

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



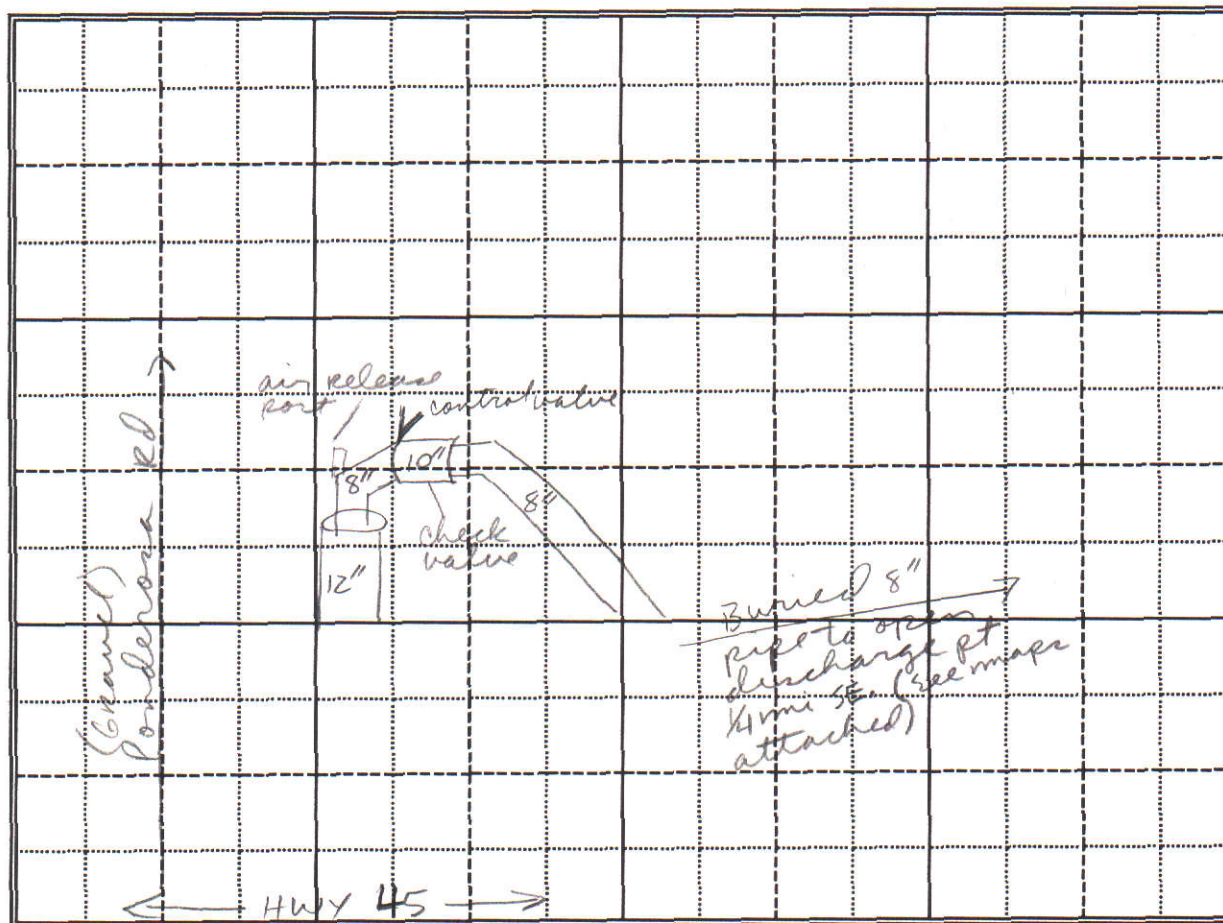
Scale: 2 inches equal 1 mile.

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.

Norman Sholt
(Applicant)

JUN 04 1993

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



Scale: 1" = _____

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

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

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Hitachi	40		8T 900	
				BERKELEY	

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

D. FLOW MEASUREMENTS

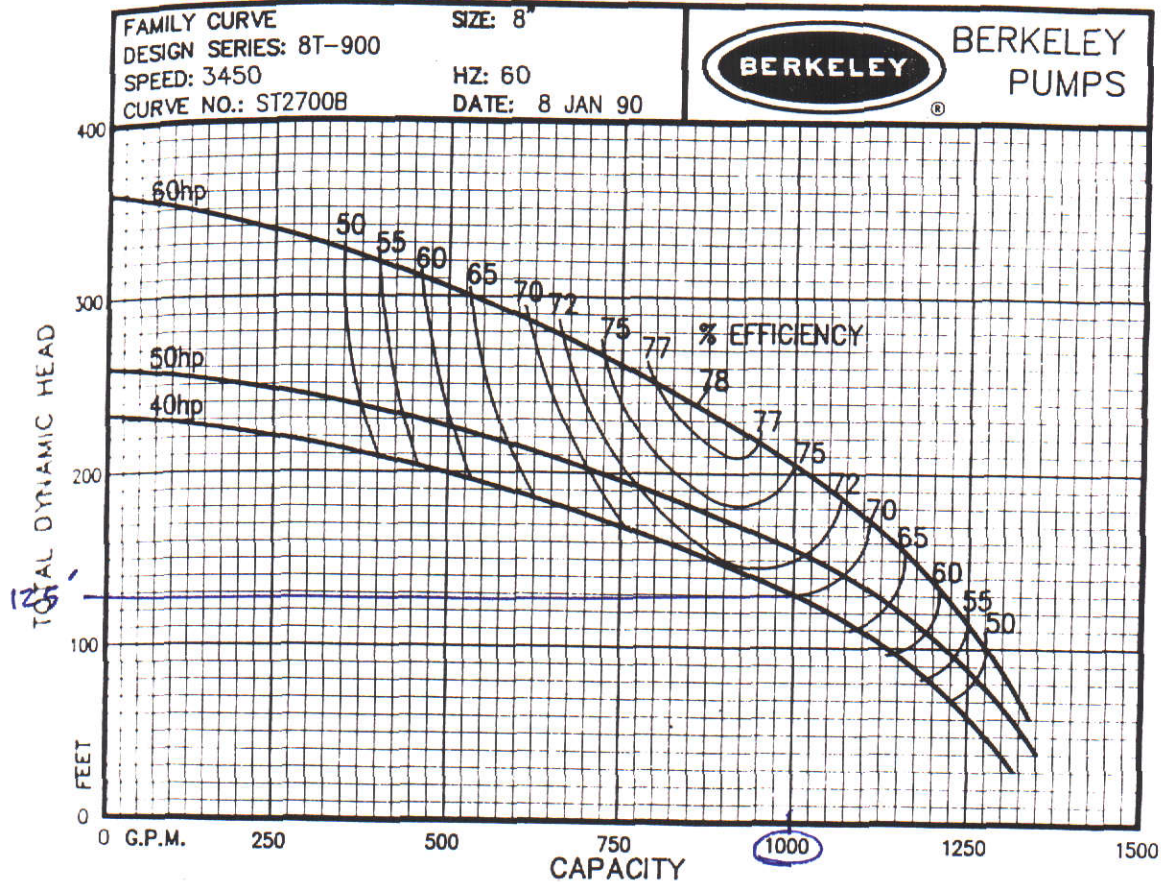
1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: Pump Curve attached
(Info provided by Tracy Pump Co.)

FEB 16 1995

Submersible Turbine Model 8T-900



Specifications

*pump set @ 110' per Tracy Pump Co.
 Assume TDH 10' above (small system) pump level
 + 25' elevation lift to discharge point = 125' TDH*

LIQUID END WEIGHTS

DESCRIPTION	WEIGHT LBS.	HP RATING	MOTOR FLANGE
ONE STAGE L.E.	86.6	40-60	6"
ONE STAGE L.E.			
ONE STAGE L.E.			
EACH ADDED STAGE	29.0	ALL	ALL

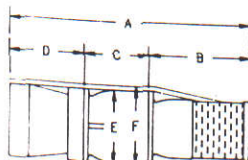
CURVE No. ST2700B

IMPELLER DATA

TYPE: ENCLOSED EYE AREA 12.14 Sq. In.
THRUST CONSTANT K 4.65 Lbs./Ft of HEAD.

HP	IMPELLER No.	STAGES	IMPELLER Dia.
60	P5-35DF	3	5.87" @ 26" (5.00")
50	P5-35DA	2	6.05" @ 26" (5.19")
40	P5-35DB	2	5.76" @ 26" (4.88")

OUTLINE DIMENSIONS



- A- ONE STAGE LIQUID END LENGTH
- B- SUCTION CONNECTION LENGTH
- C- STAGE LENGTH
- D- DISCHARGE CONNECTION LENGTH
- E- BOWL DIAMETER
- F- DIAMETER ACROSS LEAD GUARD

BOWL DATA

BOWL No. P1-83 PUMP SHAFT Dia. 1 3/16"
TYPE: THREADED DISCHARGE SIZE 6" NPT

NOTE: For each additional stage add 'C'

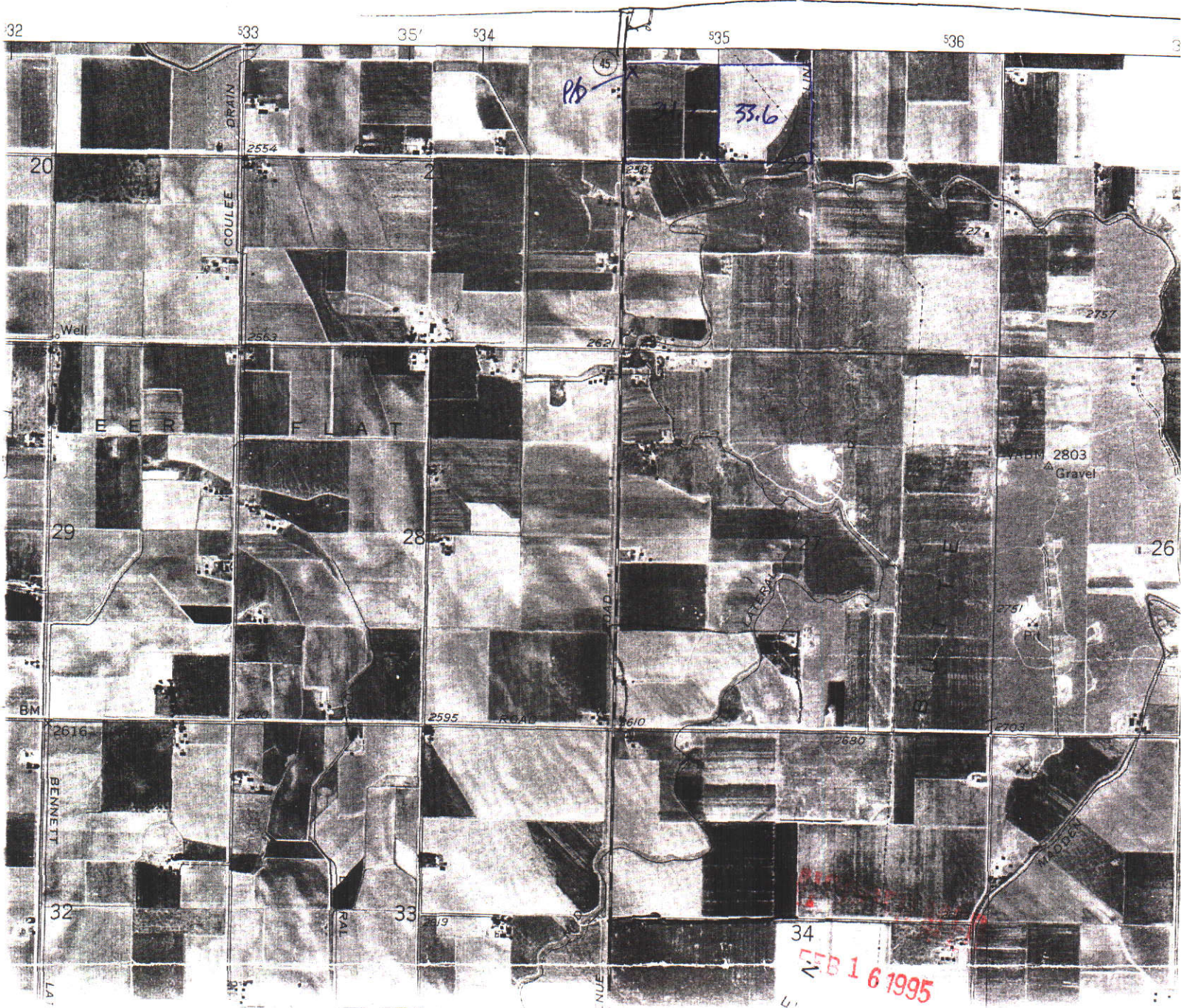
A	B	C	D	E	F	HP RATING	MOTOR FLANGE
22.75	12.50	6.75	3.50	7.38	7.81	40-60	6"

REVISED 9 JAN 90

AB605-4

RESOURCES

R



T3533

T3367

2
12.0

H/NW

7
5.6

6
22.9

H/NW

T3534

2
10.3

1
6.1

5
8.2

6
17.6

3
12.0

4
5.8

1
70.3

4
8.3

H/NW

5
5.0

T3780

NW

1
2.8

T5484 5
5.5

H/NW

4
8.3

H/NW

3
19.9

NW

H/NW

H/NW

5
9.3

6
28.7

6
29.9

7
21.6

T3781

NW

T3573

H/NW

1
21.0

2
7.2

3
9.0

1
10.0

T3574

H/NW

H/NW

H/NW

RECORDED
FEB 16 1995

Discharge
Point

Gated pipe
Un-gated pipe

22.9

22 23

27 26

28

T4040

H/NW



12" well
40 HP submersible pump - 8T 900 Berkeley

RECEIVED
FEB 16 1995

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-11490

Priority: February 28, 1991

Maximum Diversion Rate:

1.36 CFS

This is to certify, that NORMAN SHROLL
7130 HWY 45

NAMPA ID 83686

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated February 28, 1991; and has submitted Proof of Beneficial Use on May 20, 1992. An examination indicates that the works have a diversion capacity of 2.230 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>
-----------------------	----------------------	--------------------------	----------------------

IRRIGATION	03/15 to 11/15	1.36 CFS	
------------	----------------	----------	--

LOCATION OF POINT(S) OF DIVERSION:

SWNW , Sec. 22, Township 02N, Range 02W
CANYON 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>
02N	02W	22	SWNW 34.2	SESW 33.6		67.8

Total number of acres irrigated: 67.8

CONDITIONS/REMARKS:

1. This water right is appurtenant to the described place of use.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. The right holder shall use the full allotment of appurtenant surface water rights, to the extent they are available, in conjunction with groundwater diverted pursuant to this right.
5. This right to divert groundwater shall not be used if the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use without the approval of the Department.
6. This right when combined with all other rights shall provide no more than .02 cfs per acre nor exceed a combined annual diversion volume of 305.1 af for the lands above.

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 2ND
day of FEBRUARY, 1995.

Acting for

R. Keith Higginson, Director

FEB 16 1995

APPROVED

State of Idaho
Department of Water Resources

RECEIVED

JAN 18 1995

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 63-11490

Department of Water Resources

Date of Priority: February 28, 1991
Comes now NORMAN SHROLL
7130 HWY 45
NAMPA ID 83686

Maximum Diversion Rate: 1.36 CFS

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 63-11490, and requests that the permit be changed as follows:

Source: GROUNDWATER

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	1.36 CFS	

LOCATION OF POINT(S) OF DIVERSION:

SWNW , Sec. 22, Township 02N, Range 02W
CANYON 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>
02N	02W	22	SWNW 34.2	SEnw 33.6		67.8

Total number of acres irrigated: 67.8

RECEIVED

FEB 16 1995

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at Boise, this 18 day of Jan, 1995.

Norman Shroll
(Signature)

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 63-11490

FOR DEPARTMENT USE ONLY

Preliminary check by PC Fee = 50⁰⁰ Received by RT #C031994 Date 1-18-98 ✓

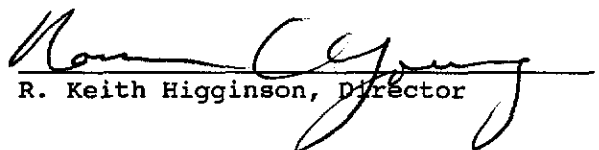
ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, R. Keith Higginson, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 63-11490 with the following;

CONDITIONS/REMARKS:

1. This water right is appurtenant to the described place of use.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. The right holder shall use the full allotment of appurtenant surface water rights, to the extent they are available, in conjunction with groundwater diverted pursuant to this right.
5. This right to divert groundwater shall not be used if the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use without the approval of the Department.
6. This right when combined with all other rights shall provide no more than .02 cfs per acre nor exceed a combined annual diversion volume of 305.1 af for the lands above.

Witness my hand this 2ND day of FEBRUARY, 1998.


R. Keith Higginson, Director

RECEIVED
FEB 16 1998

RECEIVED
MAY 20 1992

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

RECEIVED
MAY 22 1992

Department of Water Resources
Western Regional Office

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.

1. Permit No. 103-11490 Telephone No. 466-3034
2. Name(s) of Permit Holder(s): NORMAN THORON
3. Post Office Address: 2130 HWY. 45, NAMPA, ID 83686
4. Source of Water: GROUNDWATER
 - a. If ground water, well driller's name: DAVE ADAMSON Date drilled: 3-6-92
 - b. Pump horsepower: 40 HP Pressure (psi): MAX. 32PSI Dynamic pumping level (ft.): SWL - 52'
5. Extent of Use:

Domestic _____ (No. of households)	Irrigation <u>80</u> (No. of acres)
Stockwater _____ (No. and type of stock)	Other _____
6. Total rate and/or volume for which proof is submitted 1.6 cfs _____ acre/feet
7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device:	Required? ☒ Yes ☐ No	Installed? ☒ Yes ☐ No	<u>ACCESS PORT</u>
	OR		
Flow Measurement Port:	Required? ☒ Yes ☐ No	Installed? ☒ Yes ☒ No	
8. Fee Enclosed: \$ 125 (See License Examination Fee Schedule)
9. Person to contact to accompany the Department representative during the field examination:

JAMK AS ABOVE
Name

Telephone No. _____

Address _____

10. 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.

5-20-92
Date

[Signature]
Signature (and title if on behalf of a company or organization)

RECORDED
JUN 12 1992

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 63-11490

Proposed Priority: February 28, 1991 Maximum Diversion Rate: 1.60 CFS

This is to certify, that **NORMAN SHROLL**
7130 HWY 45
NAMPA, ID 83686

has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
-----------------------	----------------------	--------------------------

IRRIGATION	03/15 to 11/15	1.60 CFS
------------	----------------	----------

LOCATION OF POINT(S) OF DIVERSION: SENW Sec. 22, Township 02N, Range 02W
CANYON 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>
02N 02W 22	SWNW 40	SESW 40		80

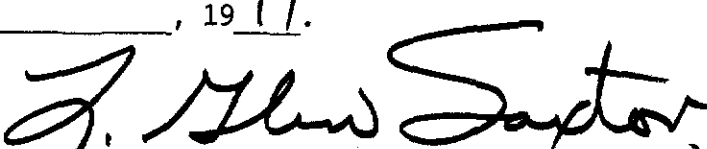
Total number of acres irrigated: 80

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 1993.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. Prior to the diversion of water under this permit a flow measurement port or other device as specified by the Department shall be installed to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
5. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this

23rd day of May, 1991.

for 
R. Keith Higginson, Director

JUN 04 1991

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

63-11490
Ident. No. 63-11490

To appropriate the public waters of the State of Idaho

1. Name of applicant Norman Shroll Phone 466-3084
Post office address 2130 Hwy 45 Nampa ID 83686
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is _____ 1/4 of SE 1/4 of NW 1/4, Govt. Lot _____
Sec. 22 Township 2N Range 2W B.M. Canyon County; additional
points of diversion if any: _____
4. Water will be used for the following purposes:
Amount 1.6 for IRRIGATION purposes from 3/15 to 11/15 (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 is (a) 1.6 and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc. DRIED Well into gravity flow
irrigation system.
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.
 - c. Proposed well diameter is 10" inches; proposed depth of well is 200' feet.
 - d. Is ground water with a temperature of greater than 90°F being sought? No
7. Time required for the completion of the works and application of the water to the proposed beneficial use is
2 years (minimum 1 year).

JUN 04 1986

8. Description of proposed uses (if irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. _____
- Stockwatering; list number and kind of livestock. _____
- Municipal; show name of municipality. _____
- Domestic; show number of households. _____
- Other; describe fully. _____

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of the use (example: *D* for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
02N	02W	22							40	40									80 ac

Total number of acres to be irrigated 80 ac.

10. Describe any other water rights used for the same purposes as described above. IRRIGATION Prior Water

SW QUARTER - Nampa - Meridian; SE QUARTER; Boise - Kuna

11. a. Who owns the property at the point of diversion? Applicant

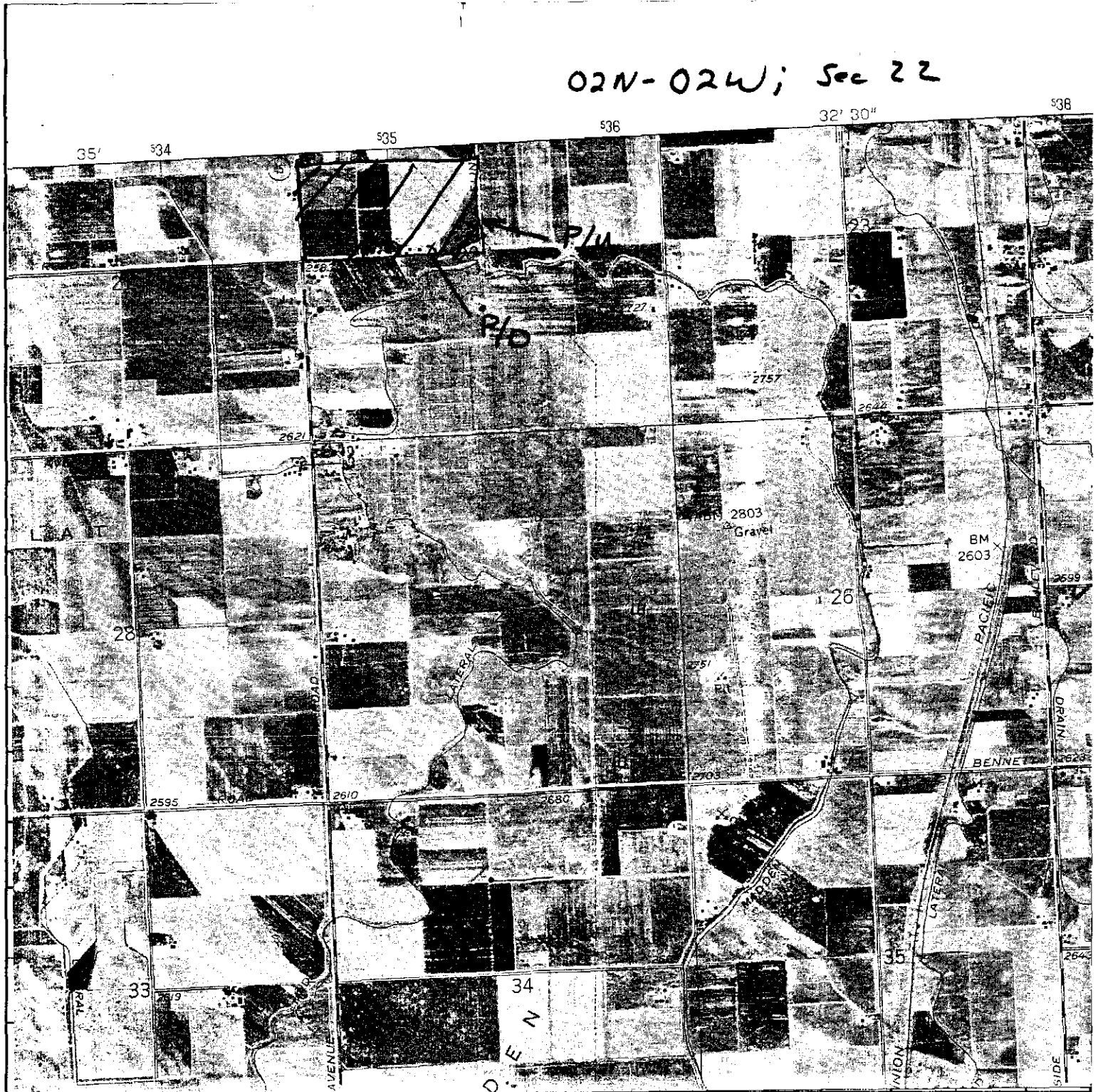
b. Who owns the land to be irrigated or place of use? Applicant

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: Supplemental water to irrigation Dist.

JUN 04 1991

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



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.

Norman Scholt
(Applicant)

Received by JFW Date 2/28/91 Time 9:30 AM Preliminary check by CH
Fee \$ 65.02 Received by JFW # W013060 Date 2/28/91
Publication prepared by GG Date 3-27-91 Published in Press-Tribune
Publication approved ST Date 4-23-91
4/3 & 4/10/91

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. _____, and said application is hereby _____.

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 _____, 19 ____.

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. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other:

JUL 04 1991



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

February 3, 1995

NORMAN SHROLL
7130 HWY 45
Nampa ID 83686

RE: WATER RIGHT NO. 63-11490

Dear Water Right Holder(s):

Enclosed is a copy of the Water Right License issued on the above referenced permit along with a copy of your approved Application for Amendment.

Should you have any questions regarding these documents, please contact me.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosure

MICROFILMED

FEB 16 1995

M E M O R A N D U M

DATE: December 29, 1994

TO: File 63-11490

FROM: Shelley W. Keen *SWK*

RE: Licensing Amendment

=====

Mr. Norman Shroll called today from 466-3034 to inquire about the need to file a licensing amendment to correct the point of diversion for 63-11490. I explained to him that the permit had listed the point of diversion in the SENW, whereas our field examiner had found the well to be in the SWNW.

Mr. Shroll also was interested in how we arrived at 67.8 acres for his place of use. I explained that the field examiner used the 67.8 acres on the ASCS photography in her possession. Mr. Shroll said that he is assessed for 72 acres by the irrigation district.

Mr. Shroll asked for a little extra time to determine if our figures are accurate. When I suggested January 20, 1995, he said he could respond by then.

RECEIVED

FEB 16 1995



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

December 20, 1994

NORMAN SHROLL
7130 HWY 45
NAMPA ID 83686

RE: WATER RIGHT NO. 63-11490

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed Application for Amendment contains information that will be included on the license when it is issued. The amendment reflects a change in the location of the point(s) of diversion. Please review carefully and if you concur, sign the amendment and return with the \$50.00 filing fee within 14 days.

The last page of the Application for Amendment form contains a list of CONDITIONS/REMARKS proposed for the license when it is issued. These conditions/remarks may be modified upon further administrative review.

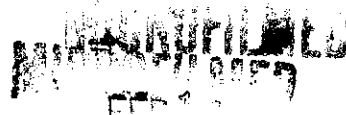
If you do not concur or have any questions with this information, please contact me as soon as possible. My telephone number is (208) 327-7947.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:dc

Enclosure



FEB 16 1995

LICENSE REVIEW CHECKLIST



PERMIT NO. 63-11490 DATE 12-15-94

NAME	Yes ☐ No ☒	Or Address Change?
PRIORITY DATE	☐ ☒	Advance? ☐ Advanced to: ☐ Order to reinstate needed? ☐ Incorrect fee for rate recommended? <u>NO</u>
SOURCE	☐ ☒	Changes or just clarification of originally intended source? ☐ Notice of Intent to Void necessary? ☐
POINT OF DIV	☒ ☐	Amendment needed? <u>CHANGE TO SWNW of SEC 22</u> Overlaps? ☐
PLACE OF USE	☐ ☒	Amendment needed? ☐ Overlaps? <u>Surface water Nampa/Meridian TRR</u>
DIV RATE	☐ ☒	Permit/fee limits: <u>1.6 CFS</u> Meas Q = <u>1000 gpm per pump curve = 2.23 CFS</u> Theo Q = <u>67.8 x .02 = 1.36</u> Recommend: <u>1.36 CFS</u> Combined rates exceed capacity ☐
ANNUAL VOLUME	☐ ☒	Season of use: <u>D/4.5 (3-15 to 11-15)</u> Calculations: <u>67.8 x 4.5 = 305.1</u> Flow limit: ☐ cfs x ☐ x 1.9835 = ☐ Combined volumes exceed capacity/allowable ☐
USES	☐ ☒	Change in Nature of Use or additional uses? ☐ Amendment necessary? ☐
REMARKS	<u>WB3/WB8/WB7</u>	Multiple p/d(s) in 1/4 1/4? ☐ Other <u>305.1</u>
CONDITIONS	☐ ☒	Measuring/Locking Devices ☐ Watermaster control - District ☐ Irrigation Overlap ☐ Water Quality ☐ Other ☐ Heat/Cool/ Fish verified ☐
COMMENTS:	<u>Supplemental G4</u>	

RECOMMENDED	CFS	VOL	SRBA Claim Filed	<u>NO</u>
<u>Irrigation</u>	<u>1.36</u>	<u>---</u>	Adjustment Memo Needed	<u>YES</u>
---	---	---	LICENSE	
---	---	---	1ST AMENDMENT LETTER	<u>P39+P38</u>
---	---	---	FINAL AMENDMENT LETTER	<u>P47</u>

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
OCT 31 1994

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 63-11490

1. Owner: Norman Schroll Phone No. 466-3034

Current Address: 7130 Hwy 45 Nampa 83686

2. Accompanied by: — EXAM DATE: 11/3/93

Address: — Phone No. —

Relationship to Permit Holder: —

3. Source: Ground Water tributary to —

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-02388

2. Other water rights with the same point of diversion: —

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	NW	22	2N	2W	Canyon	USGS Quad ASCS Photo

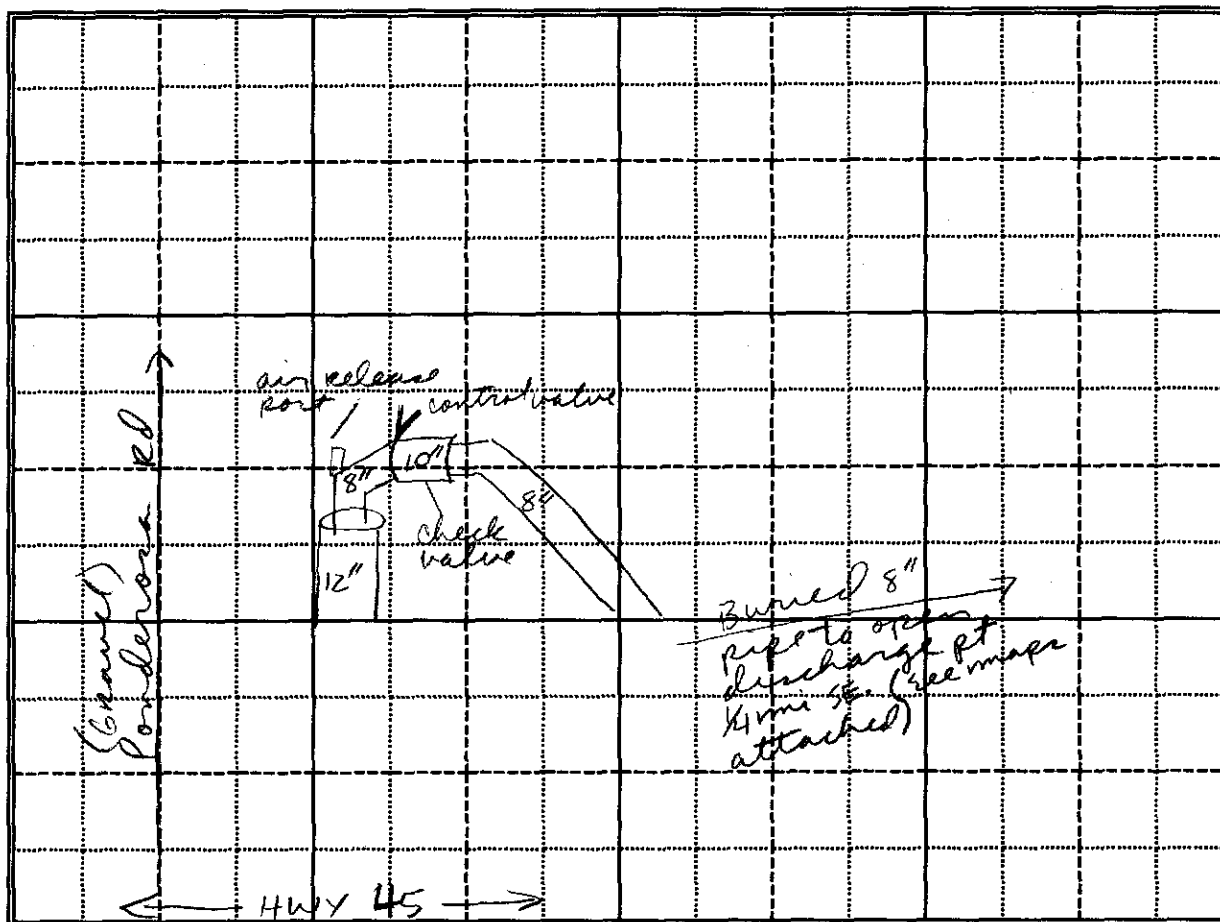
2. Place(s) of Use:

Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	2W	22							34.2	33.6									67.8

RECEIVED
FEB 16 1995

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



Scale: 1" = _____

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

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

Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Hitachi	40		8T 900	
				BERKELEY	

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

Pump Curve attached
(Info provided by Tracy Pump Co.)

FEB 16 1995

E. NARRATIVE/REMARKS/COMMENTS

A 12" well with a 40 HP submersible Berkeley pump supplies water to 67.8 acres via ditch, siphon tubes and gated pipes. The ground water flows through an 8" buried pipe 1/4 mi SE and open discharged into the irrigation system. Nampa/Meridian and Boise/Kuna irrigation water is also used on the property. No other water rights are used.

(Tracy Pump Co installed the pump.)

(The P/D was found in the SWNW, not the SENW as listed on the permit)

Have conditions of permit approval been met? ☒ yes ☐ no

Not necessary for
a claim.

FEB 16 1995

F. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

see attached pump curve + elevation map
1000 GPM = 2.23 cfs system capacity

G. VOLUME CALCULATIONS

* 1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 67.8 \times 4.5 = 305.1$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.36 \times 246 \times 1.9835 = 663.6$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 305.1$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
* Irrigation	3/15	11/15	1.36	305.1
Totals:			1.36	305.1

2. Recommended Amendments

☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATIONField Examiner's Name Loi Gauer Date 4/1/94

Reviewer _____ Date _____

* See memo (attached). BC

SEAL

FEB 16 1995

MEMORANDUM

TO: File 63-11490 / Norman Shroll
FROM: Brenda Chapman
DATE: December 15, 1994
RE: Recommendation Adjustment(s)

=====

The final licensing recommendations for the above referenced water right are based on the information below:

G. VOLUME CALCULATIONS

The volume recommendation has been addressed in the remarks based on current supplemental groundwater processing procedures.

H. RECOMMENDATIONS

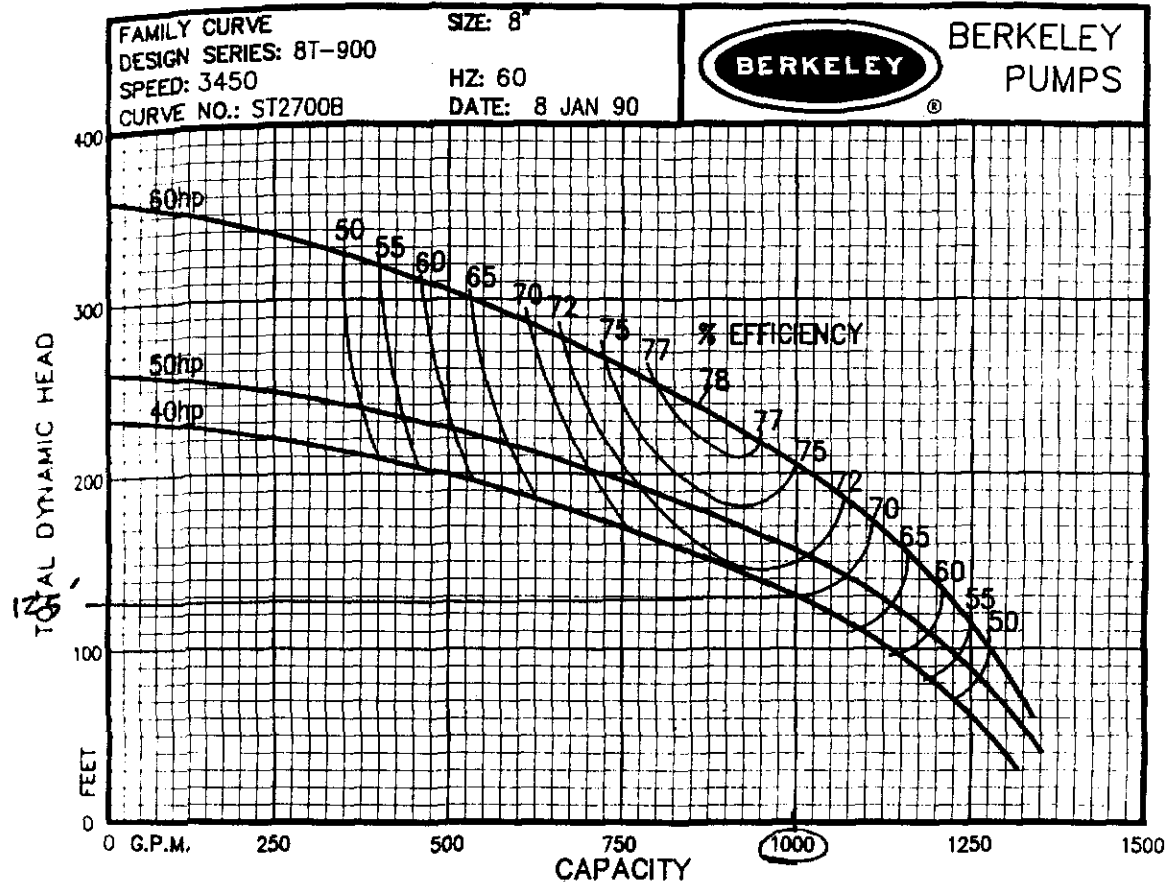
1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Div	Annual Vol
Irrigation	3-15 to 11-15	1.36	Not Listed

See item G.

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Submersible Turbine Model 8T-900



Specifications

*pump set @ 110' per Tracy Pump Co.
assume TDH 10' above (small system) pump level
+ 25' elevation lift to discharge point = 125' TDH*

LIQUID END WEIGHTS

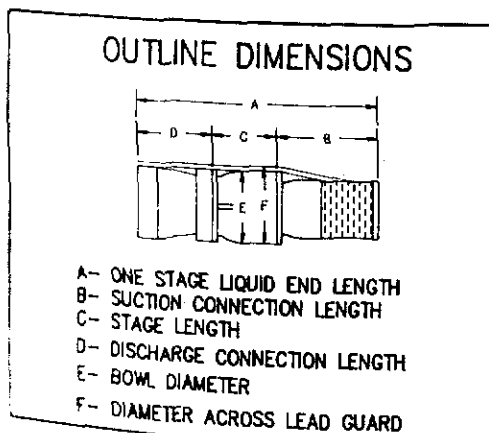
DESCRIPTION	WEIGHT LBS.	HP RATING	MOTOR FLANGE
ONE STAGE L.E.	86.6	40-60	6"
ONE STAGE L.E.			
ONE STAGE L.E.			
EACH ADDED STAGE	29.0	ALL	ALL

CURVE No. ST2700B

IMPELLER DATA

TYPE: ENCLOSED EYE AREA 12.14 Sq. In.
THRUST CONSTANT K 4.65 Lbs./Ft of HEAD.

HP	IMPELLER No.	STAGES	IMPELLER Dia.
60	P5-35DF	3	5.87" @ 26" (5.00")
50	P5-35DA	2	6.05" @ 26" (5.19")
40	P5-35DB	2	5.76" @ 26" (4.88")



BOWL DATA

BOWL No. P1-83 PUMP SHAFT Dia. 1 3/16"
TYPE: THREADED DISCHARGE SIZE 6" NPT

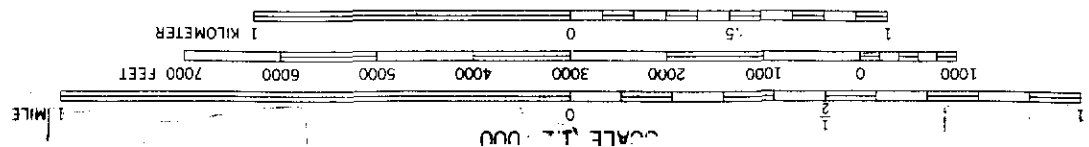
NOTE: For each additional stage add 'C'

A	B	C	D	E	F	HP RATING	MOTOR FLANGE
22.75	12.50	6.75	3.50	7.38	7.81	40-60	6"

RESOURCES

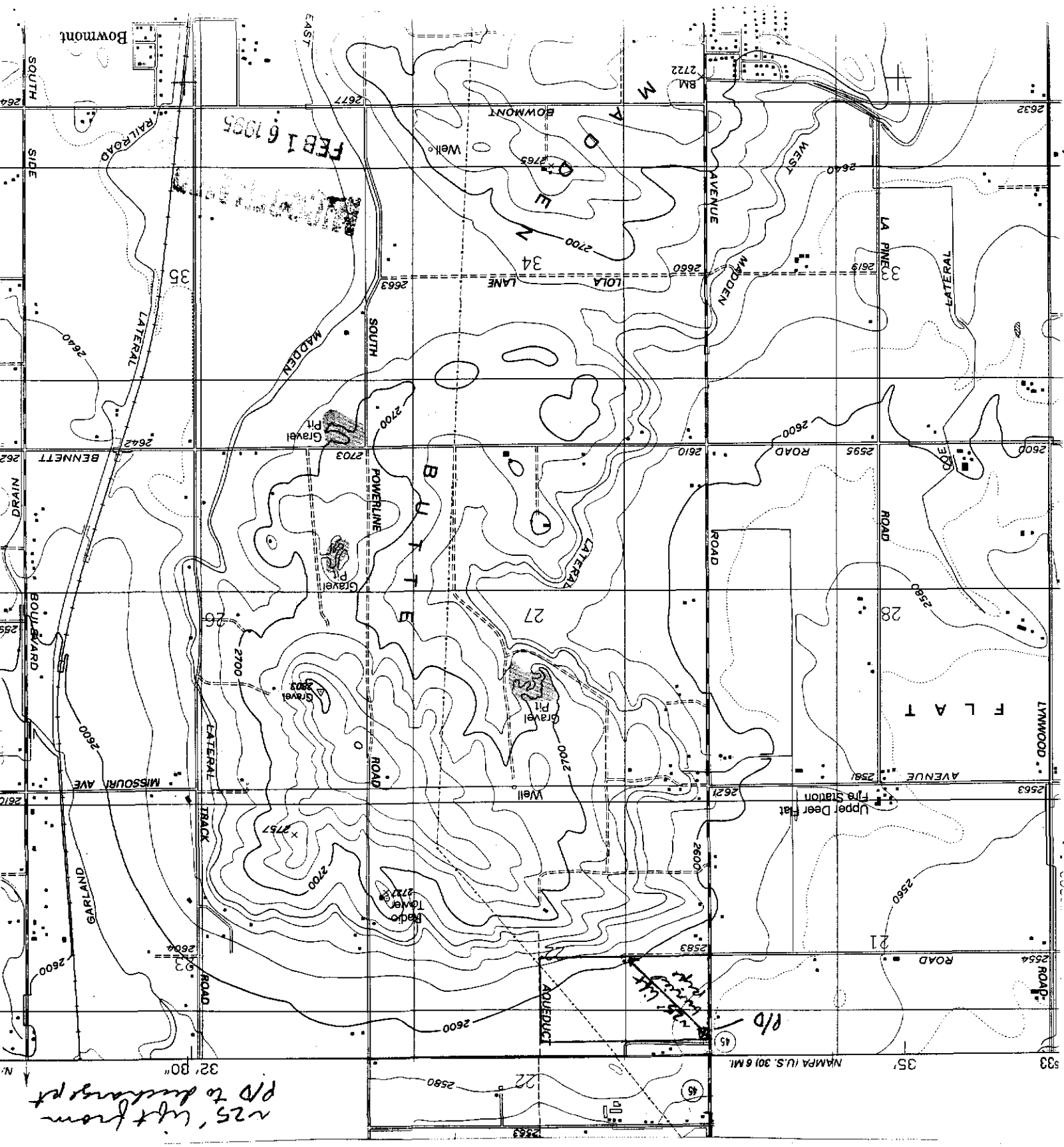
R





CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

~25' cut from
RD to drainage pt



7
5.6

6
22.9

T3534

10

5

6

8.2

17.6

120

10

5

6

70.3

1

5.5

T5484 5

H/NW

6

29.9

7

21.6

H/NW

T3781

1

21.0

T3573

T3574

H/NW

H/NW

H/NW

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220

4
8.3

H/NW

5.0

H/NW

22

2

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: 63-92-W-064 OTHER APPLICABLE NO: 63-11490
2. OWNER: Norman Shroll Phone: 466-3034
Address: 7130 Hwy 45 Nampa 83686
3. WELL LOCATION: Twp 2N, Rge. 2W, Sec. 22, SW 1/4 NW 1/4
County Canyon (Provide sketch map and photo on reverse.)
4. DRILLER: Adamson Lic. No. 457
When Drilled? 1992
5. WELL CONSTRUCTION:
- Casing Diameter 12 inches Water tight cap? ☒ Yes ☐ No Access Port: ☐ Yes ☒ No
Casing $\geq$ 12 inches above ground? ☒ Yes ☐ No - Describe _____
Depth of Casing 42 ft. Method Drilled Rotary / air
Condition of Well Casing: ☒ Good ☐ Fair ☐ Poor Describe _____
Control Valve? ☒ Yes ☐ No Pressure Gauge: ☒ Yes ☐ No
Condition of Piping and Valving good
Auger to a depth of _____ ft. Evidence of Annular Seal ☐ Yes ☐ No
Are there obvious construction problems that may be a source for contamination or waste of water?
☐ Yes ☒ No (Describe in Remarks and Attach Photo - On Reverse)
6. HYDROLOGIC INFORMATION:
- Depth to Static Water 52' ft. Water Temperature cold °F
Flowing Artesian ☐ Yes ☒ No Pressure: _____ (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____
7. WELL USE:
- | | | |
|---------------------------------------|---|-------------------------------------|
| ☐ Domestic | ☒ Irrigation | ☐ Stock |
| ☐ Test | ☐ Municipal | ☐ Industrial |
| ☐ Abandoned | ☐ Waste Disposal/Injection | ☐ Not Used |
| ☐ Other: _____ | | |
- 34.2 33.6
1.36

RECORDED

FEB 16 1995

8. **POSSIBLE CONTAMINATION SOURCES:**

Is there evidence of Chemigation? ☐ Yes ☒ No

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

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

If yes, what Type? _____

How far away from the well is this source? _____

9. **REMARKS:**

Well log lists wrong legal for
well — actual location in the NWSEWNW,
Sec 22, T2N R2W

Signature of Dept. Representative & Title

Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

MICROFILMED
FEB 16 1995

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
POINT PENState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.**1. WELL OWNER**Name Norman Shroll
Address 7130 Hwy 45 Nampa, ID 83686
Drilling Permit No. 63-92-W-064
Water Right Permit No. P63-11490**7. WATER LEVEL**Static water level 52' feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
*Describe artesian or temperature zones below.***2. NATURE OF WORK**☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures
such as liners, screen, materials, plug depths, etc. in lithologic
log, section 9.)**8. WELL TEST DATA**☐ Pump ☐ Bailer ☒ Air ☐ Other _____

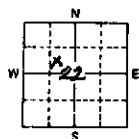
Discharge G.P.M.	Pumping Level	Hours Pumped
<u>we could not</u>	<u>pump with air</u>	<u>because of</u>
<u>condition</u>		

3. PROPOSED USE☐ Domestic ☒ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)**9. LITHOLOGIC LOG**

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
16"	1	5	Top Soil		
"	5	35	Brown Sandy Clay		
"	35	42	Lava Rock		
12"	42	55	Lava Rock		
"	55	58	Creaves-Rock lost Circulation		
"	58	70	Lava Rock	X	
"	70	72	Creaves	X	
"	72	74	Lava	X	
"	74	76	Crevice	X	
"	76	98 1/2	Lava	X	
"	98 1/2	138	Solid Lava	X	
"	138	140	Crevice	X	
"	140	153	Lava Rock w/Crevice	X	

4. METHOD DRILLED☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____
(backhoe, hydraulic, etc.)**5. WELL CONSTRUCTION**Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness Diameter From To
.250 inches 12 inches + 2 feet 42 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feetWas casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches
Number From To
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feetWell screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feetSurface seal depth 42 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Pudding clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☒ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strataDescribe access port Top of Well**6. LOCATION OF WELL**

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County CanyonSE 1/4 N41 1/4 Sec. 22, T. 2 S ☐ R. 2 W ☒**11. DRILLER'S CERTIFICATION**I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.Firm Name Adamson Pump & Drilling Firm No. 457
Address Nampa, ID Date 3/12/92Signed by Drilling Supervisor Dave Adamsonand
(Operator) Dave Adamson
(If different than the Drilling Supervisor)

MICROFILMED

FEB 16 1995



12" well
40 HP submersible pump - 8T 900 Berkeley

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FEB 16 1995

May 29, 1992

NORMAN SHROLL
7130 HWY 45
NAMPA ID 83686

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-11490

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.

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

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

c: IDWR - Region

RECEIVED
JUN 1 2 1992

State of Idaho
Department of Water Resources

APPLICATION FOR DRILLING PERMIT

1. Applicant (please print) Norman Shroll
2. Mailing Address 7130 Hwy 45 Nampa ID 83686
Telephone 466-3034

☒ Well Owner () Well Operator () Other, specify _____

3. Proposed well location SE 1/4 NW 1/4, or Gov't Lot No. _____
Sec. 22, Twp. 2N, Rge. 2W, County Canyon
Street Address of Well Site _____
Lot, block and subdivision _____

4. Proposed use of well:

() Domestic: The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

☒ Non-Domestic: Any beneficial use not included within the definition of domestic.

() Injection

() Monitoring - A well bore schematic and map is required for each well.

No. of proposed wells: _____

5. Well construction information:

A. ☒ New well () Deepen () Replace - See Condition 9

B. Proposed Surface Diameter 10" / 12" Proposed Maximum Depth 200'

C. Anticipated bottom hole temperature:

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

6. Construction Start Date 2/24/92

7. Anticipated Well Driller Adamson, Dave

NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's signature Norman Shroll Date 2-13-92

Title _____

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JUN 12 1992

ACTION OF THE DEPARTMENT OF WATER SOURCES

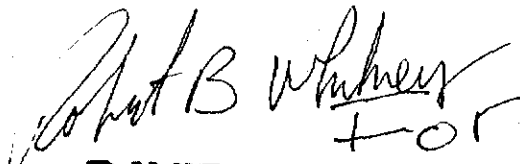
This Permit is Approved Date 2-13-92

If approved, this permit authorizes the construction or modification of a well subject to the following conditions. READ CAREFULLY

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the well 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 the above approval date for the start of construction and is valid for one year from the approval date for completion of the well unless an extension has been granted.
3. This permit does not constitute an 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. Approval 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° or greater is encountered, well construction shall cease and the well driller and the owner shall contact the Department immediately.
9. If this permit is for a replacement well, the well being replaced must be abandoned in accordance with Department Rule Regulations.

SPECIFIC CONDITIONS:


DAVID R. TUTHILL JR.

**MANAGER
WESTERN REGIONAL OFFICE**

Signature of Authorized Department Representative

Title

Receipt No. W0014153 Received by GJK Fee 200.00 Date 2/13/92

MICROFILMED
JUN 12 1992

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

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

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.

[illegible]



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

May 29, 1991

NORMAN SHROLL
7130 HWY 45
NAMPA, ID 83686

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 63-11490

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed. You will receive a "Proof Due Notice" from this Department approximately 60 days prior to the completion date requiring you to file either a Proof of Beneficial Use form stating that the project has been completed or file a Request for an Extension of Time in which to file the proof statement.

Be sure to note the special condition requiring you to install a measuring device. Enclosed, for your reference, is a list of measuring device options.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

You should be aware that you are located within a drainage basin where surface water diversions are regulated by a watermaster. It is possible that diversion of groundwater under your permit may cause a reduction of surface water flow. Siting your well as far as possible from surface water channels and casing your well

JUN 04 1991

so that groundwater tributary to surface water flows are not diverted will reduce the potential for the watermaster to regulate your water use.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:blm

Enclosures

JUN 04 1991

NOTICE OF APPLICATION FOR WATER RIGHT

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

63-11433

HENRICKSON, TIM
HENRICKSON, LEVI
HENRICKSON, GARY
HENRICKSON, JIM
RT. 3
NAMPA, ID 83651
Source: GROUNDWATER
Diversion Pt: LOT 6

Use: IRRIGATION

Date Filed: 12/19/1990
In: T02N R01W S06 Lot 4
66.0 ACRES TOTAL

(NWNW) Lot 5 (SWNW)

SENW

63-11485

ENGLE, FRANK
ENGLE, FRANCES
9450 FERRY RD.
MELBA, ID 83641
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

Date Filed: 3/13/1991
In: T01S R02W S15
167.0 ACRES TOTAL

NWNE

SWNE

NENW
SENW

NWNW
NWSE

63-11488

LOWE, WALTER
26911 STEWART LN.
WILDER, ID 83676
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

Date Filed: 3/14/1991
In: T04N R05W S04
160.0 ACRES TOTAL

NESE

NWSE

SWSE

SESE

63-11489

PLINE FARMS INC.
6805 LAKE HAZEL
NAMPA, ID 83687
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

Date Filed: 3/21/1991
In: T02N R02W S01 Lot 1
90.0 ACRES TOTAL

Total Diversion:

(NENE) Lot 2 (NWNE)

SENE

63-11490

SHROLL, NORMAN
7130 HWY 45
NAMPA, ID 83686
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

Date Filed: 2/28/1991
In: T02N R02W S22
80.0 ACRES TOTAL

63-11494

EBBERS, MERIL
11670 LONE STAR
NAMPA, ID 83651
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

Date Filed: 3/12/1991
In: T03N R02W S19
192.0 ACRES TOTAL

NESW Lot 3 (NWSW) Lot 4 (SWSW)

SESW
SWSE

63-11495

GANT, RALPH
91 HILL RD. S.
MELBA, ID 83641
Source: GROUNDWATER
Diversion Pt: LOT 3
Use: IRRIGATION

Date Filed: 3/4/1991
In: T01S R02W S03
62.0 ACRES TOTAL

Lot 3 (NENW)

SWNW

SENW

AFFIDAVIT OF PUBLICATION

OF IDAHO)
) ss.
of Canyon)

APR 11 1991

Department of Water Resources
Boise, Idaho

(NWSW) Sec 6 T 02N R 01W
SESW Sec 6 T 02N R 01W harla O'Krakel
(1.320 CFS)

Total Diversion: (1.320 CFS)

ja, Canyon County, Idaho, being first duly sworn, deposes

I am a citizen of the United States of America, and at all
ereinafter mentioned was over the age of eighteen years,
a party to the above entitled action.

I am the Principal Clerk of the Idaho Press-Tribune, a
except Saturday) newspaper published in the City of
(2.000 CFS) and Caldwell, in the County of Canyon, State of Idaho:

SWNE Sec 15 T 01S R 02W
(2.000 CFS)
Total Diversion: (2.000 CFS)

63-11496

GROSS, LARRY
RT. 1 HAPPY VALLEY RD.
KUNA, ID 83634
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

NESE Sec 36 T 02N R 02W
(.720 CFS)
Total Diversion: (.720 CFS)

Date Filed: 3/1/1991
In: T02N R02W S36
36.0 ACRES TOTAL

NESE

SWSE Sec 4 T 04N R 05W
(3.200 CFS)
Total Diversion: (3.200 CFS)

63-11497

JOHNSON, JOHN R.
9168 PERCH LN.
CALDWELL, ID 83605
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

SESE Sec 1 T 03N R 04W
(2.260 CFS)
Total Diversion: (2.260 CFS)

Date Filed: 3/7/1991
In: T03N R04W S01
120.0 ACRES TOTAL

NESE

NWSE

SESE

SENE Sec 1 T 02N R 02W
(1.800 CFS)
Total Diversion: (1.800 CFS)

63-11502

BYRON GINGRICH CONSTRUCTION
702 VISTA TERRACE
NAMPA, ID 83686
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

SWNW Sec 3 T 02N R 02W
(.280 CFS)
Total Diversion: (.280 CFS)

Date Filed: 3/26/1991
In: T02N R02W S03
14.0 ACRES TOTAL

SWNW

SENW Sec 22 T 02N R 02W
(1.600 CFS)
Total Diversion: (1.600 CFS)

63-11503

MILLER, CLEO
1910 S. MIDDLETON RD.
NAMPA, ID 83686
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

SWSWSW Sec 32 T 03N R 02W
(2.200 CFS)
Total Diversion: (2.200 CFS)

Date Filed: 3/22/1991
In: T03N R02W S32
110.0 ACRES TOTAL

SWNW

NWSW

SWSW

SESW Sec 19 T 03N R 02W
(3.840 CFS)
Total Diversion: (3.840 CFS)

63-11504

KINGHORN, JOHN
9359 USTICK RD.
NAMPA, ID 83687
Source: GROUNDWATER
Diversion Pt:
Use: IRRIGATION

NESE Sec 33 T04N R 02W
(1.300 CFS)
Total Diversion: (1.300 CFS)

Date Filed: 3/18/1991
In: T04N R02W S33
65.0 ACRES TOTAL

NESE

NWSE

SESE

(NENW) Sec 3 T 01S R 02W
(1.240 CFS)
Total Diversion: (1.240 CFS)

The permit(s) will be subject to all prior water rights. Protests must be filed with
the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise,
Idaho 83705 on or before APRIL 22, 1991.
R. KEITH HIGGINSON
April 3, 10, 1991

63-11490

SHROLL, NORMAN
7130 HWY 45
NAMPA, ID 83686

Source: GROUNDWATER

Diversion Pt: SENW Sec 22 T 02N R 02W

Use: IRRIGATION (1.600 CFS)
 Total Diversion: (1.600 CFS)

Date Filed: 2/28/ 1991

In: T02N R02W S22 SWNW SENW

80.0 ACRES TOTAL

JUN 04 1991