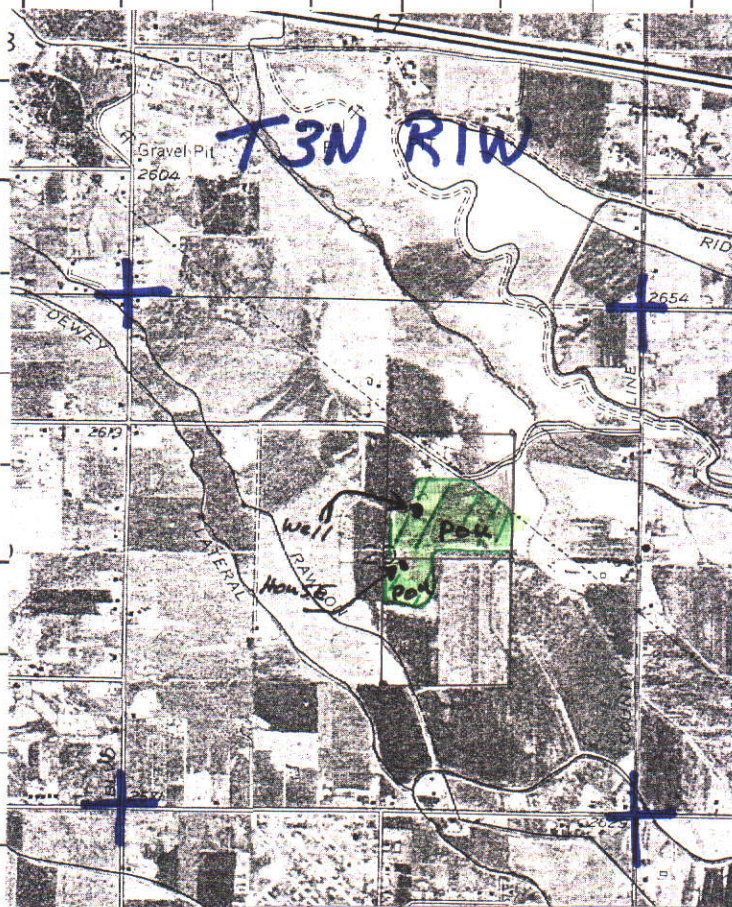


13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

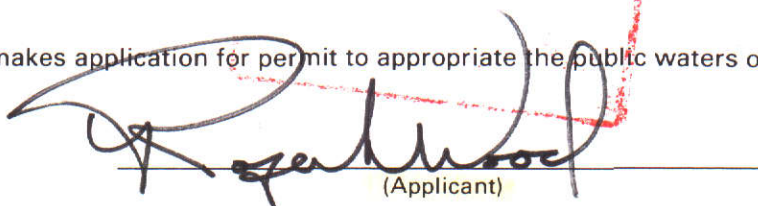


MICROFILMED

MAR 19 1991

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.


(Applicant)

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

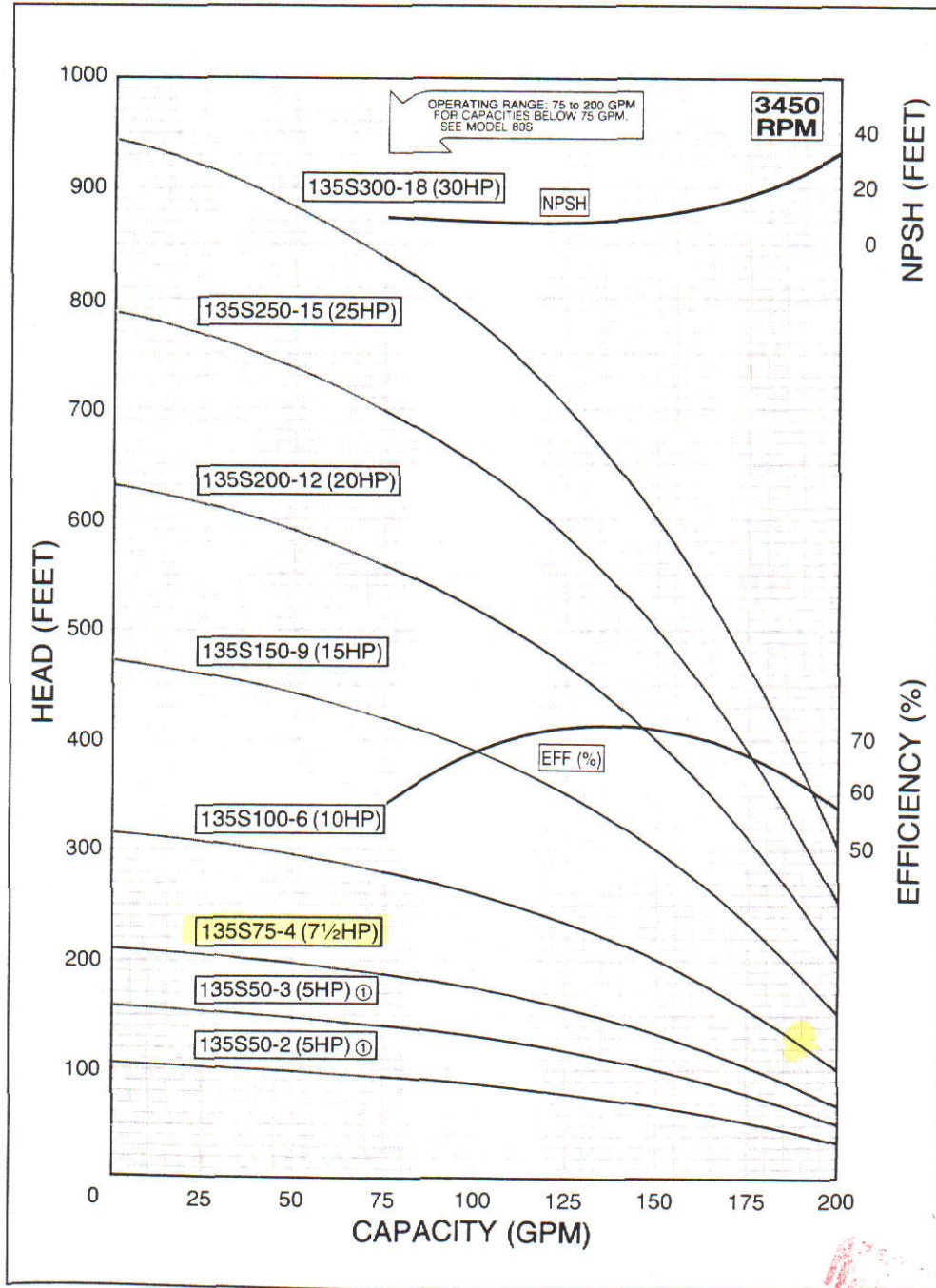
**Code to correspond with No. on map and aerial photo*

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1355	Grundfos	7.5	Submerso	1355	
165	"	1.5	"	165	

1

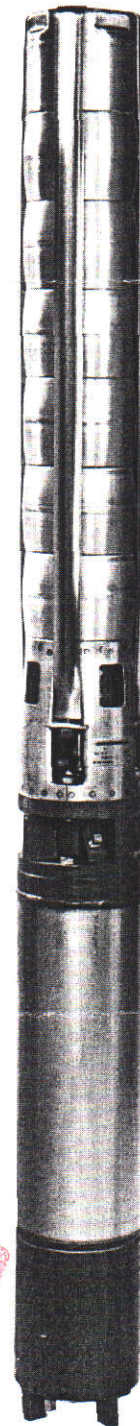
Measurements: Pump curves supplied by Wood Pump Co, the pump installed.

PERFORMANCE CURVES



FLOW RANGE
75 to 200 GPM

PUMP OUTLET
3" NPT



DIMENSIONS AND WEIGHTS

MODEL NO.	HP	MIN. WELL SIZE (INCHES)	LENGTH (INCHES)	MAX. WIDTH (INCHES)	APPROX. UNIT SHIPPING WT. (LBS.)
135S50-2	5①	6	42 1/2	5 1/2	84
135S50-3	5①	6	47	5 1/2	88
135S75-4	7 1/2	6	51 1/2	5 3/4	146
135S100-6	10	6	59 7/8	5 3/4	167
135S150-9	15	6	73	5 3/4	186
135S200-12	20	6	86 1/4	5 3/4	225
135S250-15	25	6	99 1/4	5 3/4	243
135S300-18	30	6	112 3/8	5 3/4	268

NOTES:

① 4-inch motor.

Specifications are subject to change without notice.

See Deep Set models for higher head.

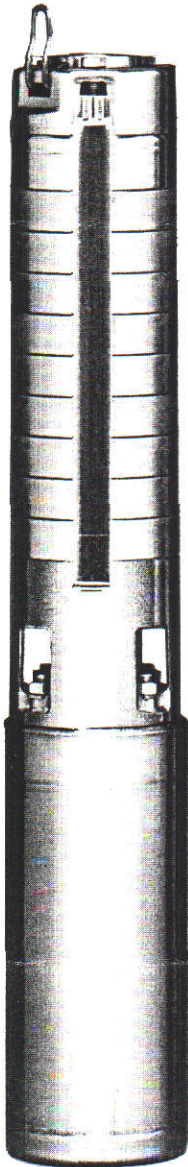
MODEL
16S

16 GPM

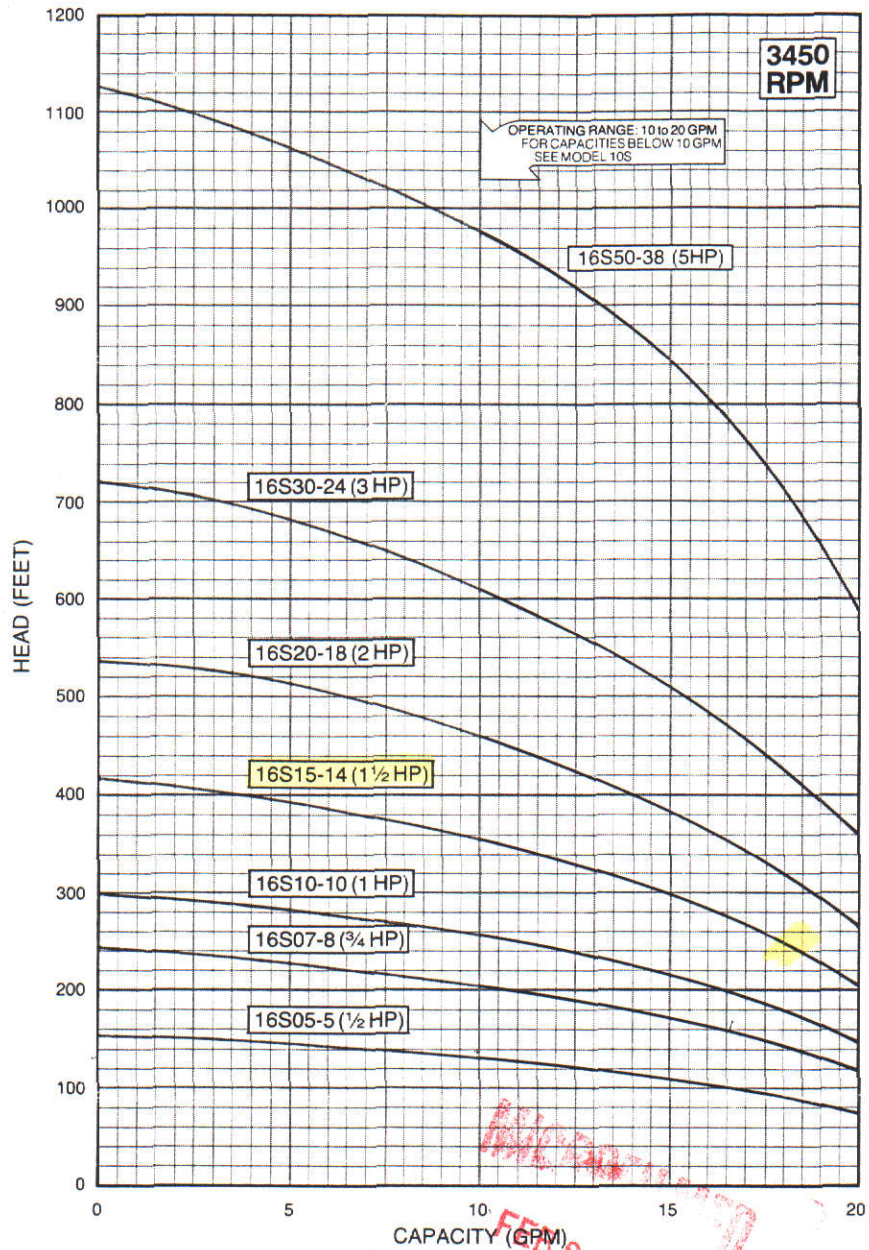
GRUNDFOS

FLOW RANGE
10 to 20 GPM

PUMP OUTLET
1 1/4" NPT



PERFORMANCE CURVES

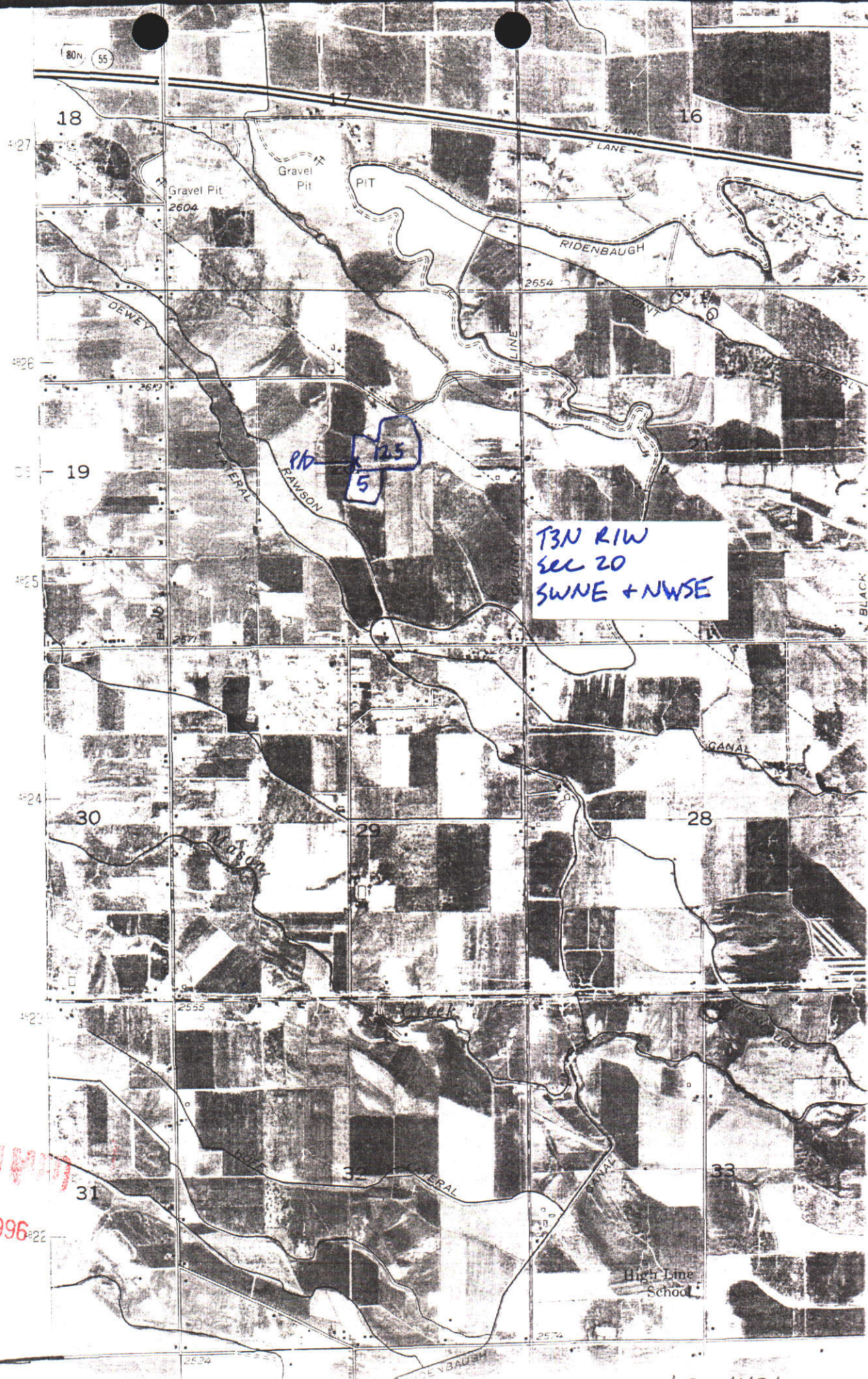


DIMENSIONS AND WEIGHTS

MODEL NO.	HP	LENGTH (INCHES)	WIDTH (INCHES)	APPROX. UNIT SHIPPING WT. (LBS.)
16S05-5	1/2	21 3/8	3 15/16	27
16S07-8	3/4	24 3/8	3 15/16	29
16S10-10	1	26 3/8	3 15/16	32
16S15-14	1 1/2	32	3 15/16	36
16S20-18	2	34 5/8	3 15/16	40
16S30-24	3	46 5/8	3 15/16	64
16S50-38	5	62 3/4	3 15/16	94

Specifications are subject to change without notice.

*Boyer Wood
1 1/2 HP
pressure pump*



T3N
~~T2N~~

FEB 23 1996

2N ↓

T3N R1W
SEC 20
SWNE + NWSE

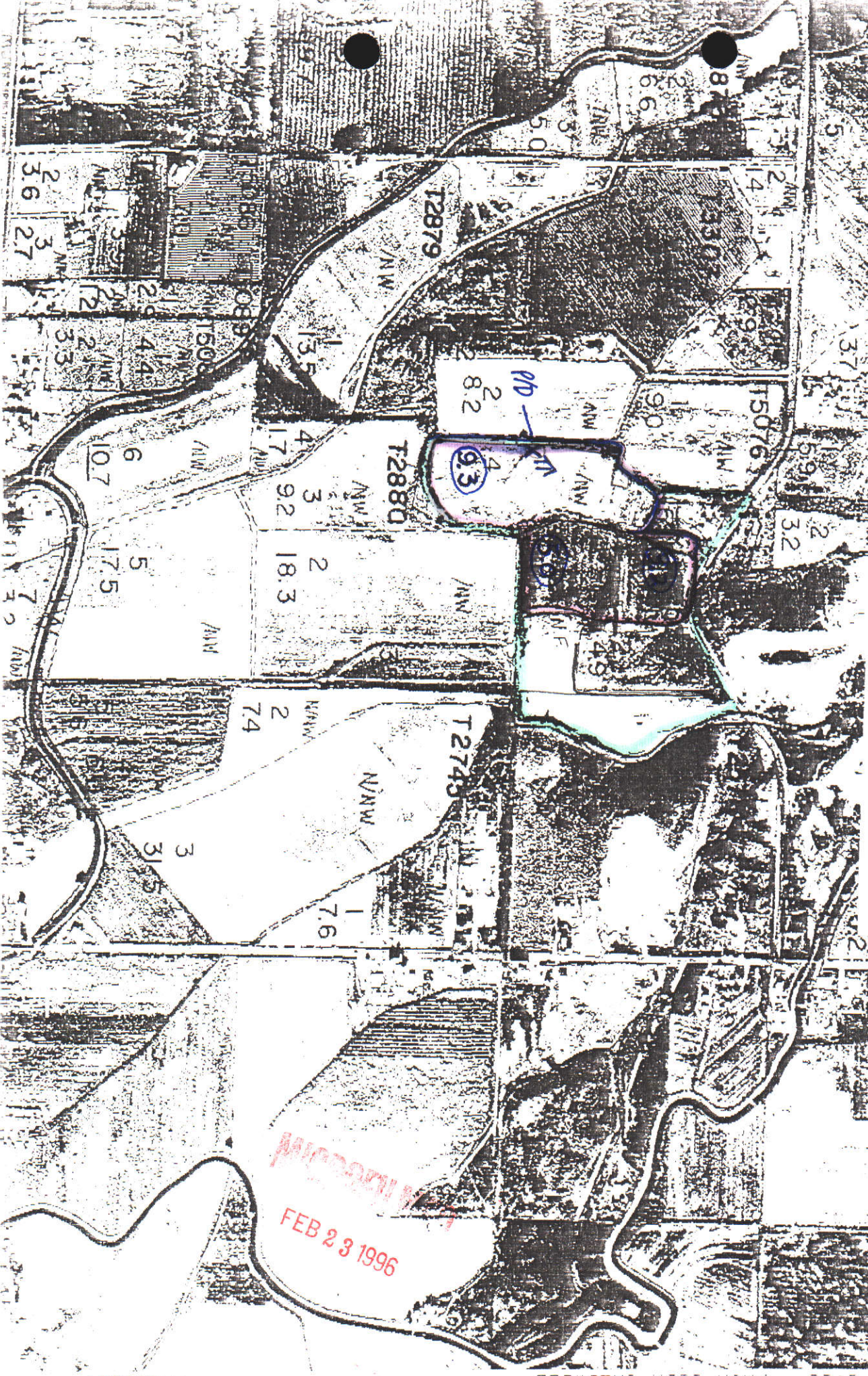
63-11426

OPTIONAL FORM 99 (7-80)

FAX TRANSMITTAL

of pages

To	From
Dept/Agency	Phone #
Black River	CFS A
Fax #	Fax #
NSN 7540-01-317-7388	5099-101
GENERAL SERVICES ADMINISTRATION	



92511-69

FROM USDA CALDWELL

PAGE 001



— P/D
2 pumps
in well

Booster pump
used to
combine
surface H_2O
into irrig
system.



Domestic
+
Irrigation

FEB 23 1996

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-11426

Priority: December 10, 1990

Maximum Diversion Rate:

0.34 CFS

This is to certify, that ROGER S WOOD
7211 AIRPORT RD
NAMPA ID 83687

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated December 10, 1990; and has submitted Proof of Beneficial Use on February 24, 1995. An examination indicates that the works have a diversion capacity of 0.340 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	0.34 CFS	
STOCKWATER	01/01 to 12/31	0.02 CFS	
DOMESTIC	01/01 to 12/31	0.02 CFS	
	Totals	0.34 CFS	

LOCATION OF POINT(S) OF DIVERSION:

SWNE , Sec. 20, Township 03N, Range 01W
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>
03N	01W	20	SWNE 12.5	NWSE 5		17.5

Total number of acres irrigated: 17.5

PLACE OF USE:

STOCKWATER, same as IRRIGATION use

PLACE OF USE: DOMESTIC

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>
03N	01W	20

SWNE

CONDITIONS OF APPROVAL AND 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 in conjunction with groundwater diverted under this right.
5. This right 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.

FEB 23 1996

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-11426

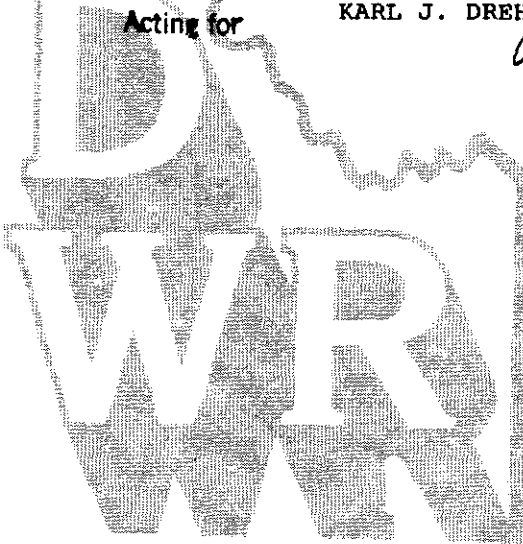
CONDITIONS OF APPROVAL AND REMARKS

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 78.8 af for the lands above.
7. Domestic use is for 1 home and is limited to an annual diversion volume of .6 af.
8. Domestic use does not include lawn, garden, landscape, or other types of irrigation.
9. Stockwater annual diversion volume is limited to .3 af.

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 9TH day of FEBRUARY, 1996.

Acting for


KARL J. DREHER, Director




FEB 28 1996

RECEIVED

FEB 24 1995

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED

FEB 27 1995

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form 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, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 63-11426 Telephone No. 208-467-1110
2. Name(s) of Permit Holder(s): Roger S. Wood
3. Mailing Address: 7211 Airport Road Nampa Id. 83687 (deepened)
4. Source of Water: Groundwater If GROUNDWATER (well), Date Drilled: mo. 2 / yr. 95
- a. Well Driller: POST Drilling Permit Number: 63-95-W-0064 001
- b. **OPTIONAL** (original well = 63-91-W-0149)
Pump Horsepower: 7.5 (12R) Pressure (psi): 40-60 psi Dynamic pumping level (ft): 110
5. Use(s) (as authorized by the water right permit):
Domestic (No. of households): 1 Stockwater (No. and type of stock): 20 Range cattle
Irrigation (No. of acres): 20 Other: _____

6. Total rate of diversion and/or volume for which proof is submitted: .49 cfs OR _____ acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes _____ or No /
Has the measuring device been installed? Yes _____ or No _____

Flow Measurement Port: Is a flow measurement port required? Yes _____ or No /
Has the measurement port been installed? Yes _____ or No _____

8. Fee Enclosed: \$ 100 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: Permit holder Telephone Number: _____
Address: _____

10. The information given on this form 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.

Signature of permit holder: X Roger S. Wood Date: MAR 29 1995
(Include your title, if on behalf of company or organization)

RECEIVED
FEB 9 1993

For Office Use Only
\$15 Fee Received by DKK
Date 2/3/93
Receipt No. 0015920

Department of Water Resources
Western Regional Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

REQUEST FOR EXTENSION OF TIME

TO PROVIDE ADDITIONAL TIME IN WHICH TO SUBMIT PROOF OF
BENEFICIAL USE FOR A WATER RIGHT PERMIT

The Idaho Department of Water Resources will consider this form as a request that the permit holder(s) be granted an additional period of time in which to complete development of water right under the provisions of Section 42-204, Idaho Code.

Permit No. 63 11426
Name(s) of Permit Holder: Roger S. and Sylvia Wilson Wood
Mailing Address: 7211 Airport Road Nampa Idaho 83687
Date Proof is Due March 1, 1993 Telephone No. 467 1110

Describe what work has been completed toward the development of this water right:
(This must be filled out! If no work has been completed, show "none".)

Well & Casing drilled, domestic pump installed, irrigation pump not installed yet.
Irrigation system To "prove up" The new irrigation portion of my permit
has been more expensive than I can afford. I've put it off till april.
Costing \$ 9376⁰⁰

The permit holder(s) has been unable to complete the remainder of the work for the following reasons:

Can't afford the pump and irrigation season equipment. Ran out
of money building house. Will be able to buy equipment in April '99.

Permit holder(s) request an extension to Two ^{new} ~~one~~ years March 1, 19 ^{new} ~~94~~ 95.

FEE: \$15.00

(Signature) Roger S. Wood

*If other than permit holder, Power of Attorney must be supplied.

ACTION OF THE DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above request for extension of time be APPROVED
and the time within which to submit proof of beneficial use is
extended to March 1, 1995.

APR 22 1993

Signed this 18th day February, 19 93

J. Glen Saxton
Chief, Water Allocation Bureau

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 63-11426

Proposed Priority: December 10, 1990 Maximum Diversion Rate: 0.49 CFS

This is to certify, that **ROGER S. WOOD**
1000 CENTRAL ROBINSON RD.
NAMPA, ID 83687

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	0.40 CFS
STOCKWATER	01/01 to 12/31	0.05 CFS
DOMESTIC	01/01 to 12/31	0.04 CFS
Totals		0.49 CFS

LOCATION OF POINT(S) OF DIVERSION: SWNE Sec. 20, Township 03N, Range 01W
CANYON County

<u>PLACE OF USE:</u>	<u>IRRIGATION</u>				
<u>TWN RGE SEC</u>		<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
03N 01W 20	SWNE 15		NWSE 5		20
Total number of acres irrigated:					20

PLACE OF USE: STOCKWATER, same as IRRIGATION use

PLACE OF USE: DOMESTIC, same as IRRIGATION use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before March 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. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
5. 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.
6. Domestic use is for 1 home.
7. Stockwater is for 135 dairy cattle.

RECEIVED

MAR 19 1991

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11426

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

12th day of March, 1991.

R. Keith Higginson
for R. Keith Higginson, Director



RECEIVED
MARCH 12 1991

FILED

\$45.00

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Roger S. Wood Phone 467 1110
Post office address 1000 Central Robinson Rd., Nampa Id. 83687
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is _____ 1/4 of SW 1/4 of NE 1/4, Govt. Lot _____
Sec. 20 Township 3N Range 1W B.M. CANYON County; additional
points of diversion if any: _____
4. Water will be used for the following purposes:
Amount .04 for DOMESTIC purposes from 1-1 to 12-31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount .05 for STOCKWATER purposes from 1-1 to 12-31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount .40 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)
5. Total quantity to be appropriated is (a) .49 cubic feet per second and/or (b) _____ acre feet per annum
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. WELL, Pump, Pipelines, ditches,
Stock Tanks

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 8" inches; proposed depth of well is 250' 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
3 years (minimum 1 year).

RECEIVED

MAR 19 1991

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

- a. Hydropower; show total feet of head and proposed capacity in KW. _____
- b. Stockwatering; list number and kind of livestock. 135 HEAD DAIRY
- c. Municipal; show name of municipality. _____
- d. Domestic; show number of households. ONE
- e. Other; describe fully. _____

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. 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	
3N	1W	20			15										5				20
					5										5				
					D										D				

Total number of acres to be irrigated 20

10. Describe any other water rights used for the same purposes as described above. IRR DISTRICT WATER

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: This will Supplement the Irrigation Dist. Water before, during, & after water is turned in.

FILED

Domestic pln per applicant's map. Use appears to be 1/4 SW 1/4 NW 1/4 Sec 20
in SW NE. 8L 12/10/90

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



RECEIVED

MAR 19 1991

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.

[Handwritten Signature]
(Applicant)

Received by GP Date 12-10-90 Time 11:18 am Preliminary check by SL
Fee \$ #45.00 Receipted by GP # W012899 Date 12-10-90
Publication prepared by GG Date 12/12/90 Published in Press-Tribune
12/20 & 12/27/90
Publication approved st Date 1-17-91

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:

MICROFILMED

MAR 19 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

KARL J. DREHER
DIRECTOR

February 9, 1996

ROGER S WOOD
7211 AIRPORT RD
NAMPA ID 83687

RE: WATER RIGHT NO. 63-11426

Dear Water Right Holder(s):

Enclosed is a copy of the Water Right License issued on the above referenced permit. If you have any questions, please contact me within 10 days of receipt of this license.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosure

FEB 23 1996

LICENSE REVIEW CHECKLIST

PERMIT NO. 63-11426 DATE 2-7-96



NAME Change OK ☒ Or Address Change? ☐

PRIORITY DATE Advance? ☒ Advanced to: Order to reinstate needed? ☐
Incorrect fee for rate recommended? ☐

SOURCE Changes or just clarification of originally intended source? ☒
Notice of Intent to Void necessary? ☐

POINT OF DIV Amendment needed? ☒
Overlaps? ☒

PLACE OF USE Amendment needed? ☒ DOMESTIC, IN SWNE 1/4 1/4 ONLY
Overlaps? Just surface water

DIV RATE dom ☒ Pump Creeks Permit/fee limits: .49 CFS IRR - 20 acres - .40
Meas Q = .34 Theo Q = Dom - .04 STOCK .05
17.5 acres x .02 = .35 (rate limit of .34)
Dom/INT = .02 STOCK = .02
Combined rates exceed capacity ☐

ANNUAL VOLUME Volume Limit: Season: D/4.5 3-15 to 11-15
Calculations: 17.5 acres x 4.5 = 78.8
INT/Dom = .6 20 cattle = .3
Flow limit: cfs x 1.9835 =
Combined volumes exceed capacity/allowable ☐

USES Change in Nature of Use or additional uses? ☐
Amendment necessary? ☐

ADDITIONAL INFO Replaces Surface Water 050 Supplemental GW YES
YES Irr/Dom Combination WB5 PPU Recommendation W38
Boise River/Wood River Source Aes/Rec Uses

NEW REMARKS Multiple p/d(s) in 1/4 1/4? ☐
YES Other WB3, WB8, WB7

NEW CONDITIONS WM Control- District Meas/Lock Devices ☐
Irrigation Overlap ☐
Other ☐
Water Quality Heat/Cool/Fish verified ☐

COMMENTS: 1 Reduce acres & # of stock
2 Reduce domestic rate

RECOMMENDATION	CFS	VOLUME	SRBA Claim Filed	Adjustment Memo Needed	NO
<u>Irrigation</u>	<u>.34</u>	<u>78.8</u>	} F M A R K S	LICENSE	<u>YES</u>
<u>Stock Water</u>	<u>.02</u>	<u>.3</u>			
<u>Domestic</u>	<u>.02</u>	<u>.6</u>			
<u>TOTAL</u>	<u>.34</u>	<u>79.7</u>			
				1ST AMEND LETTER	
				2ND AMEND LETTER	

MEMORANDUM

TO: File 63-11426 / Roger Wood
FROM: Brenda Chapman
DATE: February 7, 1996
RE: Recommendation Adjustment(s)

=====

The final licensing recommendations for Right 63-11426 are based on the information below:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Div	Annual Vol
Irrigation	3-15 to 11-15	.04	12.0
Domestic	1-01 to 12-31	.04	1.2
Stockwater	1-01 to 12-31	.03	2.0

Our current guideline for processing combination domestic and irrigation rights involves including domestic lawns, gardens, etc. in the irrigated acre total with the domestic recommendation being reduced to an internal use rate of .02 cfs.

All volume recommendations are addressed in the remarks based on current supplemental groundwater processing procedures.


FEB 23 1996

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JAN 11 1996

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 63-11426

1. Owner: Roger Wood Phone No. 467-1110

Current Address: 7211 Airport Rd Nampa 83687

2. Accompanied by: Roger EXAM DATE: 8/17/95

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
					20	3N	1W	Canyon	USGS Quad, ASCS Photo

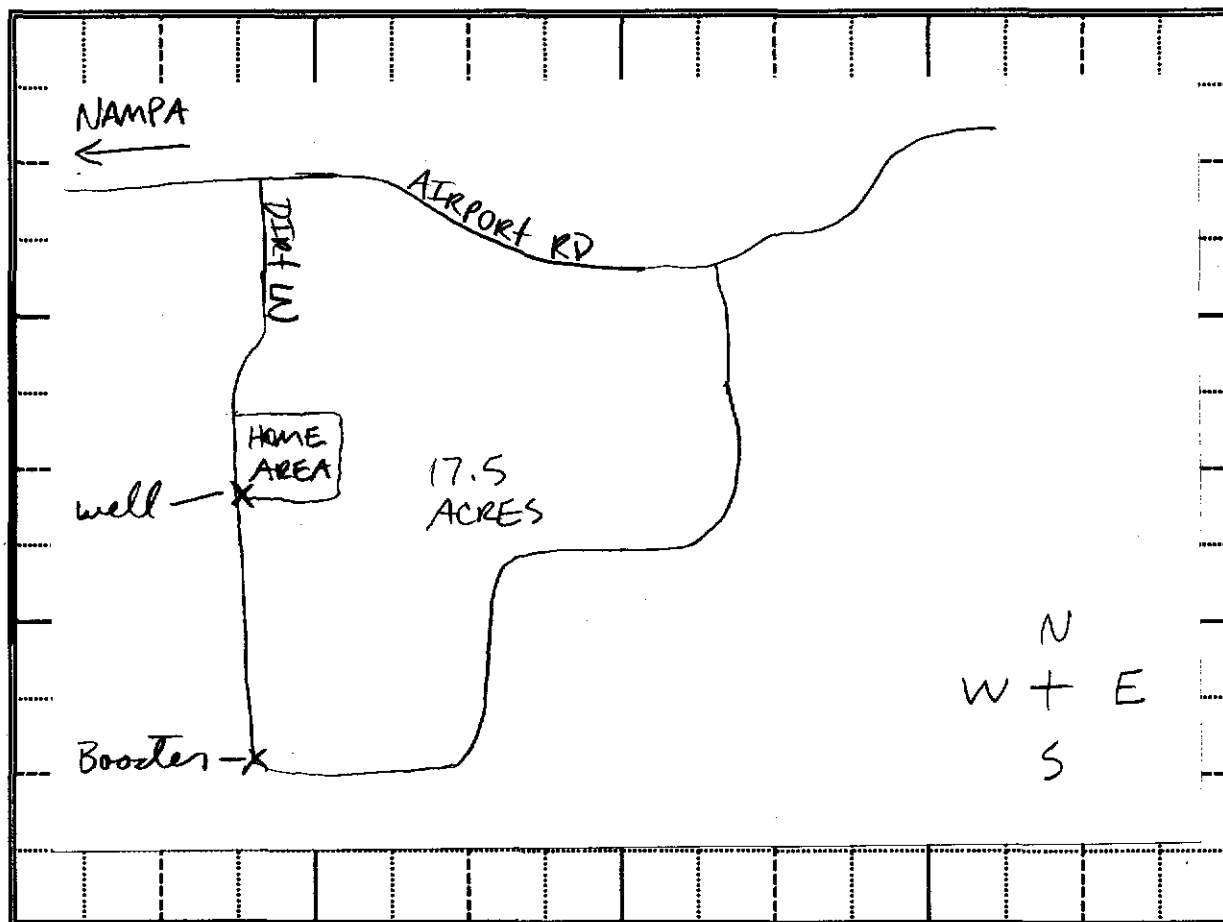
2. Place(s) of Use:

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	
3N	1W	20			12.5											5			17.5
					5											5			
					D														

13-11426

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
irrig pump	Grundfos	7.5	submers	1355	
dom pump	"	1.5	"	165	

*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 curves supplied by
Wood Pump Co, the pump installers

FEB 23 1996

E. NARRATIVE/REMARKS/COMMENTS

A 12" well equipped with two pumps supplies water to 17.5 acres, 1 home and ~20 beef stock. The farmland receives water via handline sprinklers and gated pipe. The home's lawn is on a buried sprinkler system. Twenty beef stock graze throughout. Nampa Meridian irrigation water is also used. No other wts are used.

Both pumps are in the one well.

A separate booster pump, ~700' south of the well, is used to combine surface water into the irrigation system.

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

FEB 23 1996

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Per pump curves: 135 GPM = .30 cfs
 16 GPM = .04 cfs
.34 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 17.5 \times 4.5 = 78.8$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .34 \times 246 \times 1.9835 = 165.9$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 78.8$$

2. Volume Calculations for Other Uses:

internal down = .6 afa
 20 beef x 12 x 365 / 325,850 = .3 afa

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	.34	78.8
* stockwater	1/1	12/31	.02	.3
domestic	1/1	12/31	.04	.6
Totals:			.34 cfs	79.7 AFA

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 Lon Gorman Date 1/2/96

Reviewer _____ Date _____

SEAL

* SEE adjustment memo. B

FEB 23 1996

GRUNDFOS

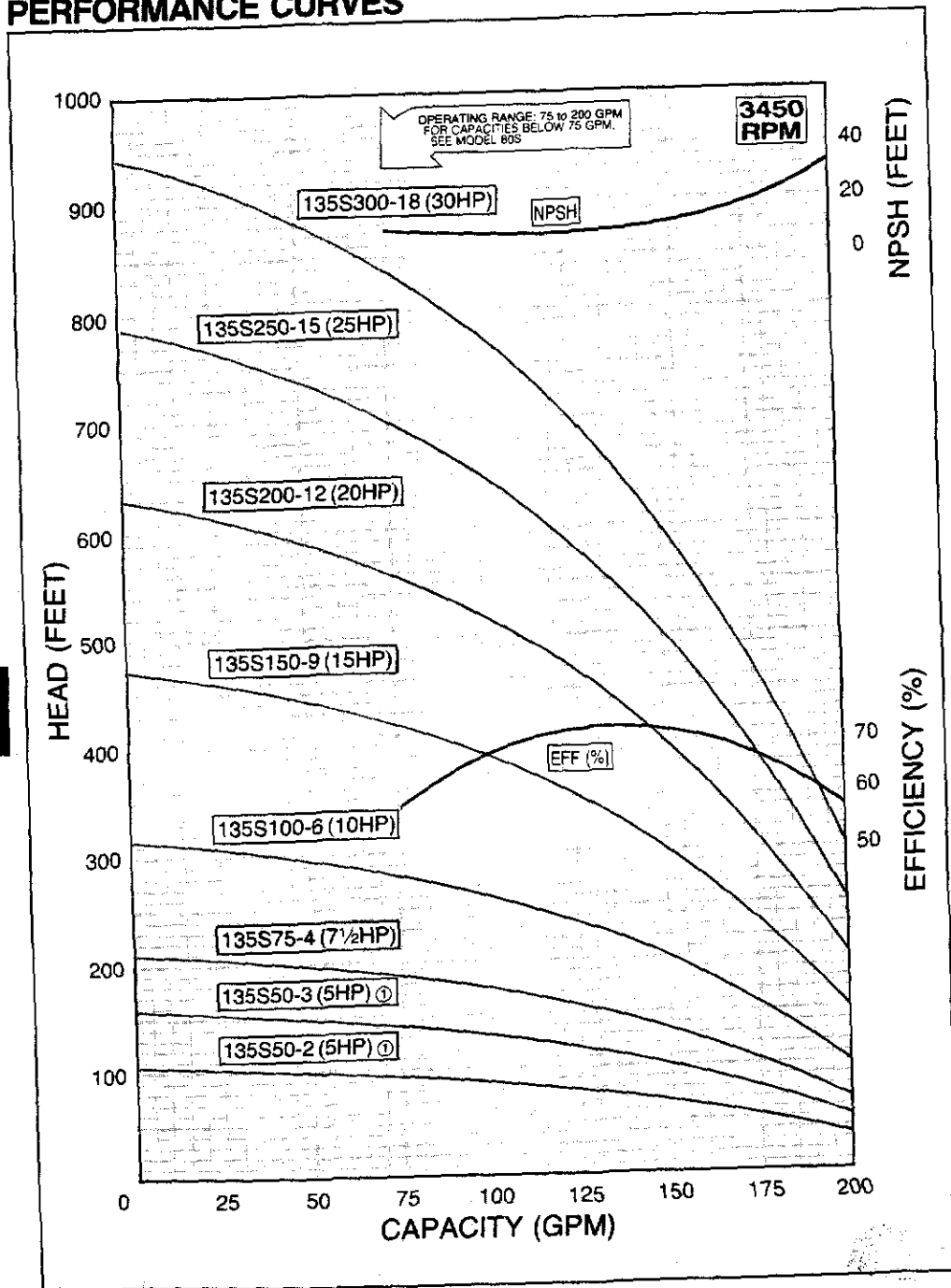
135 GPM

MODEL 135S

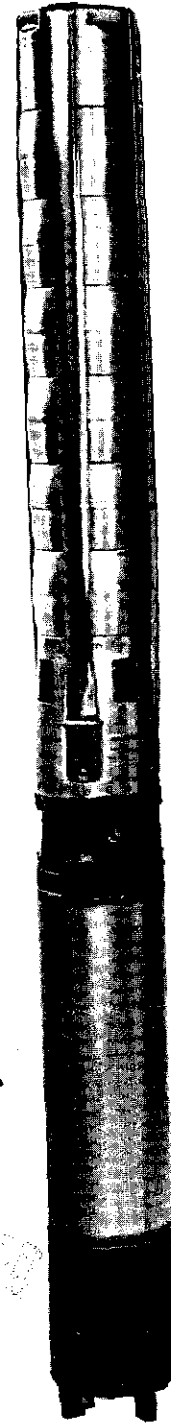
PERFORMANCE CURVES

FLOW RANGE
75 to 200 GPM

PUMP OUTLET
3" NPT



Cozy word 7 1/2 HP No pressure pump



DIMENSIONS AND WEIGHTS

MODEL NO.	HP	MIN. WELL SIZE (INCHES)	LENGTH (INCHES)	MAX. WIDTH (INCHES)	APPROX. G.W. SHIPPING WT. (LBS.)
135S50-2	5①	6	42 1/2	5 1/2	84
135S50-3	5①	6	47	5 1/2	88
135S75-4	7 1/2	6	51 1/2	5 3/4	146
135S100-6	10	6	59 7/8	5 3/4	167
135S150-9	15	6	73	5 3/4	186
135S200-12	20	6	86 1/4	5 3/4	225
135S250-15	25	6	99 1/4	5 3/4	243
135S300-18	30	6	112 3/8	5 3/4	268

NOTES:

① 4-inch motor.
Specifications are subject to change without notice.
See Deep Set models for higher head.

NO
①
②
opt
Sp
not
Se

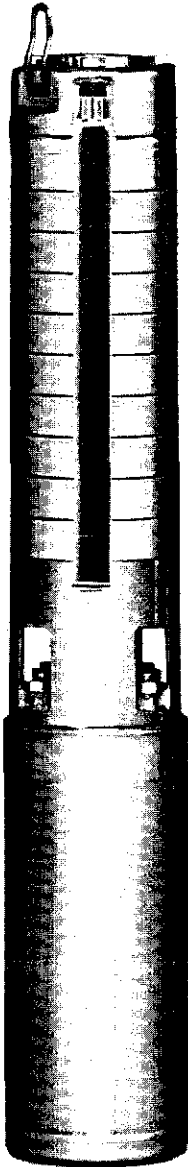
MODEL
16S

16 GPM

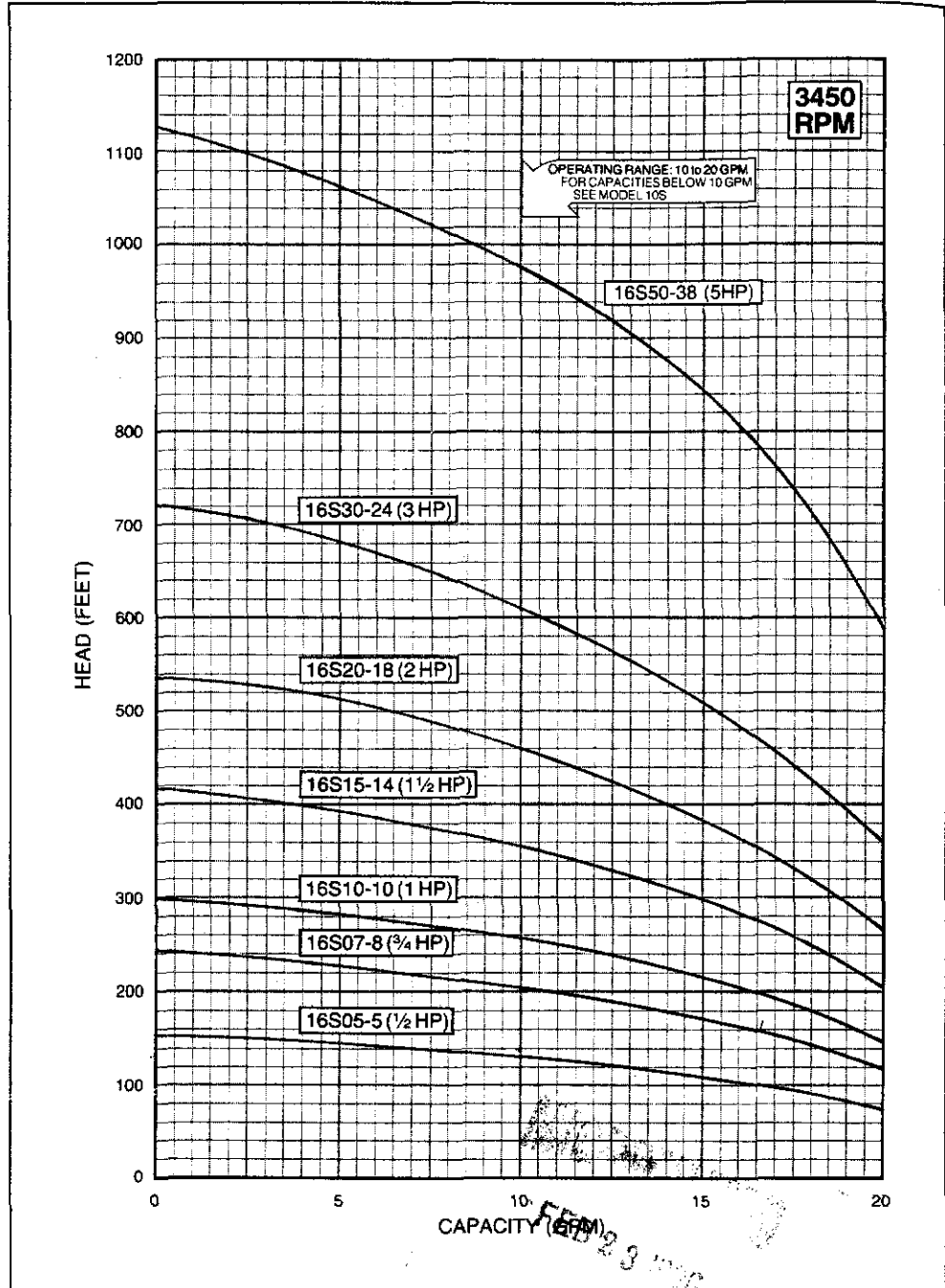
GRUNDFOS

FLOW RANGE
10 to 20 GPM

PUMP OUTLET
1 1/4" NPT



PERFORMANCE CURVES



DIMENSIONS AND WEIGHTS

MODEL NO.	HP	LENGTH (INCHES)	WIDTH (INCHES)	APPROX. UNIT SHIPPING WT. (LBS.)
16S05-5	1/2	21 3/8	3 15/16	27
16S07-8	3/4	24 3/8	3 15/16	29
16S10-10	1	26 3/8	3 15/16	32
16S15-14	1 1/2	32	3 15/16	36
16S20-18	2	34 5/8	3 15/16	40
16S30-24	3	46 5/8	3 15/16	64
16S50-38	5	62 3/4	3 15/16	94

Specifications are subject to change without notice.

*Boyer Wood
1 1/2 HP
pressure pump*



T3N R1W
Sec 20
SWNE + NWSE

T3N
~~T2N~~

FEB 23 1996

2N ↓

63-11426

GENERAL SERVICES ADMINISTRATION

13-1471

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

- 63-91-W-149
1. DRILLING PERMIT NO: 63-95-W-0064-001 OTHER APPLICABLE NO: 63-11426
2. OWNER: Roger Wood Phone: 467-1110
Address: 7211 Airport Rd Nampa
3. WELL LOCATION: Twp 3N, Rge. 1W, Sec. 20, SW 1/4 NE 1/4
County Canyon (Provide sketch map and photo on reverse.)
4. DRILLER: Johnston + Trean Valley Lic. No. 92 + 560
When Drilled? orig 1991 deepened 1995
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 170 ft. Method Drilled Cable
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 110 ft. Water Temperature cold °F
Flowing Artesian ☐ Yes ☒ No Pressure: 50 (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: _____

63-11426

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:** _____

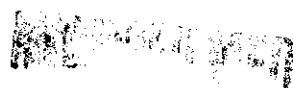


Signature of Dept. Representative & Title

8/17/95

Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:



FEB 23 1996

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

USE TYPEWRITER OR
BALLPOINT PEN

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.

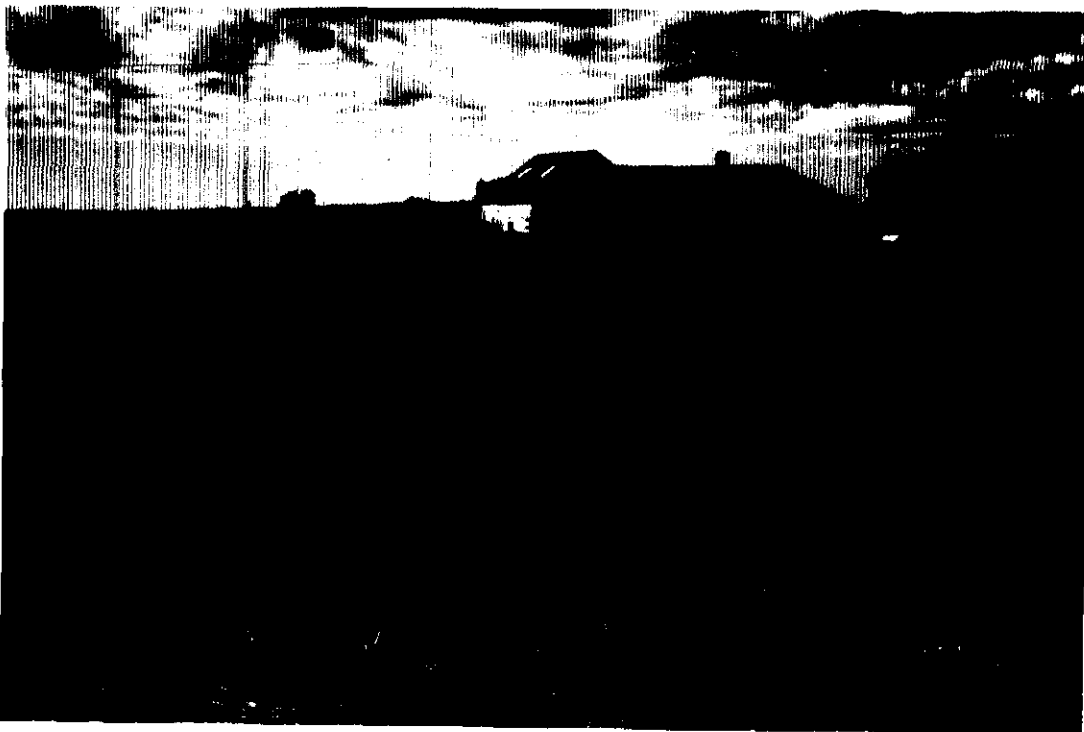
1. WELL OWNER Name <u>Roger Wood</u> Address <u>1000 Central Robinson Rd. Nampa ID</u> Drilling Permit No. <u>63-91-W-149</u> Water Right Permit No. <u>63-11426</u>		7. WATER LEVEL Static water level <u>98</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u>56°F</u> Quality <u>good</u> Describe artesian or temperature zones below.																																																																													
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA <u>NOT TESTED</u> ☐ Pump ☐ Bailer ☐ Air ☐ Other _____																																																																													
3. PROPOSED USE ☒ Domestic ☒ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		<table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</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>		Discharge G.P.M.	Pumping Level	Hours Pumped																																																																									
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>16</td><td>0</td><td>5</td><td>TOPSOIL</td><td> </td><td> </td></tr><tr><td>16</td><td>5</td><td>35</td><td>BASALT</td><td> </td><td> </td></tr><tr><td>16</td><td>35</td><td>50</td><td>DEBRIS CINDERS</td><td> </td><td> </td></tr><tr><td>12</td><td>50</td><td>87</td><td>GRAVEL</td><td> </td><td> </td></tr><tr><td> </td><td>87</td><td>88</td><td>WHITE CLAY</td><td> </td><td> </td></tr><tr><td> </td><td>88</td><td>104</td><td>WHITE SAND -030</td><td>X</td><td> </td></tr><tr><td> </td><td>104</td><td>120</td><td>WHITE CLAY</td><td> </td><td> </td></tr><tr><td> </td><td>120</td><td>147</td><td>WHITE SAND -030</td><td>X</td><td> </td></tr><tr><td> </td><td>147</td><td>149</td><td>WHITE CLAY</td><td> </td><td> </td></tr><tr><td> </td><td>149</td><td>158</td><td>WHITE SAND -030</td><td>X</td><td> </td></tr><tr><td>12</td><td>158</td><td>170</td><td>WHITE CLAY</td><td> </td><td> </td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	16	0	5	TOPSOIL			16	5	35	BASALT			16	35	50	DEBRIS CINDERS			12	50	87	GRAVEL				87	88	WHITE CLAY				88	104	WHITE SAND -030	X			104	120	WHITE CLAY				120	147	WHITE SAND -030	X			147	149	WHITE CLAY				149	158	WHITE SAND -030	X		12	158	170	WHITE CLAY		
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5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>250</u> inches</td><td><u>12</u> inches</td><td><u>2</u> feet</td><td><u>170</u> feet</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☒ Torch ☐ Gun Size of perforation <u>1/8</u> inches by <u>6</u> inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>600</u> perforations</td><td><u>115</u> feet</td><td><u>165</u> feet</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>19</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 ☐ Cemented between strata Describe access port <u>1 in plug in C90</u>		Thickness	Diameter	From	To	<u>250</u> inches	<u>12</u> inches	<u>2</u> feet	<u>170</u> feet													Number	From	To	<u>600</u> perforations	<u>115</u> feet	<u>165</u> feet							Handwritten notes: - Pump 30A - FEB 28 1996																																													
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LOCATION OF WELL Sketch map location <u>must</u> agree with written location. <table border="1"><tr><td>N</td><td></td><td></td></tr><tr><td>W</td><td>X</td><td>E</td></tr><tr><td></td><td></td><td></td></tr><tr><td>S</td><td></td><td></td></tr></table> Subdivision Name _____ Lot No. _____ Block No. _____ nty <u>CANYON</u> <u>1/4</u> <u>NE</u> <u>1/4</u> Sec. <u>20</u> , T. <u>3</u> N ☒ S ☐ R. <u>1</u> E ☐ W ☒		N			W	X	E				S			10. Work started <u>MAY 8 91</u> finished <u>JUN 28 91</u>																																																																	
N																																																																															
W	X	E																																																																													
S																																																																															
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>Johnston Drilling</u> Firm No. <u>92</u> Address <u>3720 Southside Blvd.</u> Date <u>JUL 11 91</u> Signed by (Firm Official) <u>[Signature]</u> and (Operator) <u>[Signature]</u>																																																																															



— P/D
2 pumps
in well



Booster pump
used to
combine
surface H_2O
into irrig
system.



Domestic
+
Irrigation

FEB 9 8 1996

March 2, 1995

ROGER S WOOD
7211 AIRPORT RD
NAMPA ID 83687

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-11426

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,

JULIE L. YARBROUGH
Senior Secretary

c: IDWR - Region

RECEIVED
MAR 29 1995

MAR 29 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

February 18, 1993

Roger S Wood
7211 Airport Road
Nampa, ID 83687

Re: Permit No. 63-11426

Dear Permit Holder:

Enclosed is a copy of the approved request for extension of time. The time within which to submit proof of beneficial use is extended to March 1, 1995. Please note that the department has granted this extension based on due diligence. It is important that you work diligently toward the completion of this project during the construction period allowed since the department may not be able to grant additional extensions.

If you have any questions or if I can be of any further assistance, please feel free to contact this office.

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

Enclosure

C: IDWR-Regional Office

APR 22 1993

December 31, 1992

ROGER S WOOD
7211 AIRPORT RD
NAMPA ID 83687

PROOF DUE NOTICE

RE: PERMIT NO. 63-11426

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 March 1, 1993. (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.

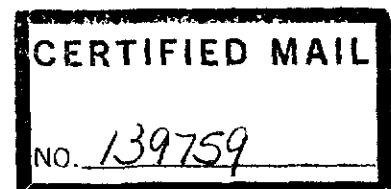
If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental 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,

Karen L. Gustafson
Secretary/Records Manager

Enclosures



RECEIVED
APR 22 1993

DATE 4/2/92

FROM

Arlan McElrath

TO

63-11426

SUBJECT

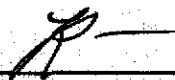
per telephone, new address:

Roger S. Wood
7211 Airport Rd.
Tampa 83687

new phone: 467-1110

RECEIVED

APR 22 1993



SIGNATURE



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

March 19, 1991

ROGER S. WOOD
1000 CENTRAL ROBINSON RD.
NAMPA, ID 83687

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 63-11426

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.

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

RECEIVED
MAR 19 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

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MAR 20 1991

NOTICE OF APPLICATION FOR WATER RIGHT

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

63-11426 *st*

WOOD, ROGER S.
1000 CENTRAL ROBINSON RD.
NAMPA, ID 83687

Source: GROUNDWATER

Diversion Pt:

SWNE

Sec 20 T 03N R 01W

Sharla Ward

Use: IRRIGATION
STOCKWATER
DOMESTIC

(.400 CFS)
(.050 CFS)
(.040 CFS)
Total Diversion: (.490 CFS)

of Nampa, Canyon County, Idaho, being first duly sworn, deposes and says:

Date Filed: 12/10/1990

In: T03N R01W S20

SWNE

NWSE

20.00 ACRES TOTAL

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 JANUARY 7, 1991.

R. KEITH HIGGINSON
Director
December 19, 28, 1990

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
) SS.
County of Canyon)

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was over the age of eighteen years, and not a party to the above entitled action.

2. That I am the Principal Clerk of the Idaho Press-Tribune, a daily, (except Saturday) newspaper published in the City of Nampa and Caldwell, in the County of Canyon, State of Idaho; that the said newspaper is in general circulation in the said County of Canyon, and in the vicinity of Nampa and Caldwell, and has been uninterruptedly published in said County during a period of seventy-eight consecutive weeks prior to the first publication of the notice, a copy of which is hereto attached.

3. That the notice, of which the annexed is a printed copy, was published in said newspaper
two times

—in the regular and entire issue of said paper, and was printed in the newspaper proper, and not in a supplement.

4. That said notice was published the following dates:

December 19, 26, 1990

Sharla Ward

STATE OF IDAHO)
)
COUNTY OF CANYON)

On this 26th day of December in the year of 1990, before me, a Notary Public, personally appeared Sharla Ward, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he/she executed the same.

Janner Lusk
MY COMMISSION EXPIRES
JULY 12th, 1991

Notary Public for Idaho
Residing at Nampa

DEC 27 1990

Revised and re-issued by the Director
Western Regional Office

MAR 1 9 1991

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Western Region
2735 AIRPORT WAY

Boise, Idaho 83705
(208) 334-2190

DECEMBER 11, 1990

Press-Tribune
P.O. Box 9399
Nampa, ID 83652

Dear Legal Dept.:

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 JANUARY 7, 1991.

Yours truly,

GAIL GARRETT
Secretary

Encl.

RECEIVED
DEC 11 1990
WATER RESOURCES
DIVISION

63-11426

WOOD, ROGER S.
1000 CENTRAL ROBINSON RD.
NAMPA, ID 83687

Source: GROUNDWATER

Diversion Pt: SWNE Sec 20 T 03N R 01W

Use: IRRIGATION	(.400 CFS)
STOCKWATER	(.050 CFS)
DOMESTIC	(.040 CFS)
Total Diversion:	(.490 CFS)

Date Filed: 12/10/ 1990

In: T03N R01W S20 SWNE NWSE

20.0 ACRES TOTAL

