)

MICROFILMED
JUL 29 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
OCT 29 1991

Department of Water Resources

A. GENERAL INFORMATION

PERMIT NO: 57-07445

DATE EXAM

CONDUCTED: 06-07-90

1. OWNER LISTED ON PERMIT

Name: Gary and/or Teresa Schwisow
Address: HC 79, Box 106C
City, State: Melba, ID Zip 83641
Phone No. (208) 896-4229

2. PERSON ACCOMPANYING EXAMINER OR NEW OWNERS NAME AND ADDRESS

Name: Same
Relationship to Permit holder: Owner

3. SOURCE: Ground water (two wells)

B. DOCUMENTS INCLUDED WITH THIS REPORT

- | | |
|--|--|
| 1. <u>x</u> Copy of U.S.G.S Quadrangle | 5. <u> </u> Aerial Photo (if required) |
| 2. <u>2</u> No. of Photo Pages Attached | 6. <u> </u> Overlap Sheet (form) |
| 3. <u>2</u> Well Inspection Form | 7. <u> </u> Pump Efficiency form |
| 4. <u> </u> P/D Overlap Field Exams Copy | 8. <u>2</u> Cox Hall Worksheet |

C. OVERLAP REVIEW

1. Water rights found within the same Q/Q but they have
a different owner and uses -- ☒
same owner but different
source and/or acres -- -- -- ☐

2. P/D overlap found. (same source only) Right Numbers.

57-07211 (an irrigation, heating, domestic, right). This right furnishes water to two domestic homes for heating, in home domestic use for four units (overlapping homes with the two referred to earlier) and for irrigation of 8.5 acres.

57-07459 a different well and use.

57-07204 a different well and use.

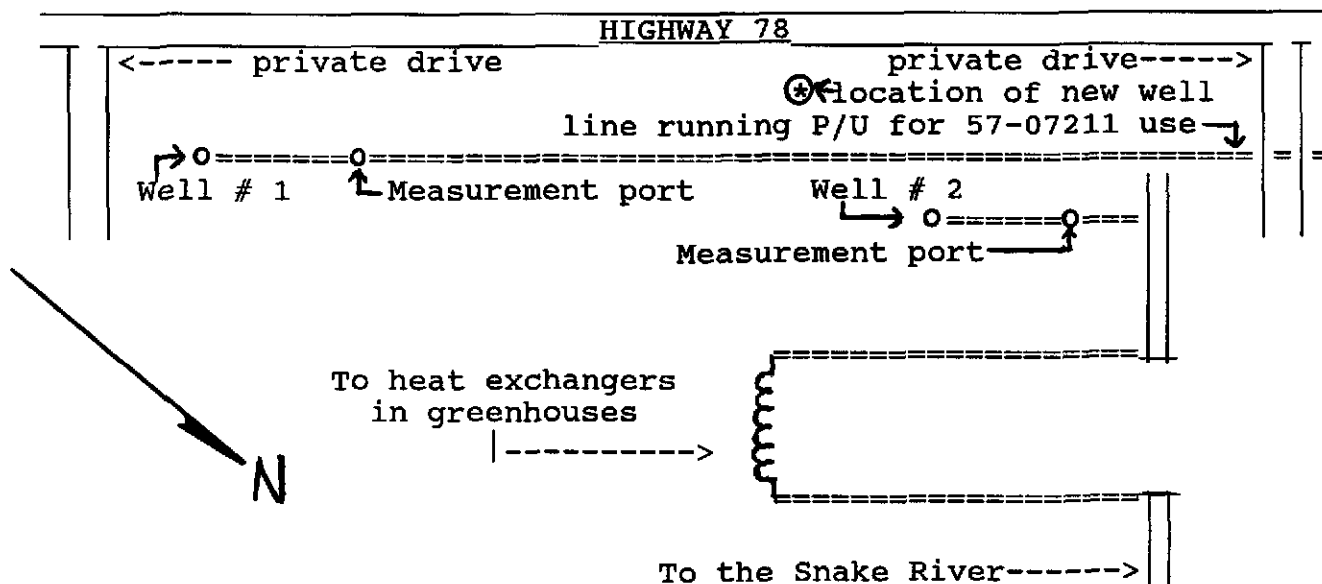
3. P/U overlap found. (permit acres only) Right Numbers.

This is a commercial right for greenhouses. One greenhouse has been licensed and therefore will be excluded from this recommendation. Other uses from this P/D exist but are licensed under 57-07211

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JUL 29 1992

D. SYSTEM DESCRIPTION (General system description)

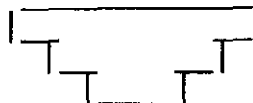
1. Diagram found on;



2. Narrative

The system is two wells plumbed together to deliver water to the greenhouses. The water is used to heat the greenhouses and a shop and to water the plants. Normal use is for the water to circulate through the heat exchangers and then be used for plant water with the excess water being discharged into the Snake River. Use is year round. The place of use consists of; 3 greenhouses 30'x 124', 1 at 30'x 145', 2 at 30'x 136', 1 at 16'x 32', and one covering 33,840 sq ft.

the shape is



The mainline continues northwest across a private drive where it supplies water for domestic, heating and irrigation. These uses are licensed under 57-07211.

A new well is under construction just west of well # 2 and it is planned to be tied into this system.

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E. FLOW MEASUREMENT DESCRIPTION

Well Id. #	Hp	Motor Make	Serial #	Pump Make	Discharge Dia.
1 (S)					4"
2 (N)					3"

1. Diagram (Indicate weir size/ditch size/pipe i.d. as applicable.

alternate diagram attached -- ☒

2. Narrative (measurement conditions/sketch clarification/ flow calculations; include the results from any measurements.)

The two wells were measured separately and their discharge rates added. They are tied into the same mainline and normally operate together when cold temperatures require the highest rate of flow. The measurements were good with no unusual circumstances noted.

P/D # 1, the south well, measured 0.34 cfs*

P/D # 2, the north well, measured 0.39 cfs

The system total is, 0.73 cfs

* see attached annubar measurement work sheets.

3. Alternate method for checking purposes

4. Measurement Equipment Used During Field Exam

Measurement Equipment	Type	Make	Model No.	Serial No.	Size
Well # 1	flow meter	Cox-Hall		used a 4 hole tip	
Well # 2	flow meter	Cox-Hall		used a 1 hole tip	

5. Point of Diversion Legal Description

Ident. No.	Twp	Rng	Sec	1/4	1/4	1/4	Gov't Lot	County	Remarks and Method of Determination
1	1N	3W	8				1	OWYHEE	ORTHO PHOTO
2	1N	3W	8				1	OWYHEE	ORTHO PHOTO

MICROFILMED
JUL 29 1992

F. PLACE OF USE (if acres, show acres recommended for the license)

METHOD OF DETERMINATION: ORTHO PHOTO

			NE				NW				SW				SE				TOTAL
TWP	RGE	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	3W	8																	C

G. VOLUME CALCULATIONS (for irrigation, use the acres and the diversion rate recommended for licensing)

1. Volume Calculations

The volume calculation is based upon a percentage of use of the possible diversion rate for heating purposes. Crop irrigation uses the water after passing through the heat exchangers and therefore does not represent an additional volume. The volume required for irrigation, even in the summer months, is less than the estimated volume requirement for heating purposes therefore the calculations are based upon heating use.

Measured system capacity is 0.73 cfs or 328 gpm.
 328 gpm * 60 min * 24 hrs gives 470,880 gal. per day

Formula used:

$$\frac{\text{Daily Volume} * \% \text{ of Use} * \text{Days in Period}}{325,581 \text{ Gal per Acre Ft.}} = \text{Acre Ft used Per Period}$$

Nov 15 to- Feb 15	$\frac{470,880 * 0.80 * 93}{325,581}$	= 107.9 Acre Ft. Per Period
Feb 16 to- Mar 15	$\frac{470,880 * 0.45 * 28}{325,581}$	= 18.3 Acre Ft. Per Period
Mar 16 to- May 15	$\frac{470,880 * 0.30 * 78}{325,581}$	= 33.9 Acre Ft. Per Period
June 1 to- July 31	$\frac{470,880 * 0.10 * 61}{325,581}$	= 8.9 Acre Ft. Per Period
Aug 1 to- Oct 15	$\frac{470,880 * 0.30 * 75}{325,581}$	= 32.6 Acre Ft. Per Period
Oct 16 to- Nov 14	$\frac{470,880 * 0.45 * 31}{325,581}$	= 20.2 Acre Ft. Per Period
TOTAL		= <u>221.8 AFA</u>

vs. $\frac{0.73}{\text{Div Rate}} * \frac{365}{\text{Days}} * 1.9835 = \underline{528.5 \text{ Afa}}$

V = The smaller of annual volume and required volume 221.8 AFA

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 JUL 29 1992

H. RECOMMENDATIONS

1. Permit Summary

COMMERCIAL -- -- -- -- -- 0.90__ Rate

Fees Paid for -- -- -- -- -- 1.00__ Max.

2. Found during field exam

COMMERCIAL -- -- -- -- -- 0.73__ Rate

2. Recommended Amounts

Beneficial use	Period of Use From	To	Q-- Rate of Diversion	V-- Annual Volume
Commercial	1-1	12-31	0.73 Cfs	221.8 Afa

3. Recommended Amendments

None -- -- -- -- -- |X|

I. AUTHENTICATION

Field Examiner's
name

Kelly K. Christensen

Signature

Kelly K. Christensen

Field Report

Preparation Date

5-16-91

Reviewed by

DR

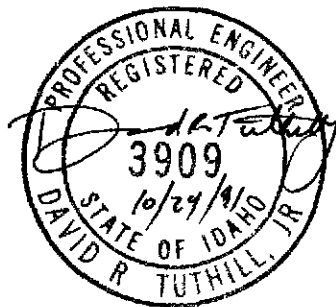
Signature

David R. Tutthill

Date

10/24/91

Certification Date

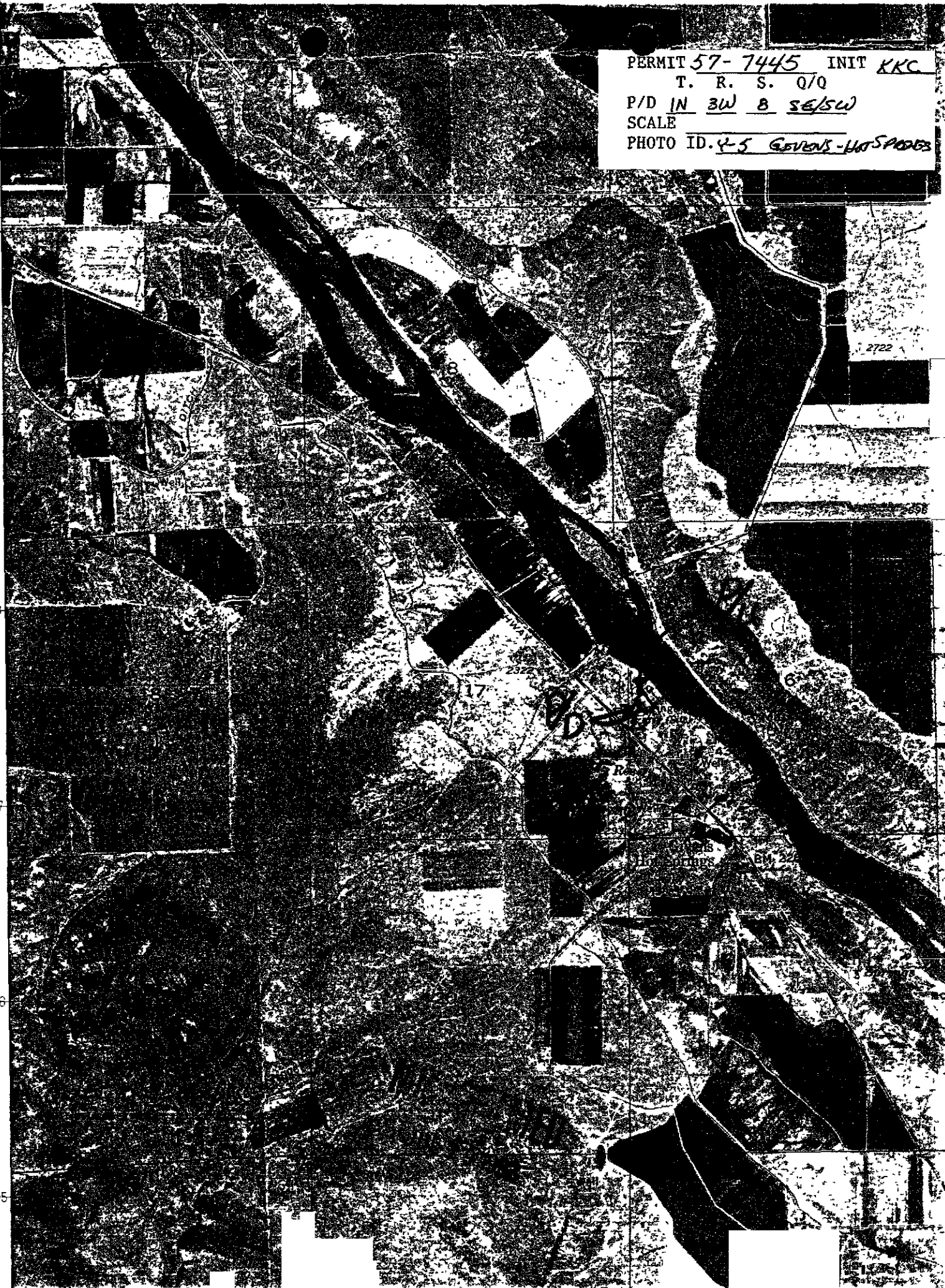


CONSULTANT SEAL

MICROFILMED
JUL 29 1992

1. CALDWELL 2.4 MI
5.8 MI TO IDAHO 55
409
408
407
406
405

PERMIT 57-7445 INIT KKC
T. R. S. Q/Q
P/D IN 3W 8 SE/SW
SCALE _____
PHOTO ID. 4-5 GEVENS-HOTSPOTS



2722

2724

BM
224

WELL # 1

State of Idaho
DEPARTMENT OF WATER RESOURCES
COX/HALL WORKSHEET, SUPPLEMENT FOR FIELD REPORT

Measured by: RON MEL LARRY KELLY

Permit No. 57-7445

Owner: SCHWISLOW, GARY L.

Date: JUNE 7, 1990

Description of well and /or measuring sight if not included on the field report.

- include well identification if more than one P/D

SOUTHERN MOST WELL OF THREE WELLS, TWO COVERED ON THIS PERMIT
NEW WELL RECEIPT FOR PERMIT 6014180 (DRILLER'S PERMIT)

Cox/Hall description

State ID No. _____

Size of tip used 4 HOLE

Number of holes in

meter taped or blocked 2 HOLES

Measured inside pipe radius in inches

CIR = Pipe circumference in inches = _____

T = Pipe thickness in inches = _____

IR = (0.1592 * CIR) - T = _____

3.75 (IR)

Differential pressure reading in inches of H2O

High reading = 33.8

Low reading = 25.1

(H) -- High - Low = 8.7 (H)

Cox/Hall description and factor determination

To determine the Cox/Hall factor (H#) use the table to the right. Using the Differential pressure reading (H) find the appropriate row and column to determine (H#). (example: H = 12.4 then H# = 17.0)

DETERMINE (H#) AND ENTER HERE 14 (H#)

Calculation of discharge in CFS

$$Q = \frac{(3.1416) * (IR)^2 * (H\#)}{(448.8)}$$

$$Q = \frac{(3.1416) * (1.875)^2 * (14)}{(448.8)} = \underline{.34} \text{ CFS}$$

Sketch (if not shown on field report)

DIRECT MEASUREMENT
DIAMETER

	0	1	2	3	4	5	6	7	8	9
0	0.3	0.3	1.3	1.3	2.3	3.3	2.3	3.3	3.7	4.3
1	4.3	4.5	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2
2	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.7
3	7.9	8.0	8.2	8.3	8.5	8.6	8.7	8.8	9.0	9.1
4	9.3	9.4	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
5	10.4	10.5	10.6	10.7	10.9	11.0	11.1	11.2	11.3	11.4
6	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4
7	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4
8	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4
9	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4
10	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4
11	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4
12	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4
13	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4
14	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4
15	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4
16	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4
17	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4
18	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4
19	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4
20	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4
21	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4
22	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4
23	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4
24	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4
25	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4
26	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4
27	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4
28	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4
29	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4

MICROFILMED
JUL 29 1992

WELL #2

State of Idaho
DEPARTMENT OF WATER RESOURCES
COX/HALL WORKSHEET, SUPPLEMENT FOR FIELD REPORT

Measured by: RON MEL LARRY KELLY

Permit No. 57-7445

Owner: SCHWISLOW GARY L.

Date: JUNE 7, 1990

Description of well and /or measuring sight if not included on the field report.

- include well identification if more than one P/D

NORTHERN MOST WELL OF THREE WELLS TWO COVERED ON THIS PERMIT.
NEW WELL RECEIPT FOR PERMIT 6014180 (DRILLERS PERMIT)

Cox/Hall description

State ID No. _____

Size of tip used 1 HOLE

Number of holes in

meter taped or blocked 5 HOLES

Measured inside pipe radius in inches

CIR = Pipe circumference in inches = 21"

T = Pipe thickness in inches = 3/16" (.1875)

IR = (0.1592 * CIR) - T = 3.1557 (IR)

Differential pressure reading in inches of H2O

High reading = 36.6

Low reading = 35

(H) -- High - Low = 1.6 (H)

Cox/Hall description and factor determination

To determine the Cox/Hall factor (H#) use the table to the right. Using the Differential pressure reading (H) find the appropriate row and column to determine (H#). (example: H = 12.4 then H# = 17.0)

DETERMINE (H#) AND ENTER HERE 5.6 (H#)

Calculation of discharge in CFS

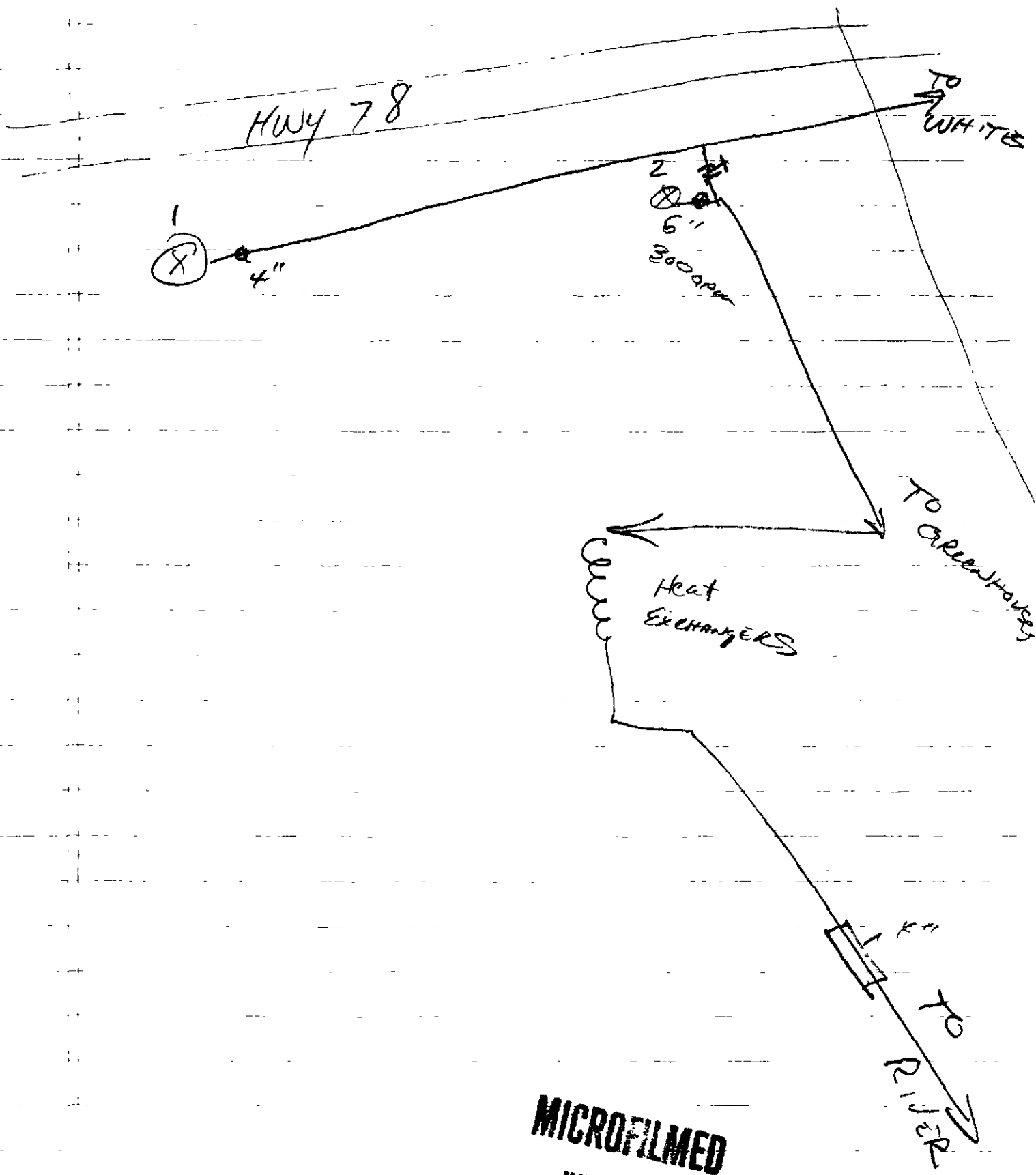
$$Q = \frac{(3.1416) * (IR)^2 * (H\#)}{(448.8)}$$

$$Q = \frac{(3.1416) * (3.16)^2 * (5.6)}{(448.8)} = \underline{.39} \text{ CFS}$$

Sketch (if not shown on field report)

	.2	.1	2	.3	4	5	6	.7	.8	9
0	0.8	0.8	1.3	1.3	2.2	2.5	2.9	3.2	3.7	4.0
1	4.3	4.5	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2
2	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.7
3	7.9	8.0	8.2	8.3	8.5	8.6	8.7	8.8	9.0	9.1
4	9.3	9.4	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
5	10.4	10.5	10.6	10.7	10.9	11.0	11.1	11.2	11.3	11.4
6	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4
7	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4
8	13.5	13.5	13.6	13.7	13.8	13.9	14.0	14.0	14.1	14.2
9	14.3	14.4	14.5	14.5	14.6	14.7	14.8	14.9	15.0	15.0
10	15.1	15.2	15.3	15.4	15.5	15.5	15.6	15.7	15.8	15.9
11	15.9	16.0	16.1	16.2	16.3	16.3	16.4	16.5	16.5	16.6
12	16.7	16.7	16.8	16.9	17.0	17.0	17.1	17.2	17.3	17.3
13	17.4	17.5	17.5	17.6	17.7	17.8	17.8	17.9	18.0	18.1
14	18.1	18.2	18.3	18.3	18.4	18.5	18.5	18.6	18.7	18.7
15	18.8	18.9	18.9	19.0	19.1	19.1	19.2	19.3	19.3	19.4
16	19.5	19.5	19.6	19.6	19.7	19.7	19.8	19.9	19.9	20.0
17	20.1	20.1	20.2	20.2	20.3	20.4	20.4	20.5	20.5	20.6
18	20.7	20.7	20.8	20.9	20.9	21.0	21.0	21.1	21.2	21.2
19	21.3	21.3	21.4	21.4	21.5	21.5	21.6	21.7	21.7	21.8
20	21.9	21.9	22.0	22.0	22.1	22.2	22.2	22.3	22.3	22.4
21	22.4	22.5	22.5	22.6	22.6	22.7	22.7	22.8	22.9	22.9
22	23.0	23.0	23.1	23.1	23.2	23.2	23.3	23.4	23.4	23.5
23	23.5	23.6	23.6	23.7	23.7	23.8	23.8	23.9	23.9	24.0
24	24.0	24.1	24.2	24.2	24.3	24.3	24.4	24.4	24.5	24.5
25	24.6	24.6	24.7	24.7	24.8	24.8	24.9	24.9	25.0	25.0
26	25.1	25.1	25.2	25.2	25.3	25.3	25.4	25.4	25.5	25.5
27	25.6	25.6	25.7	25.7	25.8	25.8	25.9	25.9	26.0	26.0
28	26.1	26.1	26.2	26.2	26.3	26.3	26.4	26.4	26.5	26.5
29	26.6	26.6	26.7	26.7	26.8	26.8	26.9	26.9	27.0	27.0
30	27.0	27.1	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5
31	27.5	27.5	27.6	27.6	27.7	27.7	27.8	27.8	27.9	27.9
32	28.0	28.0	28.1	28.1	28.2	28.2	28.3	28.3	28.4	28.4
33	28.4	28.5	28.5	28.6	28.6	28.7	28.7	28.8	28.8	28.9
34	28.9	28.9	29.0	29.0	29.0	29.1	29.1	29.2	29.2	29.2
35	29.3	29.3	29.3	29.4	29.4	29.5	29.5	29.5	29.6	29.6
36	29.7	29.7	29.8	29.8	29.9	29.9	30.0	30.0	30.0	30.1
37	30.1	30.2	30.2	30.3	30.3	30.4	30.4	30.5	30.5	30.5
38	30.6	30.6	30.7	30.7	30.8	30.8	30.9	30.9	31.0	31.0
39	31.0	31.0	31.1	31.1	31.2	31.2	31.3	31.3	31.4	31.4
40	31.4	31.5	31.5	31.6	31.6	31.7	31.7	31.8	31.8	31.8
41	31.8	31.9	31.9	32.0	32.0	32.1	32.1	32.2	32.2	32.2
42	32.2	32.3	32.3	32.4	32.4	32.5	32.5	32.6	32.6	32.7
43	32.6	32.7	32.7	32.8	32.8	32.9	32.9	33.0	33.0	33.0
44	33.0	33.0	33.1	33.1	33.2	33.2	33.3	33.3	33.4	33.4
45	33.4	33.5	33.5	33.6	33.6	33.7	33.7	33.8	33.8	33.8
46	33.8	33.9	33.9	34.0	34.0	34.0	34.1	34.1	34.1	34.2
47	34.2	34.2	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5
48	34.6	34.6	34.7	34.7	34.8	34.8	34.9	34.9	35.0	35.0

MICROFILMED
JUL 29 1990



MICROFILMED
JUL 29 1992

Permit # 57-07445

PHOTO # 1

This picture shows P/D # 2. The majority of the mud around the well is from the new well being drilled. There is an opening in the casing where the electrical cable enters the casing which is leaking. This picture is looking east.



LEAK



PHOTO # 2

This picture is also of P/D # 2 and was taken to show the relationship with the new well being drilled. The picture is looking south.

Permit # 57-07445

PHOTO # 3

This picture shows the valve used to isolate the two wells. The measurement location for P/D # 2 was in the hole just beyond the shovel. Note the breaker box in the upper left corner of the picture. That is the same breaker box beside the shovel in pictures one and two.



PHOTO # 4



This photo shows the discharge point into the Snake River. The pipe is in the shadow and is not visible. The Snake River is just to the left of this picture.

May 4, 1990

GARY L. SCHWISOW
TERESA A. SCHWISOW
HC 79 BOX 106 C
MELBA, ID 83641

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 57-07445

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

I note that the permit issued to you by the department requires the installation of a flow measurement port to allow the department to determine the rate of diversion. The proof which you submitted does not show that you have installed this equipment.

The installation of the flow measurement port must be complete by the time the department representative conducts the examination of your system unless the department has rescinded the requirement prior to the field examination. In some cases, the equipment requirement can be rescinded because the equipment cannot be physically installed, is not appropriate or can be accommodated with other measuring methods.

If you have questions concerning this matter, please feel free to contact the WESTERN Regional Office in Boise at (208)334-2190.

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

MICROFILMED

JUN 04 1990

1/88

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. 57-7445

Date: 4-20-90

General Considerations:

4 Name same as permit
4 Signature the same as permit holder
4 Address change _____ If yes, prepare a data entry
4 Proof received timely _____
_____ Reinstated

Source of Water:

_____ Surface water
4 Groundwater
_____ 1. well log in file
4 2. drilling permit
_____ A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

4 Rate of diversion appropriate for uses
4 Is rate or volume and fee appropriate?
4 Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

4 Is a measuring device or access port required?
_____ Has one been installed?
4/4 Waiver or modification of measuring device requested

Remarks:

*Flow meas. port required
Proof acceptable*

Priority Calculation:

Date proof received	_____	_____
Date proof due	_____	-
No. of days late	_____	=
Priority date	_____	+
NEW PRIORITY DATE	_____	=

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

RECEIVED
APR 11 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department

Permit No. 57-7445 Telephone No. 896-4229

Name(s) of Permit Holder(s): GARY & TERESA SCHWISOW ✓

Post Office Address: HC 79, Box 106C MELBA 83641 ✓

Source of Water: 2 WELLS

If ground water, well driller's name: FRANK SHELY, Jim DuFOE Date drilled: 1978, 1987

Extent of Use:
Domestic 1 (No. of households) Irrigation 4.0 (No. of acres)

Stockwater _____ (No. and type of stock) Other COMMERCIAL GREENHOUSE

HEATING & IRRIGATION, RESIDENCIAL HEATING, POOL

Total rate and/or volume for which proof is submitted 90 cfs _____ acre/feet

Show date water was first diverted and beneficially used under this permit. 12/83

One of the following may be a condition of approval of your permit:

Measuring device: Required? ☐ Yes ☐ No Installed? ☐ Yes ☐ No

OR

Flow Measurement Port: Required? ☒ Yes ☐ No Installed? ☐ Yes ☐ No

Fee Enclosed: \$ 100.00 (See License Examination Fee Schedule)

Person to contact to accompany the Department representative during the field examination

GARY SCHWISOW 896-4229
Name Telephone No.

HC 79, 106C MELBA 83641
Address

MICROFILMED

The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho

JUN 04 1990

4/5/90
Date

Gary Schwisow
Signature (and title if on behalf of a company or organization)

3/89

Drilling Permit No. 57-89-2-014Water Permit No. 57-7445

Injection Permit No. _____

State of Idaho
Department of Water Resources

DRILLING PERMIT

1. Applicant GARY & TERESA SCHWISOW
 2. Address HC 79 Box 106 C
MELBA 83641 Telephone 896-4229

☒ Well Owner ☐ Well Operator ☐ Other, specify _____

3. Proposed well location SW 1/4 SW 1/4, AND Gov't lot No. 1, 2 & 3,
 Sec. 8, Twp. 1N, Rge. 3W, County OWYHEE,
 Lot, block and subdivision _____

4. Proposed use of well: (Check all that apply)

☐ Domestic ☐ Stockwater ☐ Monitoring
 No. of households _____ No. of livestock _____

☐ Irrigation ☐ Industrial ☐ Municipal

☐ Injection ☒ Other, Specify COMMERCIAL

5. Well construction information:

☒ New well ☐ Deepen ☐ Replace

Proposed surface diameter 10" Maximum depth 1400'

Anticipated bottom hole temperature:

- ☐ 85°F or less (Cold water well)
☒ 85°F to 212°F (Low temp. geothermal well)
☐ 212°F or more (Geothermal well)

6. Anticipated construction start date SEPT 1989

7. Well Driller (if known) Johnson Drilling Co. / Dave Adamson - Shallow Drilling
 Address Melba, ID **NOTED** only - will start the hole

8. Applicant's signature Gary Schwisow JUN 04 1990

Title OWNER

Date 7/25/89

ACTION OF DEPARTMENT OF WATER RESOURCES

This Permit is

APPROVED

If approved, this permit authorizes the construction of a well subject to the following conditions:

GENERAL CONDITIONS

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from its date of issuance for the start of construction and is valid for one (1) year from the date of issuance for completion of the well unless an extension has been granted.
3. This permit does not constitute the approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Issuance of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.
8. If a bottom hole temperature of 85°F or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.

SPECIFIC CONDITIONS

9. Approval contingent upon attached letter dated October 25, 1989 referencing Well Construction Standard waivers and construction requirements.
10. Approval of this drilling permit does not authorize diversion and/or use of water from this well. Approval of an application for amendment will authorize diversion and use of water from this well.

Dated this

23

day of

January1990

Signed

Mark S. S. S.

Title

GroundwaterReceipt No. CD14180 Received by Kathy Fee 100.00 Date Jan 23 1990

EXTENSION OF DRILLING PERMIT

JUN 04 1990

Approval Date _____ Extension approved by _____

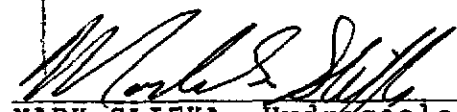
This extension is good for 60 days beyond the above extension approval date.

After evaluating the above request in light of available data, I conclude and recommend that the waivers to the minimum IDWR Well Construction Standards, 1989, be allowed Mr. Schwisow contingent upon his compliance with the following conditions:

1. That the conductor pipe, if utilized, be temporary and recoverable.
2. That a surface production string be set 50 feet into the Banbury Basalt (approximately 865 feet deep) and cemented to the surface.
- 3a. That a \$10,000 Bond be posted to the permitted depth (1400 feet) unless the Rhyolite aquifer is encountered between 1000 and 1400 feet.
- 3b. If the well encounters the Rhyolite aquifer while drilling deeper than 1000 feet the original Bond shall be increased to \$20,000.
4. This letter and attached permit authorizes the drilling of this well to 1400 feet. Prior to deepening this well a new drilling application, drilling procedure, and a \$20,000 bond must be received and approved by the IDWR. The \$20,000 bond must expire 12 months from date of issuance and will replace the original \$10,000 bond.
5. If a liner is used to case off the lower Idaho Group, Mr. Schwisow shall notify the IDWR in writing and provide such data as liner size and length, packer type, and location of packer in the intermediate casing string.
6. The Blowout Prevention equipment shall consist of a gate valve mounted on the production casing prior to drilling out the casing shoe. This valve shall be rated to at least 200 PSI and be capable of entirely stopping any flow of fluids from the well.
7. All casing strings (except optional liner) shall be properly cemented to the surface. Quality cement meeting or exceeding API standards for this application shall be utilized. It is strongly recommended that a professional well cementing service company be consulted to design this cement job by taking into account the formation permeabilities, temperatures, and pressures. The casing should be centralized in the hole and slowly rotated, and if possible moved up and down a few feet, to prevent vertical channeling of the cement slurry and thereby to improve the casing to well bore bonding.

RECEIVED

JUL 14 1999


MARK SLIFKA, Hydrogeologist
Groundwater Protection Section

TO: Lotwick Reese
FROM: Mark Slifka

Reference: Evaluation and Summary of Low Temperature Geothermal
Well Prospectus and Waiver Request SW1/4 Section 8
T1N, R3W, Owyhee County

Owner: Mr. Gary Schwisow
Date: October 25, 1989

Mr. Gary Schwisow visited with me on two occasions during mid-July 1989 to discuss his proposal to drill a third low temperature geothermal well on his property for use in his greenhouses. He suggested that due to the relatively low temperatures, pressures, and flow rates encountered in the area in the Upper and Lower Idaho groups, that some of the minimum requirements for a well drilled below 1,000 feet be waived.

Mr. Schwisow indicated that he desired to drill a well to approximately 1,400 feet and complete it openhole in the Lower Idaho Group of sediments. He also indicated that he would like the option at a later date to deepen the well to the Rhyolite located beneath the Lower Idaho Group. This Rhyolite is believed to be located at approximately 2,000 feet deep in this area and is known to have high flow rates due to high fracture permeability and water temperatures of approximately 150 degrees Fahrenheit (or greater).

I suggested he prepare a map of the wells in his area, a well bore schematic, and a brief written request for waiver, and submit those to me for further evaluation. These documents are attached. I have reviewed these documents and have discussed Mr. Schwisow's intentions and proposals with him. Mr. Schwisow has requested that the following regulation requirements be waived:

- 1) That the permanently cemented conductor pipe be eliminated.
- 2) That the surface casing requirement for a minimum 200 feet or 10%, whichever is greater to be reduced or eliminated.

Refer to IDWR Rules and Regulations, Well Construction Standards Section 4,3,2,2.

On October 18, 1989, I visited with Mr. Sherl Chapman in my office. Mr. Chapman was hired by Mr. Gary Schwisow to assist him in designing a low temperature geothermal well prospectus. Mr. Chapman informed me that the upper Idaho group's lower temperatures, pressures, permeabilities in this area would permit the formation to be cased with one string into the Banbury Basalt at approximately 865 feet. This would eliminate the surface casing and greatly reduce the cost of this well for his client.

MAILED
JUN 11 1990

Proposed L.T. Geothermal Well
Wellbore Schematic

Owner: Gary Schwisow

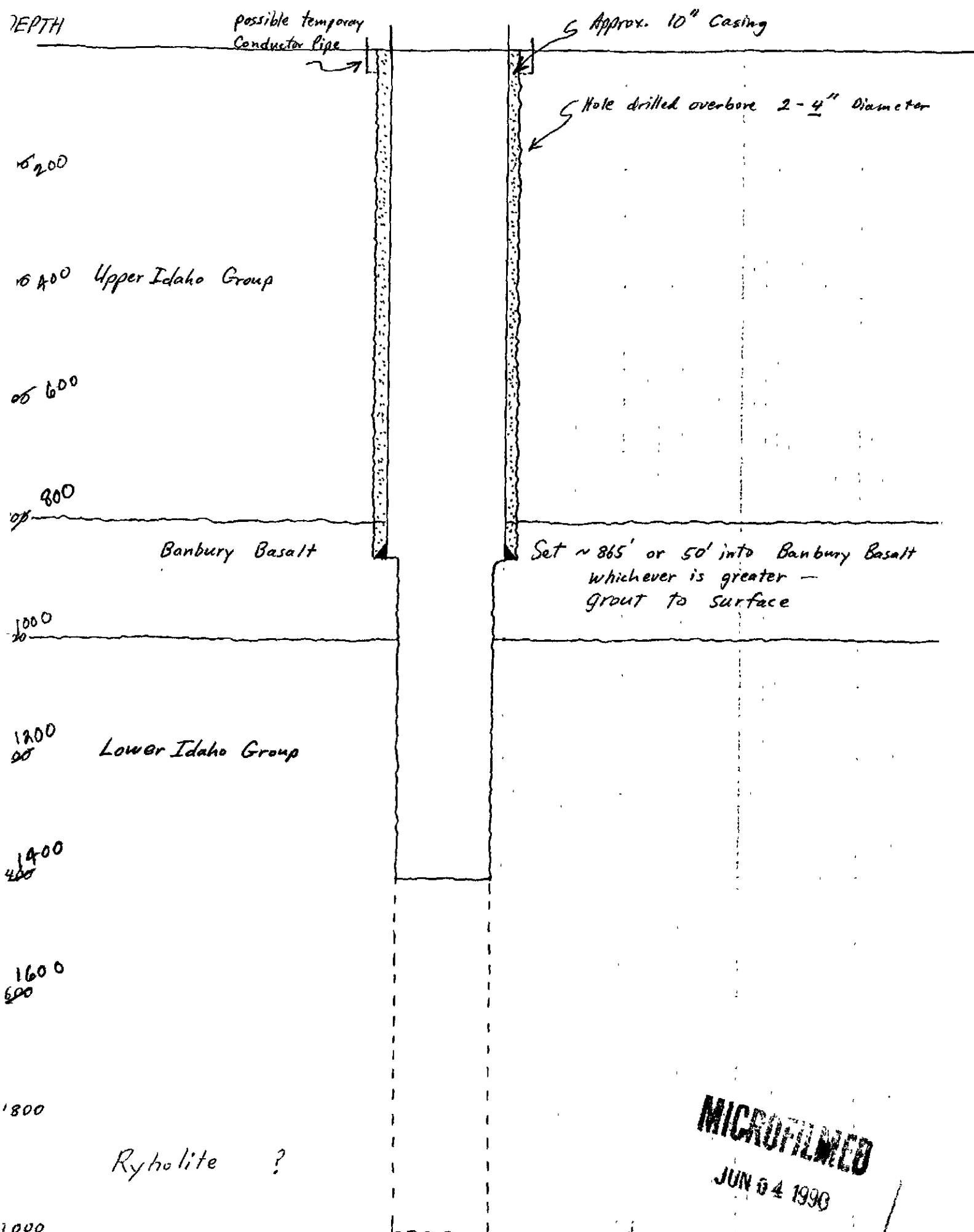
Vertical Scale: 1" = 200 feet

Prepared by: M. Stifka 10-24-89

SW/4 SW/4 Section 8

T1N R3W

Owyhee Co., Idaho



138531
March 31, 1990

GARY L. SCHWISOW
TERESA A. SCHWISOW
STAR RT. BOX 106 C
MELBA, ID 83641

PROOF DUE NOTICE

RE: PERMIT NO. 57-07445

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before June 1, 1990. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

Rita Fleck
Secretary/Records Manager

Enclosures

MICROFILMED

JUN 04 1990

FROM *Wlen*

DATE 2-20-90

TO File 57-7445

SUBJECT - From a discussion w/ *Bof Adams*
(896-4687),
a neighbor of Gary Schwisow, the
dept likely will be receiving
a written request to investigate
the effect of permit 57-7445
on adjacent

MICROFILMED

JUN 04 1990


SIGNATURE

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

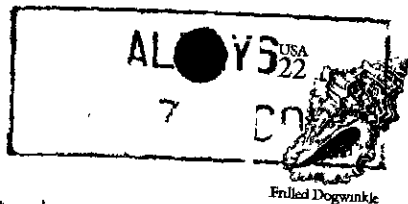
Permit No. 57-7445
Name(s) of Permit Holder(s): GARY L. E. TERPES
Post Office Address: HC 79
MELBA, ID. 83641 Tel. No. 896-4229

- ☐ I hereby certify that construction of diversion works for the above referenced permit began on DECEMBER 1985 I understand that I must
(date)
continue to develop the water system with due diligence to maintain a valid permit.
- ☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:

*Note: A financing difficulty is
not an acceptable reason

Date

Signature of Permit Holder



RECEIVED

SEP 17 1988



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JUN 04 1990

Department of Water Resources

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE

BOISE, IDAHO 83720



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS

GOVERNOR

R. KEITH HIGGINSON

DIRECTOR

April 20, 1988

Gary Schwisow
HC79, Box 106C
Melba, ID 83641

RE: Well Construction
57-7445

Dear Mr. Schwisow:

The Department has been informed that you and Mr. Holder may not be able to reach an agreement on your well. If this is the case, we need to know what action you plan to take concerning the well. The Department needs to know if the well is complete or if additional drilling is anticipated.

It is my opinion that a bond and drilling permit will be required if you drill the well deeper. Your early response will be appreciated.

Sincerely,

A handwritten signature in cursive script that reads "John E. Beal".

JOHN E. BEAL, Manager
Groundwater Protection Section

JEB:ldt(GP10-1.17)

MICROFILMED

JUN 04 1990



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

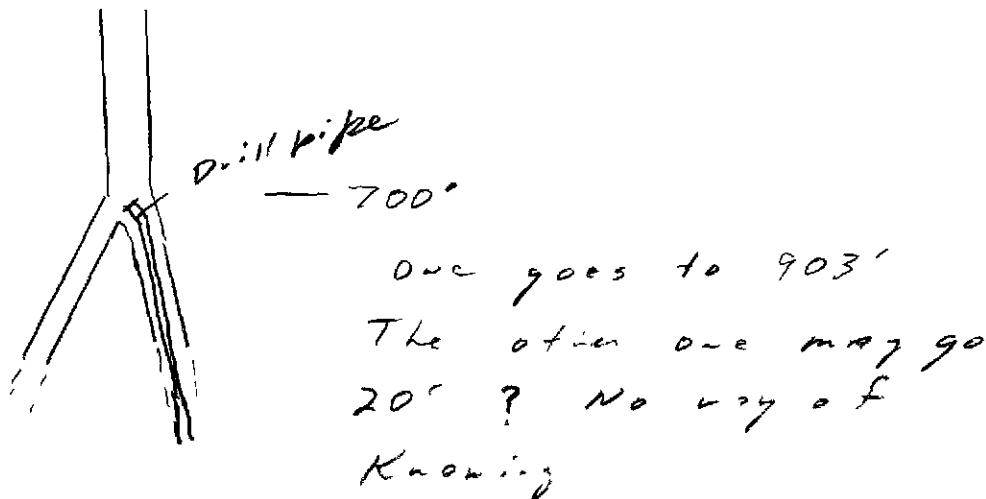
MEMORANDUM

TO: File 57-7445
FROM: John Beal *JB*
DATE: April 8, 1988
SUBJ: Conversation with Ed Holder

Ed Holder was in and told me the following:

- o He ran a camera down the Schwisow well. The well has two legs at 700'+ and he is unable to hook onto his drill pipe.

Mr. Schwisow has/is in the process of court action; therefore, Ed has no plans to return. He thinks this well is not salvagable.



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JUN 04 1990



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 22, 1988

Ed Holder
Holder & Son
811 W. Plymouth
Caldwell, ID 83605

RE: Schwisow Well
57-7445

Dear Ed:

When will you be able to move back on this well?

I need a formal letter or drilling prospectus from you. How deep will the well go? Will any additional casing be installed?

The Department is concerned that the well should be completed soon. Either you or Gary Schwisow should contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read 'John'.

JOHN E. BEAL, Manager
Groundwater Protection Section

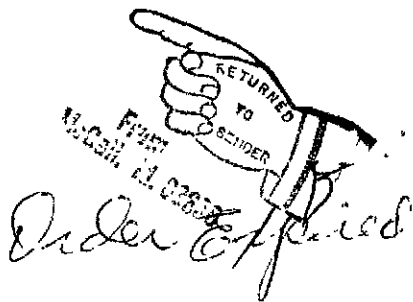
JEB:ldt

CC: Gary Schwisow

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JUN 04 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street
Boise, Idaho 83706-2237



*Ed Holder & Son
Box 1632
McCall, ID 83638*

Ed Holder & Son
Box 1632,
McCall, ID 83638

RECEIVED

FEB 29 1988

Department of Water Resources

JUN 04 1988

February 23, 1988

Gary L. Schwisow
HC 79, Box 106C
Melba, ID 83641

RE: Permit No. 57-7445

Dear Mr. Schwisow:

Since receipt of your letter dated January 8, 1988, you have generally discussed with Norm Young the matter of the well you are having drilled in Sec. 8, T1N, R3W, BM., Owyhee County. As you heard in Norm Young's testimony before the Senate Resources and Environment Committee, there are some practical problems for individual well owners in obtaining a bond for the life of a low temperature geothermal well. The likely result will be that the statute will be amended to address this bonding problem.

The emergency rule which was adopted in July 1987 was for the purpose of providing a smooth transition for wells being constructed prior to the effective date of the legislation. The emergency rules have expired and are no longer effective, but the intent of the department is to follow through with the original purpose of the emergency rule adoption when reasonable to do so.

The department is willing to consider that your change to a different well contractor is a continuation process of construction of the well which was started prior to the provisions of Section 42-233, Idaho Code becoming effective. The department will not require the bond at this point under the assumption that the existing statute will be amended. You need to recognize, however, that the amended statute may include some requirement for permanent or temporary bonding which can not be waived by this letter.

Before drilling is continued, you do need to submit to the department a drilling prospectus for review and approval, since one of the purposes of the amended ground water legislation was to assure protection of the low temperature geothermal resources. The prospectus needs to show the plan of accomplishing the additional work and the sealing plan.

The drilling prospectus should be submitted to the attention of John Beal in Groundwater Protection Section.

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JUN 04 1990

Gary L. Schwisow

-2-

February 23, 1988

Please feel free to contact this office if you have questions or if we can be of assistance.

Sincerely,

L. GLEN SAXTON
Chief, Operations Bureau

c: John Beal
W. Region
Ed Holder and Son
Dufoe Well Drilling

MICROFILMED

JUN 04 1990

Gary and Teresa Schwisow
HC 79, Box 106C
Melba, ID 83641
896-4229

January 28, 1988

R. Keith Higginson, Director
Department of Water Resources
1301 North Orchard Street
Boise ID 83706-2237

RECEIVED
FEB - 1 1988

Department of Water Resources

RE. PERMIT NO. 57-7445

Dear Mr. Higginson,

This letter is in response to L. Glen Saxton's letter dated January 21, 1988. Mr. Saxton says I am not covered by the "grandfather" provisions of Section 42-233, Idaho Code even though the drilling started before July 1, 1987. I will explain why I should be exempt due to the "grandfather" provisions thus Section 42-233, Idaho Code is not applicable.

Before drilling started Jim Dufoe (contracted driller) said he had received a copy of a new law affecting drillers and well owners. He was not certain this law did not affect us. I made a visit to DWR and talked with Norman Young. I questioned him on how this law would affect our new proposed well if we started drilling before July 1, 1987. Mr. Young stated the law was not clear on this point but indicated I would not have to comply if the well was started before July 1, 1987.

In October I learned from John Beal that an emergency ruling had been signed by Norman Young on July 2 for the Director, A. Kenneth Dunn. This ruling stated as long as the well was started before July 1, 1987 and finished before August 1, 1987 compliance with the new law was not necessary. To my knowledge this ruling was not published in the locally circulated papers or in the DWR Currents newsletter. Also, Well Drillers were not notified. Due to the lack of knowledge no action was taken to comply with the emergency ruling. The well drillers tell me it is impossible to complete a 1400 ft. well in one month.

In drilling this well we encountered a very hard basalt layer. Drilling was very slow (3-4 ft. per day). Mr. Chapman, a consulting geologist, suggested this Banbury Basalt was in the hundreds of feet thick. We then decided to change to a rotary driller to

MICROFILMED

JUN 04 1990

finish the well in a much quicker time frame. The rotary rig set up shortly after the cable tool was removed. Drilling with the rotary has also been slow due to problems with the driller locating enough drill pipe as well as many mechanical breakdowns. I feel frustrated by the length of time it has taken and have tried every way in my power to speed these drillers along. Our only source of income depends on using geothermal energy.

From the beginning our well was contracted with Dufoe Well Drilling to drill 1400 feet. Mr. Saxton's letter of January 21 states we have 'engaged a different drilling firm to deepen the well.' This is not the case. We are only continuing the drilling of an uncompleted well (see Dufoe's Well log). We changed contractors by mutual agreement with Jim Dufoe (at our considerable expense) to speed up the drilling process because we need the water. Our well is still not complete and has never been used.

Mr. Saxton suggests that since a new driller was contracted I will have to comply with Section 42-233. The reason for changing contractors was simply to speed up the process of completing the original project which was begun in June 1987. A faster completed well is definitely in my interest and I would think also in the interest of DWR due to Section 42-233.

If the DWR is going to require a \$5000 bond for the life of the well we will have to discontinue drilling. We don't have the money. Our plans to continue to operate our farm as usual as well as possibly expand our operation to the limits of our water permit will cease.

Before we started drilling in June I made an honest effort to comply with any rules I may be subject to. If Norman Young had told me of an impending emergency rule affecting my new well I could have contracted a rotary driller from the start. Also, if I would have known of this emergency ruling shortly after it was implemented I could have worked with the DWR to complete the well within the DWR informed consent.

My only motivation was to complete the well in a timely and cost effective manner and to comply with the rules. The well has never been used and has had a drillers rig parked over the top virtually continuously since starting. Please consider an extension to the emergency rule declaration of July 2, 1988.

MICROFILMED

Sincerely,

JUN 04 1990

Dary Shurson

January 21, 1988

Gary L. Schwisow
Star Rt., Box 106C
Melba, ID 83641

Dear Mr. Schwisow:

Re: Permit No. 57-7445

It is my understanding that both you and Jim Dufoe of Dufoe Well Drilling have contacted John Beal of this office relative to my letter dated January 4, 1988. Based on the information submitted to supplement the well log on file, the well as constructed to 903 feet deep appears to meet minimum well construction standards.

It is my understanding that after Dufoe Well Drilling removed his rig from the site, you have engaged a different drilling firm (Ed Holder and Son) to deepen the well. If this is the case, you are required to file a drilling permit and a bond for the life of the well with this department. The "grandfather" provisions of Section 42-233, Idaho Code, no longer exempt you from the bonding requirements. Enclosed for your use are bond forms. The bond required will be the minimum amount of \$5,000.

By copy of this letter, the department is advising Dufoe Well Drilling that their construction meets minimum well construction standards and is advising Ed Holder and son that deepening of the well is not authorized until you submit a drilling permit application for review and approval of the department. Included as part of the drilling permit submittal should be a written plan of the additional work proposed.

I want to emphasize again that addition work on the well is not authorized.

Please contact John Beal (phone 833-2835) of this office relative to the drilling permit requirement.

Sincerely,

L. GLEN SAXTON
Chief, Operations Bureau

c: Dufoe Well Drilling - 837 W. Lava
W. Region *ampa 83651*

Ed Holder and Son - Box 1632,
J. Beal *McCall 83638*

Enc: 2

1/20/88

To: Glen Sutton
From: John Beal

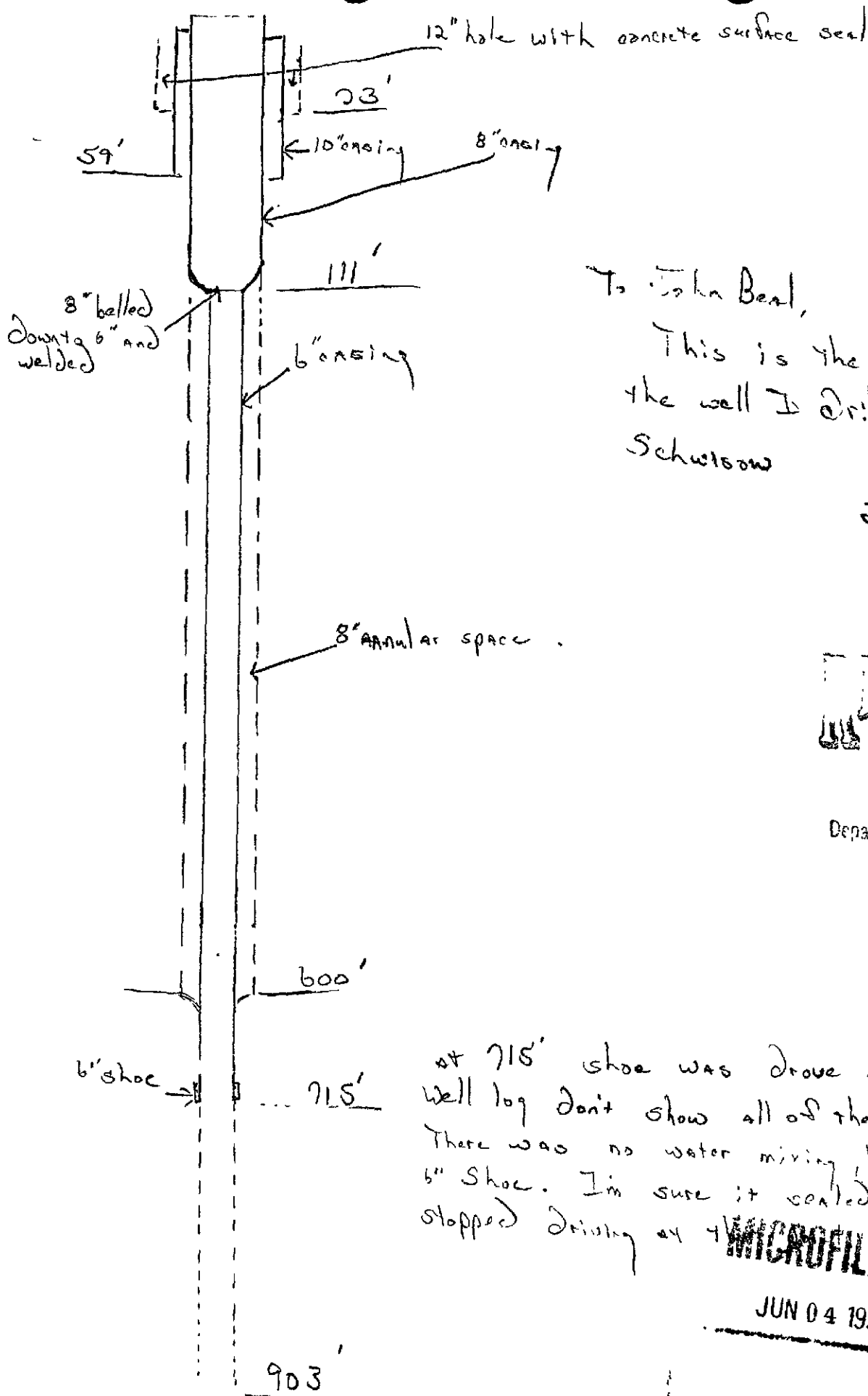
Re: Additional data submitted
by Driller DeLoe.
57-7445

- ① Well is still being worked on by rotary driller (shot down now due to cold weather).
- ② We could require well bore from 800 to 100' be filled - i.e. perforate casing & pressure grout. I do not recommend this, because I think the clay layers have already closed area up.
- ③ They plan open hole from 715' to 1400' (which is planned total depth).

What do we need to do?

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JUN 04 1990



To John Bear,
This is the drawing of
the well I drilled for Gary
Schwartz

Jim Daboe

RECEIVED
JUN 11 1990

Department of Water Resources

at 715' shoe was drove into sand stone.
Well log don't show all of these sand stone layers.
There was no water mixing by coming around
6" shoe. I'm sure it sealed off. Casing
stopped drilling at 715'

MICROFILMED

JUN 04 1990

1/12/88

Jin Dufoe -

Surface seal - 10 inch just at surface.

Went 59' puddling clay to 59'

Jin did not have much flow until 500 ft.

702' - 755' Gray Shale & sandstone -

Drove pipe into sandstone when driven into. No flow out side of casing.

Trind to Seal at 701 some water coming up out side of casing when driven into sandstone/shale flow stopped.

He will send in sketch & comments

MICROFILMED

JUN 04 1990

BEFORE THE DEPARTMENT OF WATER RESOURCES

NOTICE OF ADOPTION OF

EMERGENCY RULES

Notice is hereby given pursuant to Section 67-5203(b), Idaho Code, that on July 2, 1987, the Director of the Idaho Department of Water Resources adopted on an emergency basis rules which allow a brief transition period for compliance with provisions of Sections 42-235 and 42-233(2), Idaho Code.

The rules adopted are:

- Rule A. The owner of a well under construction prior to July 1, 1987, for which the drilling equipment is at the site and construction is ongoing, shall not be required to obtain a drilling permit pursuant to the provisions of Section 42-235, Idaho Code, provided that construction of the well is complete by August 1, 1987. The Director may extend the completion date for good cause. *drilling permit*
- Rule B. The owner of any low temperature geothermal well which is being modified or repaired prior to July 1, 1987, shall not be subject to the bond provisions of Section 42-233(2), Idaho Code, for completion of the modification or repair work provided the modification or repair work is complete by August 1, 1987. The Director may extend the completion date for good cause. *bond*

The rules are effective on July 2, 1987, and will remain effective for 120 days unless extended, formally adopted, or terminated by authorized written order of the Director.

A. KENNETH DUNN, Director

MICROFILMED

JUN 04 1990

January 4, 1988

Gary L. Schwisow
Star Rt., Box 106C
Melba, ID 83641

RE: PERMIT NO. 57-7445

Dear Mr. Schwisow:

On December 22, 1987, the department received the well log describing construction of the well under the above referenced permit.

A review of the well log indicates that the well likely was not constructed to minimum standards. More specifically, the log shows that a seal was apparently placed only 23 feet deep. If this is the case and there is intermingling of cold and warm water within the hole, repair work will be required. If the well was not constructed to minimum standards, the well driller's bond is potentially in jeopardy.

One of the conditions of approval of the water right permit also stated:

If a new well is needed to satisfy this permit, the permit holder shall submit to the department a drilling prospectus which includes proposed casing and grouting procedures for review and approval prior to the drilling of the well.

This condition of approval was not met since the prospectus was not submitted to the department. The department is authorized to cancel permits for failure to comply with the conditions of approval.

At this point, however, rather than cancel the permit and take steps to require repair or abandonment of the well, the department suggests you contact the driller to determine whether the log accurately describes construction of the well. The department then requests that you and the driller meet with us to determine the necessary steps relative to repair of the well and steps to prevent cancellation of the water right permit. In connection with any required repair work, you will need to post the bond required in section 42-233, Idaho Code.

MICROFILMED

JUN 04 1990

Gary L. Schwisow

-2-

January 4, 1988

Please schedule the suggested meeting at your earliest convenience but within thirty (30) days.

If you have questions, please feel free to contact me relative to the water right permit and John Beal of this office relative to well construction requirements that must be met.

Sincerely,

L. GLEN SAXTON
Chief, Operations Bureau

c: Dufoe Well Drilling

bc: John Beal

MICROFILMED

JUN 4 1990

WELL DRILLER'S REPORT

DEC 22 1987

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 Gary + Teresa Schwisow

Address Star Rt. Box 106C
Melba, Idaho 83641

Owner's Permit No. 57-89-C-0014-000

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

Well not completed
W.R. 57-07445
well to be completed by rotary

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal

☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

☐ Other Commercial (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary

☒ Cable ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

Thickness	Diameter	From	To
<u>2.50</u> inches	<u>10</u> inches	<u>1</u> feet	<u>59</u> feet
<u>2.50</u> inches	<u>8</u> inches	<u>18</u> feet	<u>111</u> feet
<u>2.50</u> inches	<u>6</u> inches	<u>111</u> feet	<u>715</u> feet

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

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

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 23 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 Top of casing

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

W

E

S

X

Subdivision Name _____

Lot No. _____ Block No. _____

County Owyhee

SE 1/4 SW 1/4 Sec. 8, T. 1, R. 3 E(W)

7. WATER LEVEL

Static water level Flowing feet below land surface

Flowing? ☒ Yes ☐ No G.P.M. flow 80

Artesian closed-in pressure 34 p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

Temperature 101 OF. Quality _____

Describe artesian or temperature zones below _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other Flowing

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>80</u>		

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
12	0	3	Top Soil		
13	3	5	hard pan		
13	5	17	gray clay		
12	17	23	brown clay		
10	23	32	brown clay		
10	32	59	blue shale		
8	59	126	blue shale		
8	126	226	blue clay		
8	226	237	per gravel & blue clay layers		
8	237	254	blue clay		
8	254	271	black sand & clay layers		
8	271	287	gray clay		
8	287	318	white sand & gray clay layers		
8	318	373	gray clay		
8	373	416	white sand & gray clay layers		
8	416	433	gray clay		
8	433	458	gray shale & white sand layers		
8	458	486	black clay - sticky		
8	486	496	gray clay		
8	496	539	gray shale & sand layers		
8	539	597	gray clay		
8	597	600	gray sand		
6	600	608	gray sand		
6	608	611	sand stone		
6	611	655	gray clay		
6	655	657	sand stone		
6	657	663	gray sand		
6	663	687	gray clay		
6	687	673	gray sand		
6	673	702	gray clay		
6	702	755	gray shale & sand layers		
6	755	771	sand stone		
6	771	774	gray clay		
6	774	783	gray clay		
6	783	717	black clay - sticky		
6	797	811	gray clay		
6	811	814	gray shale rock		
10	814	903	Basalt - a hard drilling		

Work started 6-23-87 finished 10-27-87

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name DuBoe Well Drilling Firm No. 399

Address 837 West 400 Date 12-9-87
Nampa, Idaho

Signed by (Firm Official) _____ and _____

(Operator) same

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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

DEC 22 1987

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.

Department of Water Resources

1. WELL OWNER

Name Gary + Teresa Schwisau
Address State Rt. Box 106C
Melba, Idaho 83641
Owner's Permit No. _____

7. WATER LEVEL

Static water level Flowing feet below land surface.
Flowing? ☒ Yes ☐ No G.P.M. flow 80
Artesian closed-in pressure 3 1/2 p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 101 OF. Quality _____
Describe artesian or temperature zones below _____2. NATURE OF WORK Well not completed

- ☒
- New well
- ☐
- Deepened
- ☐
- Replacement
-
- ☐
- Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

well to be completed by rotary

3. PROPOSED USE

- ☐
- Domestic
- ☐
- Irrigation
- ☐
- Test
- ☐
- Municipal
-
- ☐
- Industrial
- ☐
- Stock
- ☐
- Waste Disposal or Injection
-
- ☐
- Other
- Commercial
- (specify type)

4. METHOD DRILLED

- ☐
- Rotary
- ☐
- Air
- ☐
- Hydraulic
- ☐
- Reverse rotary
-
- ☒
- Cable
- ☐
- Dug
- ☐
- Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>.250</u> inches	<u>10</u> inches	<u>1</u> feet	<u>59</u> feet
<u>.250</u> inches	<u>8</u> inches	<u>1 1/2</u> feet	<u>111</u> feet
<u>.250</u> inches	<u>6</u> inches	<u>111</u> feet	<u>715</u> feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow 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 ☒ 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 23 Material used in seal: ☒ Cement grout☐ Bentonite ☐ Puddling clay ☐ _____Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld☐ Cemented between strataDescribe access port Top of casing

8. WELL TEST DATA

- ☐
- Pump
- ☐
- Bailer
- ☐
- Air
- ☐
- Other
- Flowing

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>80</u>		

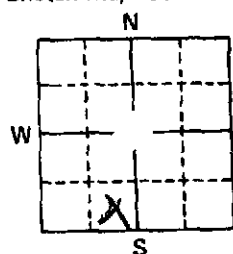
9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>12</u>	<u>0</u>	<u>3</u>	<u>Top Soil</u>		
<u>12</u>	<u>3</u>	<u>5</u>	<u>hard pan</u>		
<u>12</u>	<u>5</u>	<u>17</u>	<u>gravelly sand/clay</u>		
<u>12</u>	<u>17</u>	<u>23</u>	<u>brown clay</u>		
<u>10</u>	<u>23</u>	<u>32</u>	<u>brown clay</u>		
<u>10</u>	<u>32</u>	<u>59</u>	<u>blue shale</u>		
<u>8</u>	<u>59</u>	<u>126</u>	<u>blue shale</u>		
<u>8</u>	<u>126</u>	<u>226</u>	<u>blue clay</u>		
<u>8</u>	<u>226</u>	<u>237</u>	<u>per gravel/blue clay layers</u>		
<u>8</u>	<u>237</u>	<u>254</u>	<u>blue clay</u>		
<u>8</u>	<u>254</u>	<u>271</u>	<u>black sand/clay layers</u>		
<u>8</u>	<u>271</u>	<u>287</u>	<u>gray clay</u>		
<u>8</u>	<u>287</u>	<u>318</u>	<u>white sand/gray clay layers</u>		
<u>8</u>	<u>318</u>	<u>373</u>	<u>gray clay</u>		
<u>8</u>	<u>373</u>	<u>416</u>	<u>white sand/gray clay layers</u>		
<u>8</u>	<u>416</u>	<u>433</u>	<u>gray clay</u>		
<u>8</u>	<u>433</u>	<u>458</u>	<u>gray shale + white sand layers</u>		
<u>8</u>	<u>458</u>	<u>486</u>	<u>black clay - sticky</u>		
<u>8</u>	<u>486</u>	<u>496</u>	<u>gray clay</u>		
<u>8</u>	<u>496</u>	<u>539</u>	<u>gray shale/sand layers</u>		
<u>8</u>	<u>539</u>	<u>597</u>	<u>gray clay</u>		
<u>8</u>	<u>597</u>	<u>600</u>	<u>gray sand</u>		
<u>6</u>	<u>600</u>	<u>608</u>	<u>gray sand</u>		
<u>6</u>	<u>608</u>	<u>611</u>	<u>sand stone</u>		
<u>6</u>	<u>611</u>	<u>655</u>	<u>gray clay</u>		
<u>6</u>	<u>655</u>	<u>657</u>	<u>sand stone</u>		
<u>6</u>	<u>657</u>	<u>663</u>	<u>gray sand</u>		
<u>6</u>	<u>663</u>	<u>689</u>	<u>gray clay</u>		
<u>6</u>	<u>689</u>	<u>693</u>	<u>gray sand</u>		
<u>6</u>	<u>693</u>	<u>702</u>	<u>gray clay</u>		
<u>6</u>	<u>702</u>	<u>755</u>	<u>gray shale/sand layers</u>		
<u>6</u>	<u>755</u>	<u>774</u>	<u>sand stone</u>		
<u>6</u>	<u>774</u>	<u>783</u>	<u>gray clay</u>		
<u>6</u>	<u>783</u>	<u>797</u>	<u>black clay - sticky</u>		
<u>6</u>	<u>797</u>	<u>811</u>	<u>gray clay</u>		
<u>6</u>	<u>811</u>	<u>814</u>	<u>gray black rock</u>		
<u>6</u>	<u>814</u>	<u>903</u>	<u>Basalt - hard drilling</u>		

Work started 6-23-87 finished 10-27-87

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name JUN 04 1990

Lot No. _____ Block No. _____

County OwyheeSE 1/4 SW 1/4 Sec. 8, T. 1 N., R. 3 E.

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name D. Doe Well Drill Firm No. 399Address 837 West 400 Nampa, Idaho Date 12-9-87Signed by (Firm Official) [Signature]and
(Operator) same

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

SCHWISOW, GARY L. & TERESA A.
STAR RT. BOX 106 C
MELBA, ID 83641

JULY 03, 1985

RE: PERMIT NO. 57-7445

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

BE SURE TO NOTE THE SPECIAL CONDITION REQUIRING YOU TO INSTALL A MEASURING DEVICE, OR A FLOW MEASUREMENT PORT TO PROVIDE FOR THE INSTALLATION OF MEASURING EQUIPMENT BY THE DEPARTMENT. ENCLOSED PLEASE FIND A LIST OF MEASURING DEVICE OPTIONS, AND SPECIFICATIONS FOR THE INSTALLATION OF THE FLOW MEASUREMENT PORT.

PLEASE NOTE THE REQUIREMENT THAT AS A PERMIT HOLDER YOU MUST COMMENCE THE THE EXCAVATION OR CONSTRUCTION OF DIVERTING WORKS WITHIN ONE YEAR OF THE DATE THE PERMIT WAS ISSUED, AND YOU MUST PROCEED DILIGENTLY UNTIL THE PROJECT IS COMPLETED. THE ENCLOSED BLUE CARD MUST BE COMPLETED AND RETURNED TO THIS OFFICE AS SOON AS YOU COMMENCE CONSTRUCTION, NO LATER THAN ONE YEAR FROM THE DATE THE PERMIT WAS APPROVED.

WE HAVE ENCLOSED A FORM ENTITLED "INSTRUCTIONS FOR PROOF OF BENEFICIAL USE". PLEASE READ THE INSTRUCTIONS CAREFULLY SINCE YOU MUST TAKE FURTHER ACTION TO DEVELOP THIS PERMIT INTO A LICENSE.

MICROFILMED

RE: PERMIT 57-744-

 PAGE 01
JULY

03, 1985

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

ENCLOSURE

MICROFILMED

MEMORANDUM

TO: File 57-7445
FROM: John Beal *JB*
DATE: June 13, 1985
SUBJ: Permit Conditions

It appears that these wells are already constructed. The attached well logs may be for this application.

The following conditions should be included for the hot water well portion of the permit:

"An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion and pressures by the Department.

★ Return flow if discharged to a subsurface system must be authorized by a separate injection well permit, and return flow if discharged to a surface water system shall meet Idaho Water Quality Standards. Surface discharge must be permitted or approved by the U.S. Environmental Protection Agency.

★ The Director retains jurisdiction of this permit and may require re-injection of the water if determined to be necessary for protection of the resource or other water rights.

★ If a new well is needed to satisfy this permit, the permit holder shall submit to the Department a drilling prospectus which includes proposed casing and grouting procedures for review and approval prior to the drilling of the well."

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
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.

USE TYPEWRITER OR
RECEIVED
DEC 1 1983

1. WELL OWNER Name <u>Hester & Ruth Gildersleeve</u> Address <u>HC 82 Box 104C, Melba, ID 83441</u> Owner's Permit No. _____	7. WATER LEVEL Department of Water Resources Static water level _____ feet below land surface. Flowing? ☒ Yes ☐ No G.P.M. flow <u>275</u> Artesian closed in pressure <u>15</u> P.S.I. Controlled by ☒ Valve ☐ Cap ☐ Plug Temperature <u>96</u> °F Quality <u>1 grain sediment</u> Describe artesian or temperature source 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 <u>Artesian flow</u> <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><u>275</u></td> <td></td> <td></td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>275</u>																																																																																																					
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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
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.

RECEIVED
DEC 1 1983

1. WELL OWNER Name <u>Alice V. Stanley</u> Address <u>P.O. Box 863 - Sun Valley, Idaho 83353</u> Owner's Permit No. _____	7. WATER LEVEL Department of Water Resources Static water level _____ feet below land surface Flowing? ☒ Yes ☐ No G.P.M. flow <u>275</u> Artesian closed-in pressure <u>15</u> p.s.i. Controlled by ☒ Valve ☐ Cap ☐ Plug Temperature <u>99</u> °F Quality _____ Describe strata 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 <u>Artesian</u> ☐ Pump ☐ Bailer ☐ Air ☐ Other <u>Flowing</u> <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><u>275</u></td> <td></td> <td></td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>275</u>																																																																		
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MICROFILMED

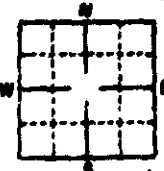
Form 230 7
9-82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
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.

USE TYPEWRITER OR

RECEIVED
DEC 21 1983

1. WELL OWNER Name <u>Hester & Ruth Gildersleeve</u> Address <u>HC 82 Box 104C, Melba, IDA 83644</u> Owner's Permit No. _____		7. WATER LEVEL Department of Water Resources Static water level <u>6</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>64</u> °F. Quality _____ Describe artesian or temperature record 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 ☒ Bailor ☒ Air ☐ Other _____ Discharge G.P.M. <u>25 gpm</u> Pumping Level <u>100'</u> Hours Pumped <u>2</u>																															
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6. LOCATION OF WELL Sketch map location must agree with verbal location.  Subdivision <u>Gov. Subdivision</u> Lot No. _____ Block No. _____ County <u>Cayuse</u> <u>Gov. Subdivision</u> <u>Sec. 8, T. 1, R. 3 E.</u>																																	

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: 6LS APPLICATION NUMBER: 57- 7445

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.

Field check by: _____

Date: _____

Comments: _____

☐ Yes ☐ No Field check required.

☐ Yes ☒ No Critical groundwater area.

☐ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____

☒ Yes ☐ No* In form to receipt.

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☐ Idaho State Health Department. Copies sent by: _____ Date: _____
☐ Idaho Fish and Game Department. _____
☐ Idaho Department of Lands. _____
☐ U.S. Bureau of Land Management. _____
☐ U.S. Forest Service. _____
☐ Other _____

PROCESSING:

- ☐ Yes ☐ No Platted by: _____ Map No. _____
☒ Yes ☐ No Other rights on same place of use. 57-7211 For Irrigation only
☒ Yes ☐ No* In form for advertising.
Final date for protests: may 27 1985
☐ Yes ☐ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 5/11/85
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application. 451 36054
☒ Publication dates and paper, recorded on application. Cumputer Avalanche
☐ Protests, dates, withdrawal, etc., recorded on application. 5/8 & 5/15/85
☒ Recommendation & initial, recorded on application.
☐ Yes ☒ No Measuring device required.
☒ Yes ☐ No Access port required.
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what district? _____
☒ 4/29/85 Date of priority recommended.
Special conditions of approval or cover letter. I.P. GW letter

(26)

app. not in S.F. area

By: QBS

Date: 5/28/85

STATE OFFICE REVIEW:

103, 117

26 010

John me

- ☐ See attached sheet for more information.

By: KW

Date: 6/18/85

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RECEIVED
MAY 29 1985

Department of Water Resources

POINT OF DIVERSION AND STREAM INDEX INFORMATION

TRACT SEC TWP RGE gov't rediv. REACH
lot (R)

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv. REACH
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lot (R)

IDAHO STREAM CODE INDEX

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Western Region

Statehouse
Boise, Idaho 83720
(208) 334-2190

MAY 2, 1985

OWYHEE AVALANCHE
P O BOX 97
HOMEDALE ID 83628

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before MAY 27, 1985.

Yours truly,

JUDY FENSE
Secretary

Encl.

MICROFILMED

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 27, 1985.

KEN DUNN, Dir.

Published 05/08 & 05/15/85.

MICROFILMED

52-2445-

SCHWISOW, GARY L. &/or TERESA A.

STAR RT. BOX 106 C. MELBA, ID 83641

Source: GROUNDWATER

Date Filed: 04/29/1985

Diversion Pt: LOT 01 (SESW) Sec 08 T 01N R 03W

Use: COMMERCIAL (0.90 CFS)

In: LOT 02 (NESW) LOT 03 (NWSW) LOT 01 (SESW) Sec 08 T 01N R 03W

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