



p10

p11

T15
R2W

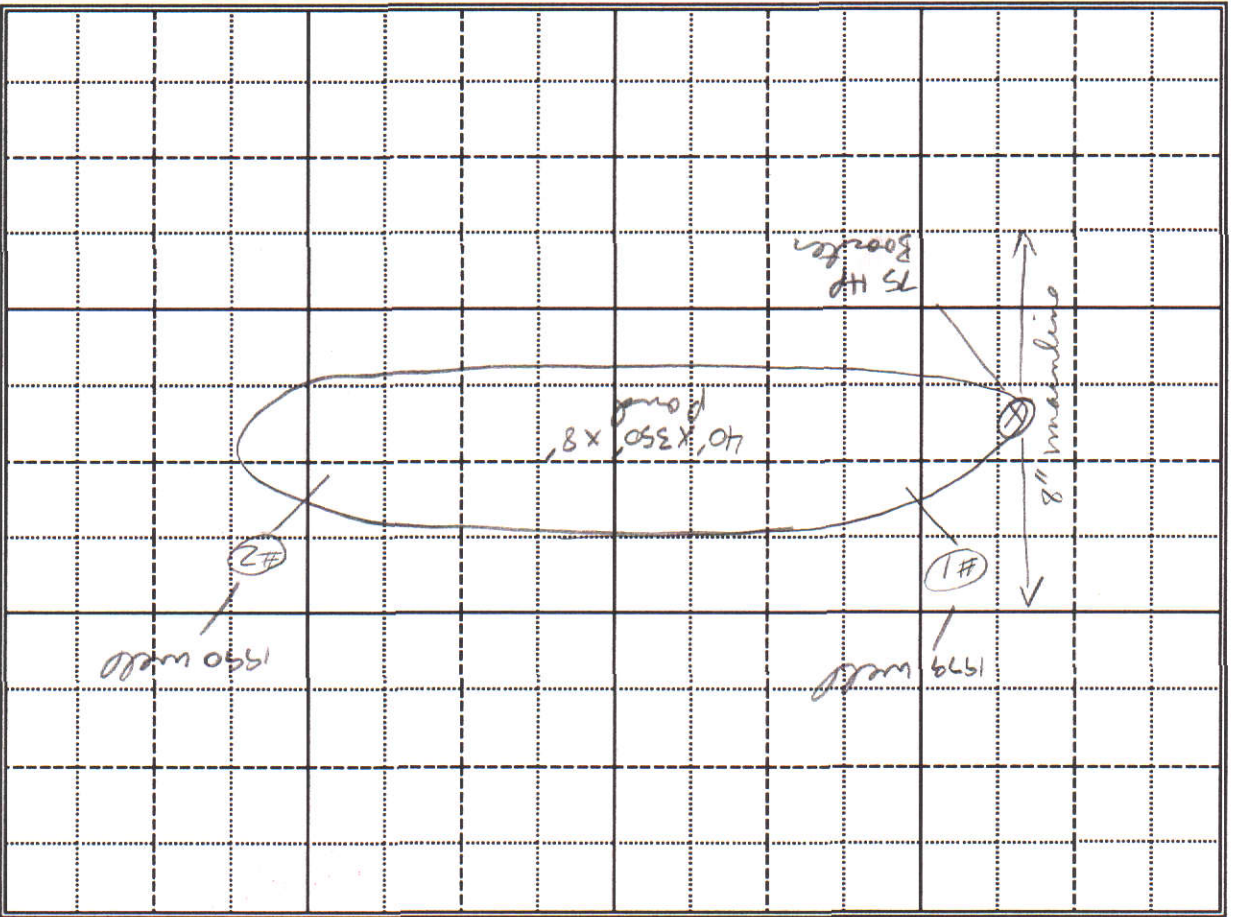
63-11096

Drilling Permit
63-90-W-006
Approval upon
Request 3/6/90

IDA CO

JUN 02 1990

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
#1 (1979)	Grundfos	15	"	Submersible	225 S 150-6
#2 (1990)	"	15	"	"	"

*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:

Theoretic

The pump curve was not used because the wells due not provide normal availability

of H₂O.

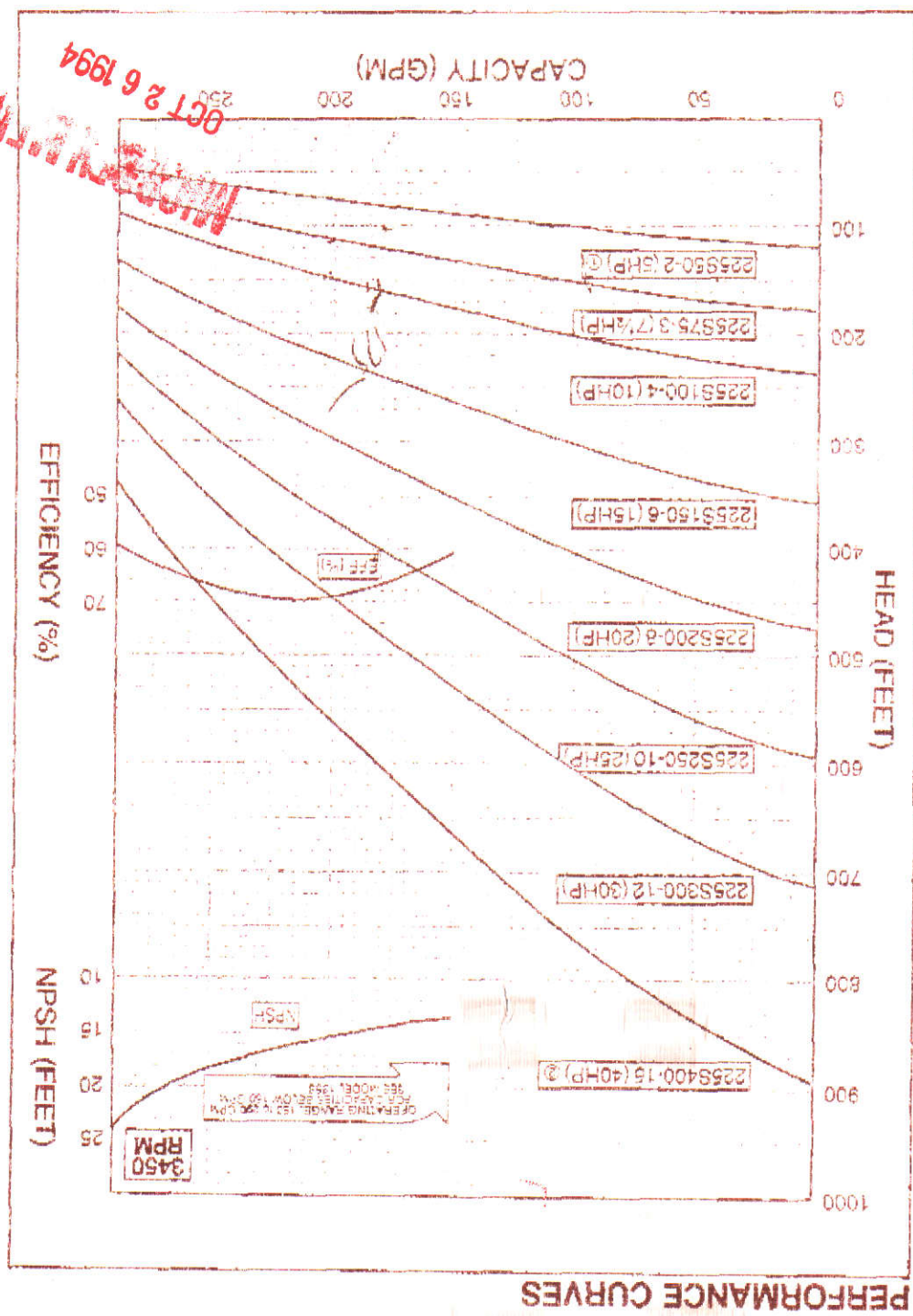
10/10/2010

225S MODEL

225 GPM

GUNDFOS

FLOW RANGE
150 to 290 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.)
225S50-2	5	6	43 3/8	5 3/4	86
225S75-3	7 1/2	6	48 1/4	5 3/4	133
225S100-4	10	6	54 3/8	5 3/4	145
225S150-6	15	6	64 3/4	5 3/4	174
225S200-8	20	6	75 1/4	5 3/4	195
225S250-10	25	6	85 5/8	5 3/4	221
225S300-12	30	6	96 7/8	5 3/4	260
225S400-15	40	6	117 3/4	5 3/4	320

NOTES:
① 4-inch motor, optional.
② 6-inch motor standard; 8-inch motor optional.
Specifications are subject to change without notice.
See Deep Set models for higher head.

18
19.5

19
9.2

20
6.9

T3918

4
22.9

T3917
27.6

3
2.9

2
14.5

1
15.2

T3919

2
25.1

3
7.1

4
7.5

T5582

N/NW

12.1

24.7

N/NW

5
38.0

MISSOURY FED
OCT 26 1994

4
58.9

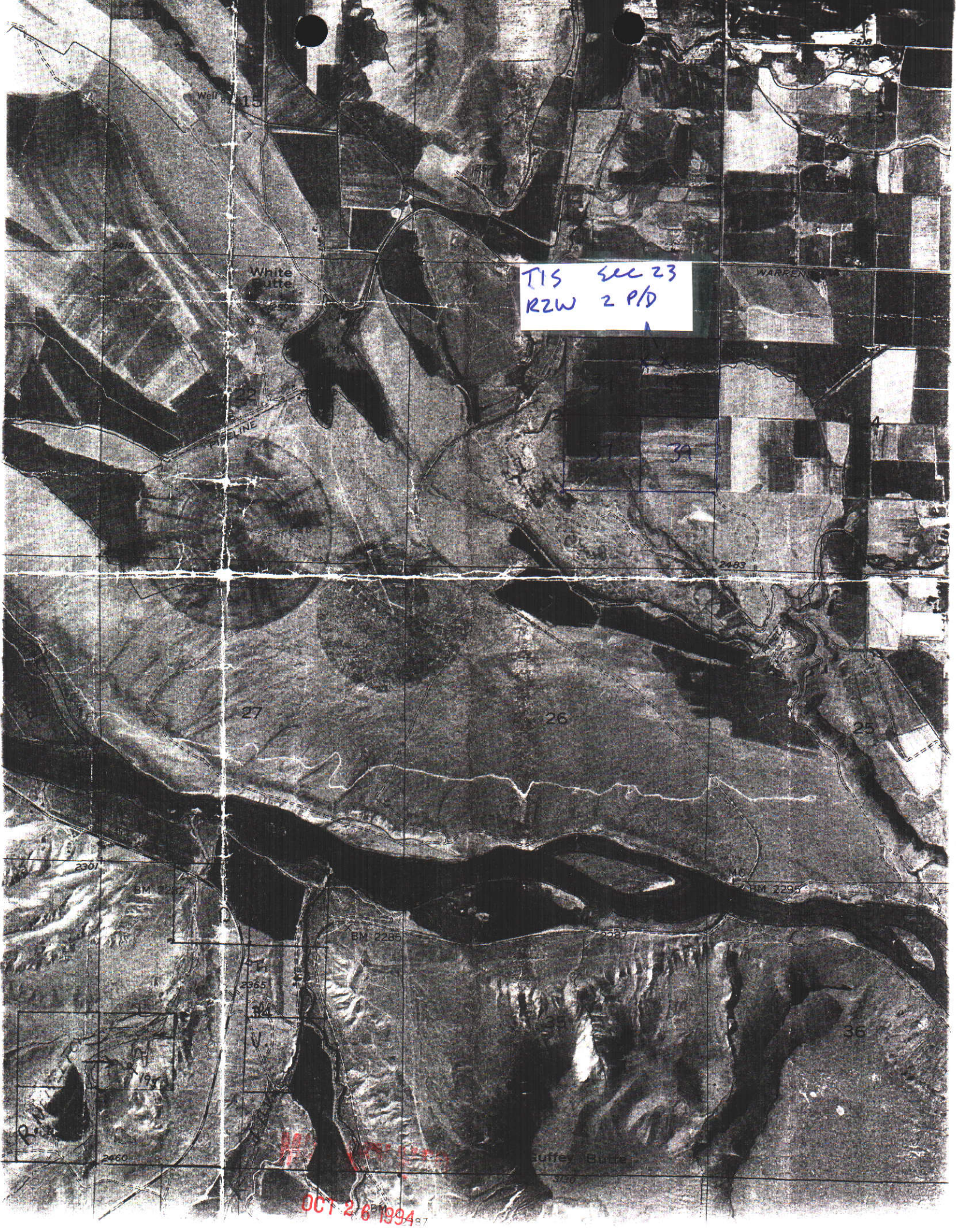
3
32.9

T3414

22 23
27 26

SEE Q

19



Well 15

White Butte

TIS sec 23
RZW 2 P/D

WARREN

PIPELINE

27

26

25

36

2307

BM 2282

BM 2285

BM 2298

2965

2460

Suffey Butte

OCT 26 1994



open discharge
into pond
(combined w/
surface water)



350' x 40' x 8' pond
(2.57 af)

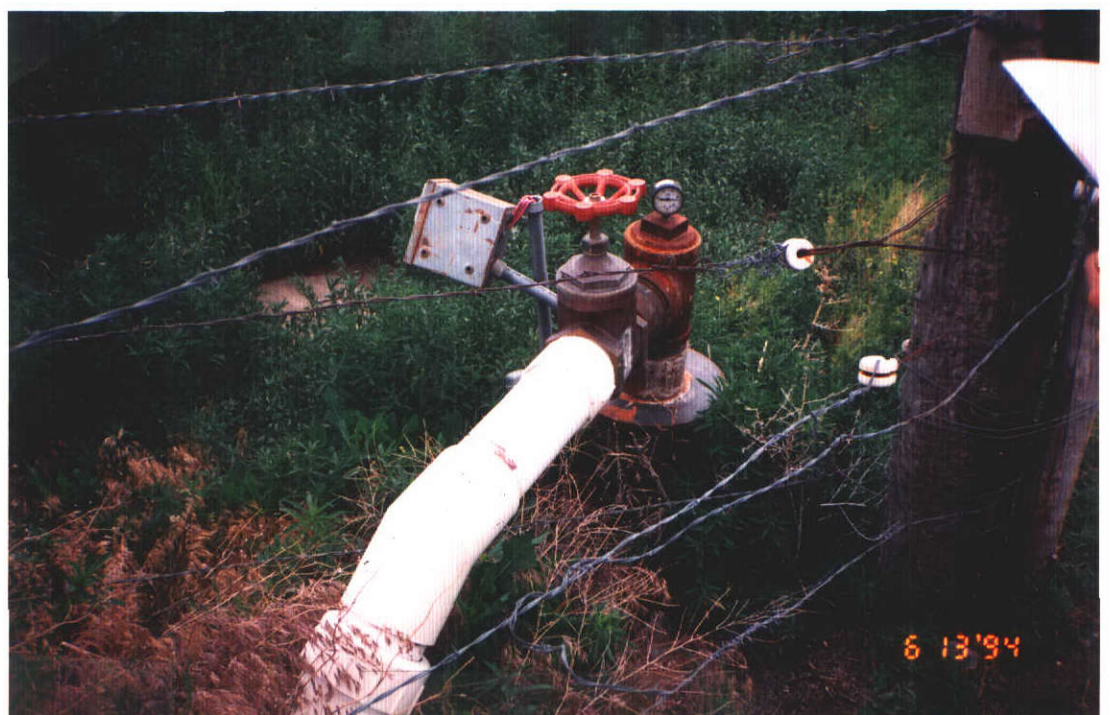


DOT 2 6 1994

75 HP booster
pump for
surface H₂O +
Groundwater
pumpage
into mainline
system



1977 - drilled
8" well
15 HP submers
pump



1990 - drilled
8" well
15 HP submers
pump

MIDWESTERN
OCT 26 1994

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-11096

Priority: January 15, 1990

Maximum Diversion Rate: 0.74 CFS

Maximum Diversion Volume: 361.1 AF

This is to certify, that PAUL JESENKO
WANDA JESENKO

HC 79 BOX 46
MELBA ID 83641

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated January 15, 1990; and has submitted Proof of Beneficial Use on May 14, 1992. An examination indicates that the works have a diversion capacity of .740 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	0.74 CFS	361.1 AF

LOCATION OF POINT(S) OF DIVERSION: SENE, Sec. 23, Township 01S, 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>
01S	02W	23	SWNE 39	SENE 35	NESE 39	150
			NWSE 37			

Total number of acres irrigated: 150

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 that 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. 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.
6. The right holder shall fully use all surface water rights appurtenant to the lands identified above prior to using water under this right.
7. Two points of diversion are located within SENE, S23, T01S, R02W.

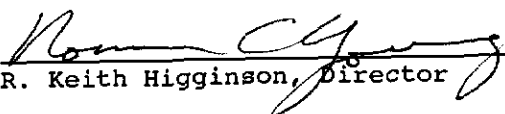
OCT 26 1994

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-11096

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 18TH
day of OCTOBER, 1994.

Acting for  R. Keith Higginson, Director



OCT 26 1994

RECEIVED

MAY 14 1992

OFFICE USE ONLY

Amt. of Fee \$ 125.00
Date 5-14-92
Receipt No. 2024166
Receipt by WLBSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Department of Water Resources**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 a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 63-11096 Telephone No. 495-2532
2. Name(s) of Permit Holder(s): Paul & Wanda Gesenko
3. Mailing Address: HC 79 Box 46 Melba, ID 83641
4. Source of Water: Groundwater
- If **GROUNDWATER**, Well Driller's Name: Russ Johnson Date Drilled: 5/90

OPTIONAL:

Pump horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft.): _____

5. Extent of Use (as authorized by the permit):

Domestic _____ (No. of households) Stockwater _____ (No. and type of stock)

Irrigation 160 (No. of acres) Other _____

6. Total rate and/or volume for which proof is submitted
- 1.20
- cfs OR _____ acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

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

OR

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

8. Fee Enclosed: \$
- 125.00
- (See License Fee Schedule on back of Instruction Sheet)

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

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.

Date

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

OCT 26 1994

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-11096

Proposed Priority: January 15, 1990 Maximum Diversion Rate: 1.20 CFS
This is to certify, that PAUL JESENKO

WANDA JESENKO
HC 79 BOX 46
MELBA, ID 83641

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	1.20 CFS

LOCATION OF POINT(S) OF DIVERSION: SENE Sec. 23, Township 01S, Range 02W
CANYON County

PLACE OF USE: IRRIGATION

<u>TWN RGE SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
01S 02W 23	SWNE 40	SENE 40	NESE 40	160
	NWSE 40			

Total number of acres irrigated: 160

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 1992.
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. 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.
5. 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.
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

24 day of May, 1990
MICROFILMED

JUN 9 1990

for *[Signature]*
R. Keith Higinson, Director

Ident. No. 63-11096

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: PAUL JESENKO 208-495-2532
Address: HC 79 BOX 46
MELBA, ID 83641
AND/OR
Name: WANDA JESENKO 208-495-2532
Address: HC 79 BOX 46
MELBA, ID 83641

2. Source: GROUNDWATER Trib. to:
3. Location of Point of Diversion: SENE Sec. 23, Township 01S, Range 02W
CANYON County

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AF
IRRIGATION	03/15	11/15	1.200		

5. Total quantity to be appropriated is:
1.200 CFS (and/or) AF

6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc.
8", 250 WELL, PUMP & PIPELINES FOR SPRINKLER IRRIGATION
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 groundwater with a temperature greater than 90F 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

8. Description of proposed uses:
SUPPLEMENTAL IRRIGATION FOR 160 ACRES

9. Place of Use: IRRIGATION

TWN	RGE	SEC	ACRES	ACRES	ACRES	TOTAL
01S	02W	23	SWNE 40	SENE 40	NESE 40	160
			NWSE 40			160
Total number of acres irrigated:						160

MICROFILMED

JUN 03 1980

10. Describe any other water rights used for the same purposes.
BOISE-KUNA IRRIGATION DISTRICT

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 IS A SUPPLEMENTAL RIGHT TO REPLACE LAPSED PERMIT 63-10448.

13. Map of proposed point of diversion and place of use attached? ☒

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.

Saul Jensen
Applicant

Received by SR Date 1/15/90 Time 11:20 Preliminary check by SP

Fee \$ 65.00 Receipted by SR # W007583 Date 1/15/90

Publication prepared by GG Date 1/31/90 Published in Press-Tribune

Publication approved st Date 3-13-90 ^{2/7 & 2/14/90}

MICROFILMED

JUN 9 1990





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

October 19, 1994

PAUL JESENKO
WANDA JESENKO
HC 79 BOX 46
MELBA ID 83641

RE: WATER RIGHT NO. 63-11096

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,

A handwritten signature in cursive script that reads "Shelley W. Keen".

Shelley W. Keen
Water Rights Supervisor

SK:dc

Enclosure

A faint, rectangular stamp or mark, possibly a date stamp, located in the bottom right corner of the page.

OCT 26 1994

LICENSE REVIEW CHECKLIST

PERMIT NO. 63-11096 DATE 9-20-94



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? _____ Overlaps? ☒
PLACE OF USE	☒	☒	Amendment needed? _____ Overlaps? <u>surface w/r only 63-02388</u>
DIV RATE	☐	☒	Permit/fee limits: <u>1.20</u> Meas Q = <u> </u> Theo Q = <u>.74</u> Recommend: <u>.74</u> <u>150 x .02 = 3.0</u> Combined rates exceed capacity ☐
ANNUAL VOLUME	☐	☒	Season of use: <u>D/4.5 (3-15 to 11-15)</u> Calculations: <u>150 x 4.5 = 675</u> Flow limit: <u>.74</u> cfs x <u>246</u> x 1.9835 = <u>361.1</u> < 675 Combined volumes exceed capacity/allowable ☐
USES	☐	☒	Change in Nature of Use or additional uses? _____ Amendment necessary? ☐
REMARKS	<u>W32</u>	☐	Multiple p/d(s) in ¼ ¼? <u>(SENE - 523 - 15 - 24)</u> <u>WB3</u> ☐ Other <u>BOISE-KUNA IRR DIST WATER</u>
CONDITIONS	☐	☒	Measuring/Locking Devices ☒ Watermaster control - District ☐ <u>R32</u> ☐ Irrigation Overlap ☒ ☐ Water Quality ☒ ☐ Other ☐ Heat/Cool/ Fish verified ☐

COMMENTS: REDUCE ACRES ; REDUCE RATE to CAPACITY
Supplemental water

RECOMMENDED	CFS	VOL	SRBA Claim Filed	NO-N/A
<u>Irrigation</u>	<u>.74</u>	<u>361.1</u>	Adjustment Memo Needed	<u>NO</u>
_____	_____	_____	LICENSE	☒
_____	_____	_____	1ST AMENDMENT LETTER	_____
_____	_____	_____	FINAL AMENDMENT LETTER	_____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

SEP 2 - 1994

Department of Water Resources

A. GENERAL INFORMATIONPermit No. 63-110961. Owner: Paul + Wanda Perenko Phone No. 495-2532Current Address: HC 79 Box 46 Melba 836412. Accompanied by: Paul EXAM DATE: 6/13/94Address: same Phone No. _____Relationship to Permit Holder: owner3. Source: Groundwater 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
			SE	NE	23	15	2W	Canyon	USGS Quad, USGS photo

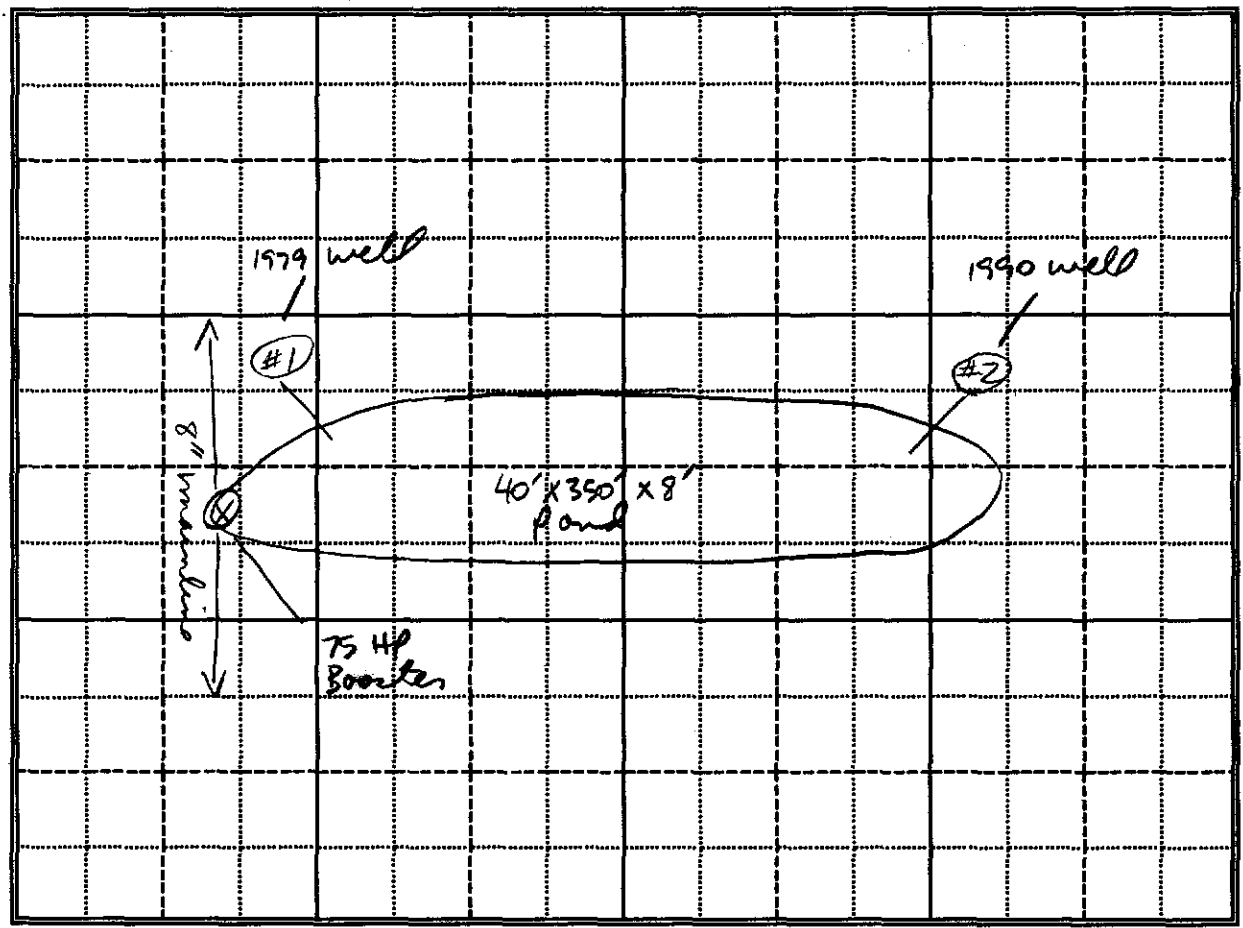
2. Place(s) of Use:

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	
15	2W	23			39	35									39	37			150

OCT 26 1994

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
#1 (1979)	Grundfos	15	submersible		225 S 150-6
#2 (1990)	"	15	"		

*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: Theoretical

The pump curve info was not used because the wells due not provide normal availability of H₂O.

APPROVED

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

$$\#1 \quad \frac{15 \times 8.8 \times .7}{120 + 40 \text{ PSI} \times 2.31} = .44 \text{ cfs}$$

$$\#2 \quad \frac{15 \times 8.8 \times .7}{120 + 85 \text{ PSI} \times 2.31} = .130 \text{ cfs}$$

pumps set @ 130' per pump installed (John Woods) + owner
PSI per gage on wells

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 150 \times 4.5 = 675$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .74 \text{ cfs} \times 246 \times 1.9835 = 361.1$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 361.1$$

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		
<u>Irrigation</u>	<u>3/15</u>	<u>11/15</u>	<u>.74</u>	<u>361.1</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			<u>.74</u>	<u>361.1</u>

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above ____ None
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

I. AUTHENTICATION

Field Examiner's Name Lon Gauer Date 6/16/94

Reviewer _____ Date _____

SEAL

OCT 26 1994

E. NARRATIVE/REMARKS/COMMENTS

Two wells, each with a 15HP submersible pump, supply water to 150 acres. The ground water is open discharged into a pond where it combines with Boise/Kuna Irrigation water. A 75HP booster pumps the combined water into an 8" buried mainline that feeds 8 qts mile sections of handline sprinklers used to irrigate crops and pasture (the ASCS photo does not show the pasture areas planimetered).

Although the wells open discharge into the pond, the dynamic pumping level plus 40 PSI for well #1 and 85 PSI for well #2 is required to pump the water out (per pressure gage on ea well). The appropriate pump curve lists the combined capacity @ 1.0 cfs. The owner and pump installer (John Wood) estimated the combined capacity @ .80 cfs. The .74 cfs recommended is based on the theoretical calculations included in this report. No other water rts are used besides Boise/Kuna water.

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

access port
not necessary

exam
MAY 1994

OCT 26 1994

MODEL
225S

25 GPM

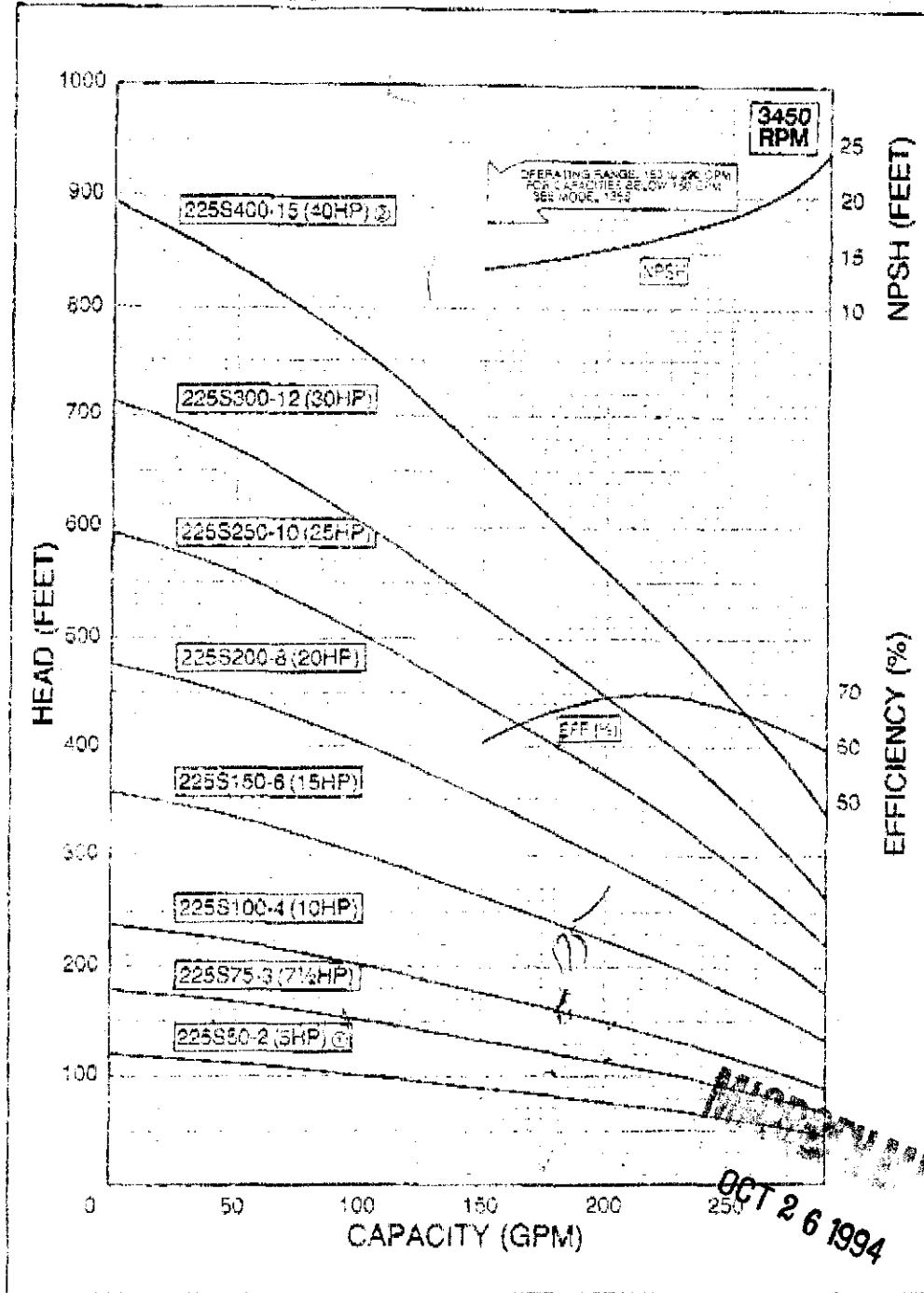
GROUND FOS

FLOW RANGE
150 to 290 GPM

PUMP OUTLET
3" NPT



PERFORMANCE CURVES



DIMENSIONS AND WEIGHTS

MODEL NO.	HP	MIN. WELL SIZE (INCHES)	LENGTH (INCHES)	MAX. WIDTH (INCHES)	APPROX. UNIT SHIPPING WT. (LBS.)
225S50-2	5①	6	43 3/8	5 5/8	98
225S75-3	7 1/2	6	48 1/2	5 3/4	133
225S100-4	10	6	54 3/8	5 3/4	145
225S150-6	15	6	64 3/4	5 3/4	174
225S200-8	20	6	75 1/4	5 3/4	195
225S250-10	25	6	85 5/8	5 3/4	221
225S300-12	30	6	96 7/8	5 3/4	260
225S400-15	40②	6	117 3/8	5 3/4	320

NOTES:
 ① 4-inch motor.
 ② 6-inch motor standard; 6-inch motor optional.
 Specifications are subject to change without notice.
 See Deep Set models for higher head.

3
19.5

T3918

4
22.9

T3917
N/NW
7.6

3
2.9

1
12/6
N/NW

13919

2
25.1

3
7.1

4
7.5

N/NW T5582

12.1

N/NW

5
38.0

RECEIVED

OCT 26 1994

SEE C

TIS sec 23
RZW 2 P/D

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: 63-90-W-006 OTHER APPLICABLE NO: 63-11096
2. OWNER: Paul Jesenko Phone: 495-2532
Address: HC 79 Box 46
3. WELL LOCATION: Twp 15, Rge. 2W, Sec. 23, Se 1/4 Ne 1/4
County Canyon (Provide sketch map and photo on reverse.)
4. DRILLER: Johnston Dr Lic. No. 92
When Drilled? 3/90
5. WELL CONSTRUCTION
- Casing Diameter 8 inches Water tight cap? ☒ Yes ☐ No Access Port: ☒ Yes ☐ No
Casing $\geq$ 12 inches above ground? ☒ Yes ☐ No - Describe _____
Depth of Casing 158 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 OK
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 113 ft. Water Temperature cold/66 °F
Flowing Artesian ☐ Yes ☐ No Pressure: 65 (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: _____ | | |

RECEIVED
OCT 26 1994

open discharged into pond

for Cramer
Signature of Dept. Representative & Title

6/13/94
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

RECEIVED

OCT 26 1994

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: 416 OTHER APPLICABLE NO: 63-

2. OWNER: Paul Jerebko Phone: 495-2532
Address: _____

3. WELL LOCATION: Twp 15, Rge. 2W, Sec. 23, SE 1/4 N 1/4
County Canyon (Provide sketch map and photo on reverse.)

4. DRILLER: ? Lic. No. _____
When Drilled? 1977

5. WELL CONSTRUCTION:

Casing Diameter 8 inches Water tight cap? ☒ Yes ☐ No Access Port: ☒ Yes ☐ No
Casing $\geq$ 12 inches above ground? ☒ Yes ☐ No - Describe _____
Depth of Casing ? ft. Method Drilled ?
Condition of Well Casing: ☐ Good ☒ Fair ☐ Poor Describe _____
Control Valve? ☐ Yes ☒ No Pressure Gauge: ☒ Yes ☐ No
Condition of Piping and Valving OIC
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 213 ft. Water Temperature cold °F
Flowing Artesian ☐ Yes ☒ No Pressure: 45 (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: _____		

RECEIVED

OCT 26 1994

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:

*No log found
open discharged into pond*

Loi Guzman

Signature of Dept. Representative & Title

6/13/94

Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

MIRROTV NED
OCT 26 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

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.

1. WELL OWNER

Name Paul Jesiako 495-2532Address Hc 79 Box 46 Melba, Id. 83641Owner's Permit No. 63-11096 63-90-W-006
water right # DRILLING PERMIT # Temperature 66 °F. Quality good
Describe artesian or temperature zones below.

7. WATER LEVEL

Static water level 113' feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow

Artesian closed-in pressure p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ PlugTemperature 66 °F. Quality good
Describe artesian 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

☐ Pump ☐ Bailer ☐ Air ☒ Other not tested

Discharge G.P.M.

Pumping Level

Hours Pumped

3. PROPOSED USE

- ☐
- Domestic
- ☒
- Irrigation
- ☐
- Test
- ☐
- Municipal
-
- ☐
- Industrial
- ☐
- Stock
- ☐
- Waste Disposal or Injection
-
- ☐
- Other (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>8</u> inches	<u>2</u> feet	<u>73</u> feet
<u>250</u> inches	<u>6</u> inches	<u>121</u> feet	<u>158</u> feet

Was casing drive shoe used? ☐ Yes ☒ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☒ Yes ☐ NoHow perforated? ☐ Factory ☐ Knife ☒ TorchSize of perforation 1/16 inches by 6 inches

Number	From	To
<u>222</u> perforations	<u>121</u> feet	<u>158</u> 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 73' 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

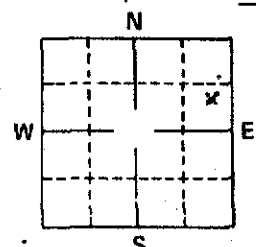
Weld

☐ Cemented between strata

Describe access port

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name APR 02 1992

Lot No. Block No.

County Canyon 15. 2W.SE 1/4 NE 1/4 Sec. 23 T. 1 N. S. R. 2W. 1

10.

Work started 3-10-90 finished 3-26-90

11. DRILLERS CERTIFICATION

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

Firm Name Johnston Drilling Firm No. 72197-C S. Si Blad Melba Date 3-27-90Signed by (Firm Official) Elmer Johnston

and

(Operator) Russ Johnston

OCT 26 1990



1977 - drilled
8" well
15 HP submers
pump



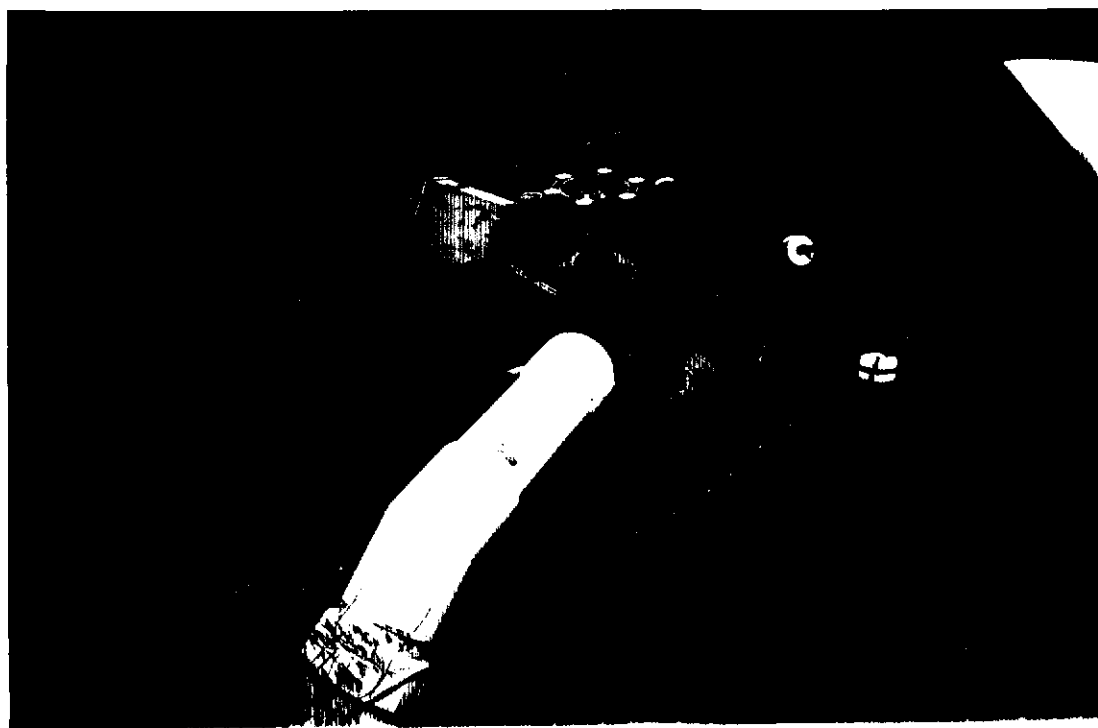
1990 - drilled
8" well
15 HP submers
pump

1990-1991

OCT 26 1991



1977 - drilled
8" well
15 HP submers
pump



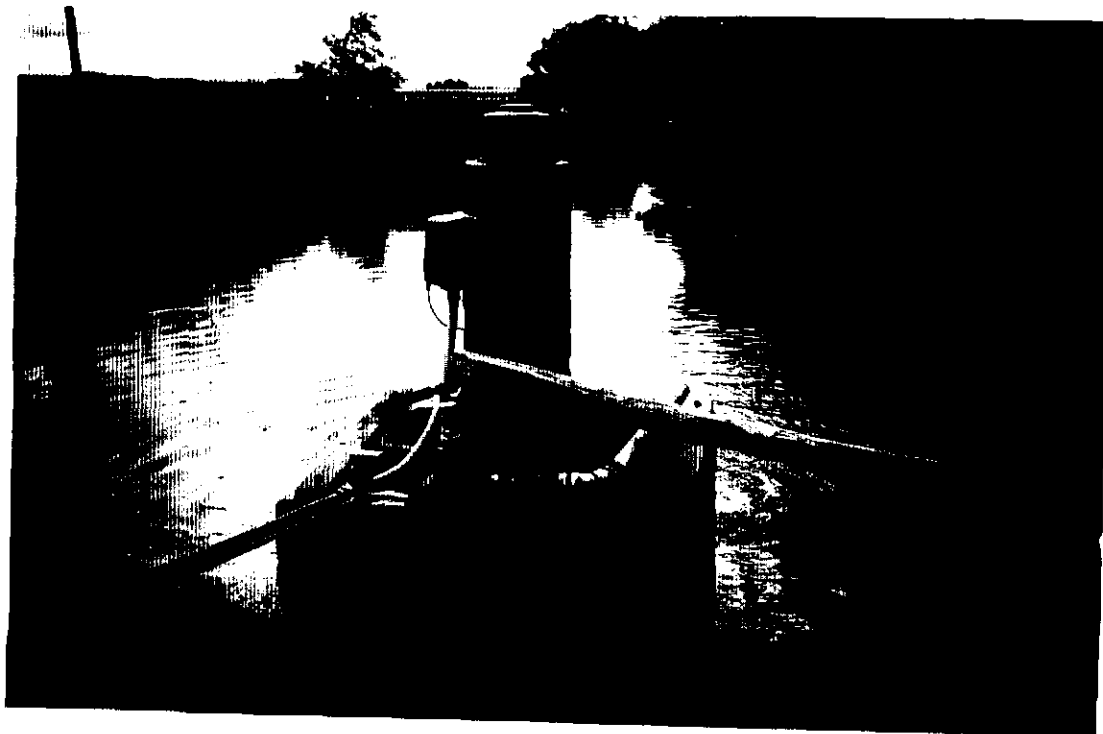
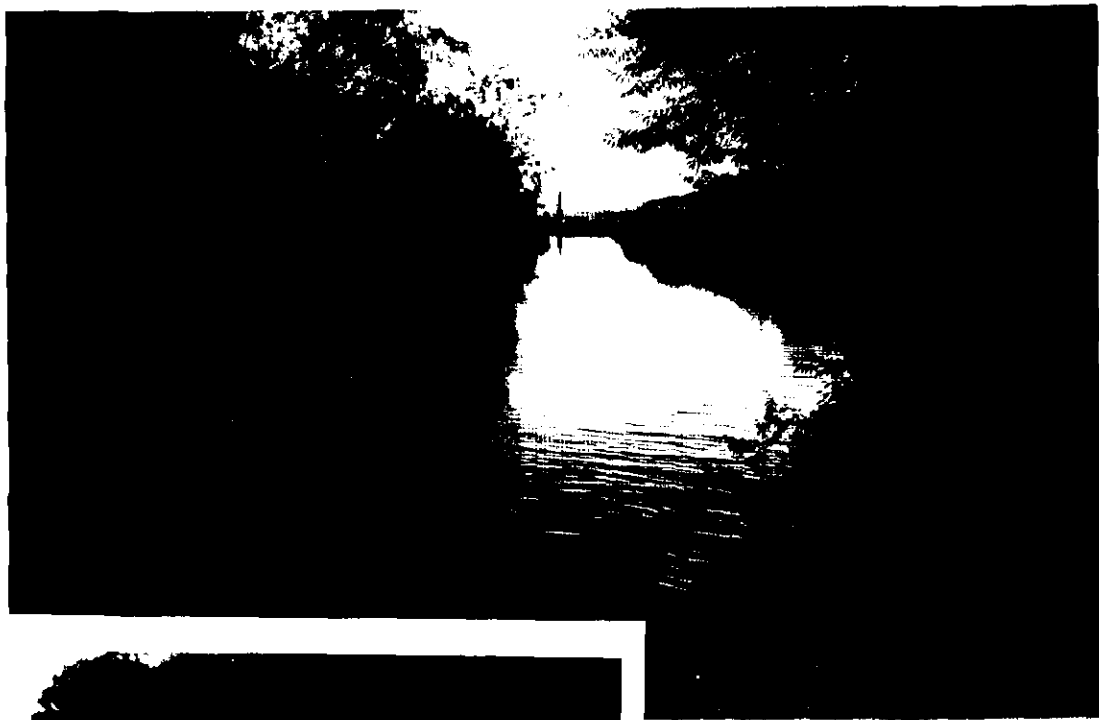
1990 - drilled
8" well
15 HP submers
pump

OCT 26 1994



open discharge
into pond
(combined w/
surface water)

350' x 40' x 8' pond
(2.57 af)



~ 6 1994

75 HP booster
pump for
surface H_2O +
Groundwater
pumpage
into mainline
system

May 22, 1992

PAUL JESENKO
WANDA JESENKO
HC 79 BOX 46
MELBA ID 83641

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-11096

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,

Karen L. Gustafson
Secretary/Records Manager

c: IDWR - Region

OCT 26 1994

Drilling Permit No. 63-90-W-006
Water Right Permit No. 63-11096 (Pending)
Injection Permit No. N/A

State of Idaho
Department of Water Resources
D R I L L I N G P E R M I T

RECEIVED
MAR 08 1990

Department of Water Resources

1. Applicant Paul Jesenko
2. Mailing Address HC 79 Box 46
Melba ID 83641 Telephone 995-2532
- ☒ Well Owner ☐ Well Operator ☐ Other, specify _____
3. Proposed well location SE 1/4 NE 1/4, or Gov't lot No. _____,
Sec. 23, Twp. 15, Rge. 2W, County Canyon,
Street Address of Well Site _____,
Lot, block and subdivision _____
4. Proposed use of well:
☐ Single family or stockwater use (less than 13,000 gallons per day)
☒ Irrigation (more than 1/2 acre) 1.20 ac
☐ Monitoring - A well bore schematic and map is required for each well.
No. of proposed wells: _____
☐ Other (describe fully) _____
5. Well construction information:
A. ☒ New well ☐ Deepen ☐ Replace - See Condition 9.
B. Proposed surface diameter 8" Maximum depth 250'
C. 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. Construction Start Date A. S. A. P.
7. Anticipated Well Driller Johnston Drilling Co. # 092
NOTE: The actual well driller must be identified prior to drilling.
8. Applicant's signature * OK - per water right Date 11/16/90
Title owner applicant's signature
(Owner, Firm Representative, Other)

* A. 7/8/90

OCT 26 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR
BALLPOINT PEN

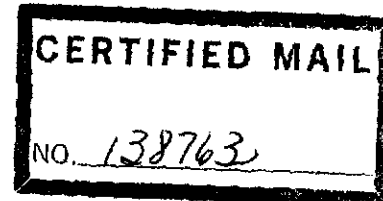
WELL DRILLER'S REPORT

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.

1. WELL OWNER Name <u>Paul Jeske</u> <u>495-2530</u> Address <u>Hc 79 Box 46 Melba, Id 83441</u> Owner's Permit No. <u>63-11096</u> <u>63-9010-000</u>	7. WATER LEVEL Static water level <u>113</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>66</u> °F. Quality <u>good</u> Describe artesian or temperature zones below																																																																																																																																								
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PAUL JESENKO
WANDA JESENKO
HC 79 BOX 46
MELBA ID 83641

March 31, 1992



PROOF DUE NOTICE
RE: PERMIT NO. 63-11096

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, 1992. (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.

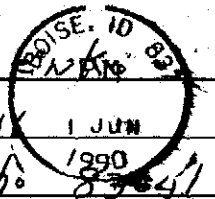
SINCERELY,

Karen L. Gustafson
Secretary/Records Manager

Enclosures

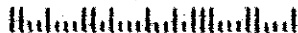
RECEIVED
OCT 26 1994

Paul / Tes
Hc 79 Box 4
Mc/bz Id 26 83641



MICROFILM
OCT 26 1994

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS JUNE 1 1990

Permit No. 63-90-W-006 Department of Water Resources
Name(s) of Permit Holder(s): Paul Jesenke
Post Office Address: Hc 79 Box 46 Melba Id 2
Tel No. 495-2532

- ☐ I hereby certify that construction of diversion works for the above referenced permit began on 3-10-90 (date). I understand that I must continue to develop the water system with due diligence to maintain a valid permit. Finished 3-26-90 New Pumping
- ☐ 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.

6-1-90
Date

Paul Jesenke
Signature of Permit Holder

43-11096

S T A T E O F I D A H O
D E P A R T M E N T O F W A T E R R E S O U R C E S

Statehouse
Boise, Idaho 83720
(208) 327-7900
May 24, 1990

PAUL JESENKO
WANDA JESENKO
HC 79 BOX 46
MELBA, ID 83641

P E R M I T A P P R O V A L N O T I C E

RE: PERMIT NO. P63-11096

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.

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.

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 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

FILED
MAY 24 1990

FROM

Steve L.

TO

File 63-11096

MICROFILMED
JUN 9 1990

DATE

1/15/90

SUBJECT

Drilling Permit 63-90-44006

Applicant, requested drilling permit approval today based on concurrent appl. 63-11096. However, ORT could not approve this due to an ongoing dispute ~~over~~ over a dept decision in a protested application that was recently approved. Advised them to wait until protest period is over for this new appl. & then try to get approval for 63-90-44006.

SIGNATURE

JL

NOTICE OF APPLICATION FOR WATER RIGHT

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

63-11096

JESENKO, PAUL
JESENKO, WANDA
HC 79 BOX 46
MELBA, ID 83641
Source: GROUNDWATER
Diversions Pt:
Use: IRRIGATION

SENE Sec 23 T 01S R 02W
(1.200 CFS)
Total Diversion: (1.200 CFS)

Date Filed: 1/15/1990

In: T01S R02W S23

SWNE SENE NESE NWSE

100.0 ACRES TOTAL

63-11099

WHELAN, JANET L.
WHELAN, PATRICK D.
P.O. BOX 94
HUSTON, ID 83630
Source: GROUNDWATER
Diversions Pt:
Use: IRRIGATION

SWSWNE Sec 14 T 03N R 04W
(.120 CFS)
Total Diversion: (.120 CFS)

Date Filed: 1/16/1990

In: T03N R04W S14 SWNE

4.0 ACRES TOTAL

63-11100

WELLS, LEWIS E.
454 HILL RD. S.
MELBA, ID 83641
Source: GROUNDWATER
Diversions Pt:
Use: IRRIGATION

NWSE Sec 3 T 01S R 02W
(.090 CFS)
Total Diversion: (.090 CFS)

Date Filed: 1/08/1990

In: T01S R02W S03 NWSE

3.0 ACRES TOTAL

63-11101

BROOKHAM CO.
P.O. BOX 520
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt:
Use: IRRIGATION

SWNE Sec 11 T 03N R 04W
(2.080 CFS)
Total Diversion: (2.080 CFS)

Date Filed: 1/12/1990

In: T03N R04W S11 NENE NWNE SWNE SENE

104.0 ACRES TOTAL

63-11103

WILLIAMSON, JOHN A.
14852 SUNNYSLOPE RD.
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt: LOT 4 (SESWNW) Sec 4 T 03N R 04W

SESWNW Sec 4 T 03N R 04W
LOT 1 (NWNENE) Sec 5 T 03N R 04W
LOT 3 (NENENW) Sec 5 T 03N R 04W
LOT 1 (NENENE) Sec 6 T 03N R 04W

Use: IRRIGATION (2.400 CFS)
Total Diversion: (2.400 CFS)

Date Filed: 11/22/1989

In: T03N R04W S04 Lot 3 (NENW) Lot 4 (NWNW) SWNW SENW
S05 Lot 1 (NENE) Lot 2 (NWNE) Lot 3 (NENW) Lot 4 (NWNW)
S06 Lot 1 (NENE)
300.0 ACRES TOTAL

63-11107

BISH WELL
C/O ALTHA M. BISH
3805 BRIAN
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt:
Use: DOMESTIC

SWNWSW Sec 34 T 04N R 03W
(.150 CFS)
Total Diversion: (.150 CFS)

Date Filed: 1/09/1990

In: T04N R03W S34 SWSW

63-11113

PAXTON, ROBERT L.
17369 HWY. 95
WILDER, ID 83676
Source: SPRING
Diversions Pt:
Use: IRRIGATION

Tributary: SNAKE RIVER
NWNESE Sec 3 T 03N R 05W
(.200 CFS)
Total Diversion: (.200 CFS)

Date Filed: 1/19/1990

In: T03N R05W S03 NESE NWSE

10.0 ACRES TOTAL

63-11115

BROWN, OMERA
BROWN, JAY DEAN
2098 S. BLVD. S.
MELBA, ID 83641
Source: GROUNDWATER
Diversions Pt:
Use: IRRIGATION
STOCKWATER
DOMESTIC

NENE Sec 13 T 01S R 02W
(1.580 CFS)
(.070 CFS)
(.040 CFS)
Total Diversion: (1.690 CFS)

Date Filed: 1/24/1990

In: T01S R02W S13 NENE NWNE

79.0 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 FEBRUARY 28, 1990.

R. KEITH HIGGINSON, Director

F y 7 14 1

AFFIDAVIT OF PUBLICATION

RECEIVED

FEB 13 1990

STATE OF IDAHO)
) ss.
County of Canyon)

Department of Water Resources
Western Regional Office

Rebecca Stiehl

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

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:

February 7, 14, 1990

Rebecca Stiehl

STATE OF IDAHO)
)
COUNTY OF CANYON)

On this 14th day of February in the year of 1990, before me, a Notary Public, personally appeared Rebecca Stiehl, 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 executed the same.

Janet Lusk
Notary Public for Idaho
Residing at Nampa

MY COMMISSION EXPIRES
JULY 12th, 1991

MICROFILMED

JUN 03 1990

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

Boise, Idaho 83705
(208) 334-2190

JANUARY 31, 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 FEBRUARY 26, 1990.

Yours truly,

GAIL GARRETT
Secretary

Encl.

MICROFILMED

JUN 05 1990

63-11096

JESENKO, PAUL
JESENKO, WANDA
HC 79 BOX 46
MELBA, ID 83641

Source: GROUNDWATER

Diversion Pt: SENE Sec 23 T 01S R 02W

Use: IRRIGATION (1.200 CFS)
Total Diversion: (1.200 CFS)

Date Filed: 1/15/1990

In: T01S R02W S23 SWNE SENE NESE NWSE
160.0 ACRES TOTAL

RECORDED

JUN 05 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

SEP 2 - 1994

Department of Water Resources

A. GENERAL INFORMATIONPermit No. 63-110961. Owner: Paul + Wanda Jecenko Phone No. 495-2532Current Address: HC 79 Box 46 Melba 836412. Accompanied by: Paul EXAM DATE: 6/13/94Address: same Phone No. _____Relationship to Permit Holder: owner3. 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
			SE	NE	23	15	2W	Canyon	USGS Quad, Aerial Photo

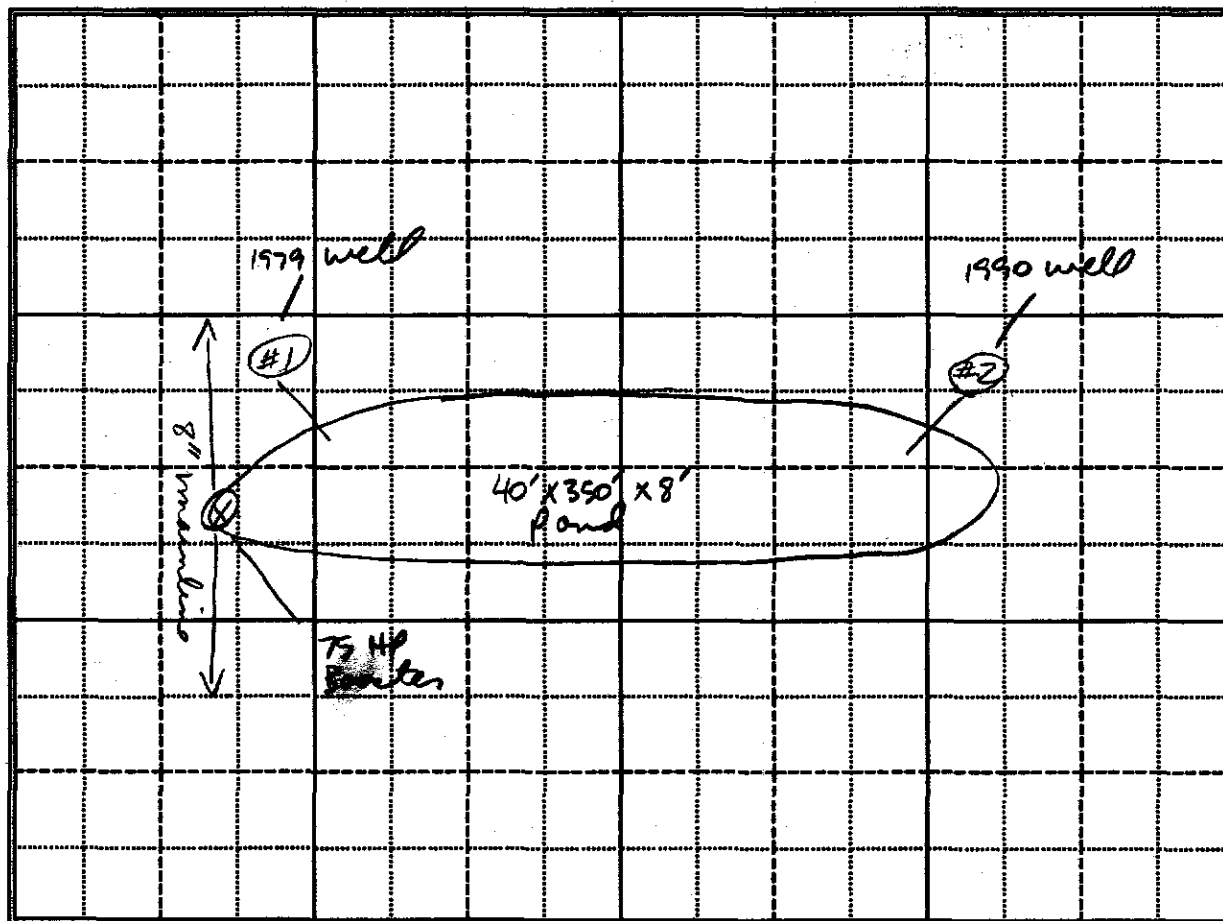
2. Place(s) of Use:

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	
15	2W	23			39	35									39	37			150

OCT 26 1994

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate well 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
#1 (1979)	Grundfos	15	submersible		225 S 150-6
#2 (1990)	"	15	"		

*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: Theoretical

The pump curve info was not used because the wells did not provide normal availability of H₂O.

RECEIVED

E. NARRATIVE/REMARKS/COMMENTS

Two wells, each with a 15HP submersible pump, supply water to 150 acres. The ground water is open discharged into a pond where it combines with Boise/Kuna irrigation water. A 75HP booster pumps the combined water into an 8" buried mainline that feeds 8 qts mile sections of handline sprinklers used to irrigate crops and pasture (the ASCS photo does not show the pasture areas planimetered).

Although the wells open discharge into the pond, the dynamic pumping level plus 40 PSI for well #1 and 85 PSI for well #2 is required to pump the water out (per pressure gage on ea well). The appropriate pump curve lists the combined capacity @ 1.0 cfs. The owner and pump installer (John Wood) estimated the combined capacity @ .80 cfs. The .74 cfs recommended is based on the theoretical calculations included in this report. No other water rts are used besides Boise/Kuna water.

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

access port
not necessary
exam
MAY 26 1994

OCT 26 1994

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

$$\#1 \quad \frac{15 \times 8.8 \times .7}{120 + 40 \text{ PSI} \times 2.31} = .44 \text{ cfs}$$

$$\#2 \quad \frac{15 \times 8.8 \times .7}{120 + 85 \text{ PSI} \times 2.31} = .30 \text{ cfs}$$

pumps set @ 130' per pump installed (John Woods) + owner
psi per gage on wells

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{LR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 150 \times 4.5 = 675$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .74 \text{ cfs} \times 246 \times 1.9835 = 361.1$$

$$V = \text{Smaller of } V_{LR} \text{ and } V_{D.R.} = 361.1$$

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		
<u>Irrigation</u>	<u>3/15</u>	<u>11/15</u>	<u>.74</u>	<u>361.1</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			<u>.74</u>	<u>361.1</u>

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above ____ None
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

I. AUTHENTICATION

Field Examiner's Name Tom Gauer Date 6/16/94

Reviewer _____ Date _____

SEAL

NOTED

OCT 26 1994