

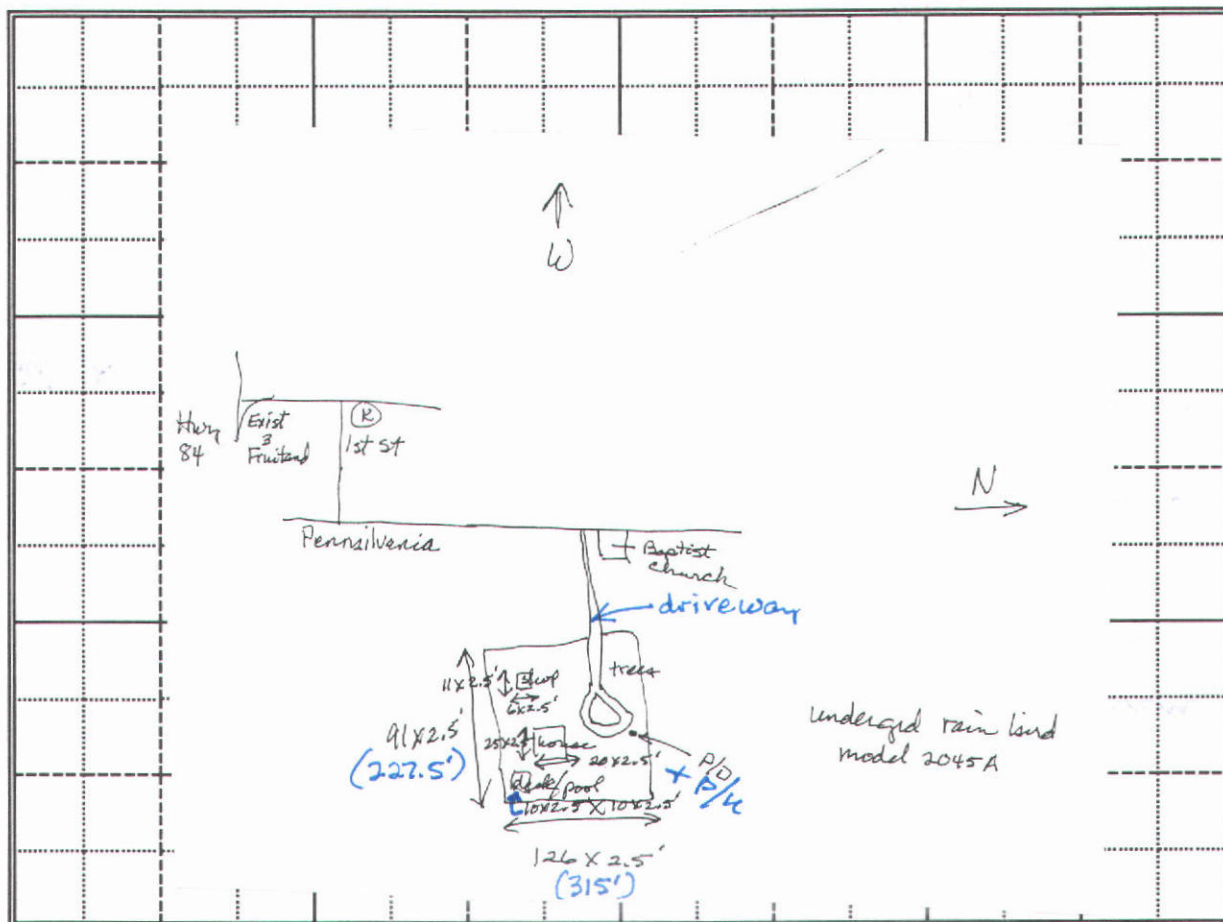


5000 6000 7000
1 KILOMETER

1 MILE
FEET

116° 52' 30"

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).

NA

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
Submersible		3		Sta-Rite	2"

*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:

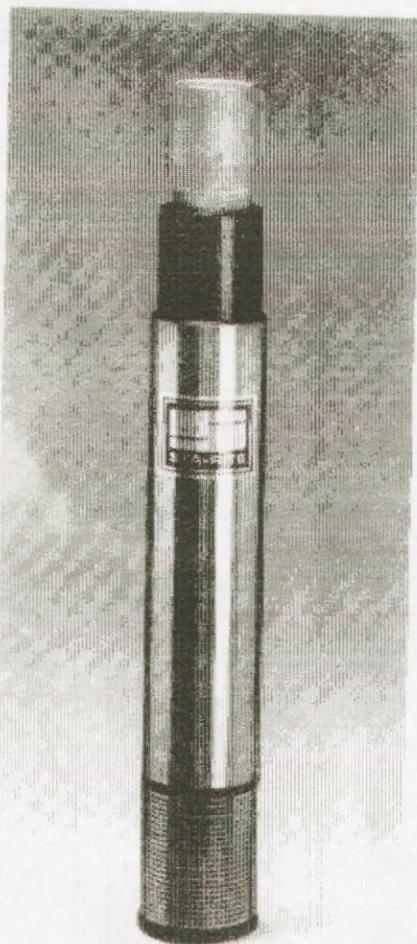
UNRECORDED

JAN 25 1996

4" Submersible Pumps

40 GPM

Design Series



Reliable and rugged, the 40 GPM submersible may be used in wells 4" or larger.

Applications

Water systems for residential, industrial, commercial, multiple housing and farm use

Materials

Discharge – cast iron
 Impeller Hubs – brass
 Impellers – Tyrl[®]
 Sleeve/spacers – stainless steel
 Shaft and coupling – stainless steel
 Shell – stainless steel
 Lead guard – stainless steel
 Intake bracket – cast iron
 Screen – stainless steel

Features

Discharge – Close-grained cast iron construction provides smooth water passages for maximum efficiency.

External Check Valve – Tough glass-filled polycarbonate check valve. O-ring fitted for positive seal against Celcon[®] valve seat, with anti-rotation lugs. Brass valve body.

Tyrl[®] Impellers & Diffusers – Precision molded and dynamically balanced... ultra-smooth for highest performance and efficiency.

Sleeve/Spacers – Assure precision build-up while maintaining proper internal clearances.

Stainless Steel Pump Shaft – Precision ground for exact bearing fit and straightness. Full-length keyway provides positive impeller drive.

Stainless Steel Splined Coupling – Precision fit guarantees perfect alignment and uniform power transfer... incorporates resilient neoprene spline protectors at both ends of coupling.

Stainless Steel Pump Housing – Highest grade heavy walled stainless casing for maximum protection against corrosive water conditions.

Top Quality Hardware – Lead guard, screws, washers, nuts and bolts are constructed of non-corrosive materials.

Rugged Intake Bracket – Ductile iron completely encloses and protects pump-to-motor shaft coupling. Cutless type fluted rubber bearing maintains proper shaft alignment and assures superior sand handling capabilities.

Ordering Information

Pump Ends Only

Series	HP	Stages	Disch.	Catalog No.	Approx. Wt. lbs.
40	1-1/2	5	2"	L40P4FS	20
	2	7	2"	L40P4GS	22
	3	10	2"	L40P4HS	27
	5	17	2"	L40P4JS	45

Please refer to Motors and Controls section for proper selection.

[®]Tyrl is a registered trademark of Dow Chemical Co.

[®]Celcon is a registered trademark of Celcon Plastics Co.

MICROFILMED

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STA-RITE. Built On Commitment.

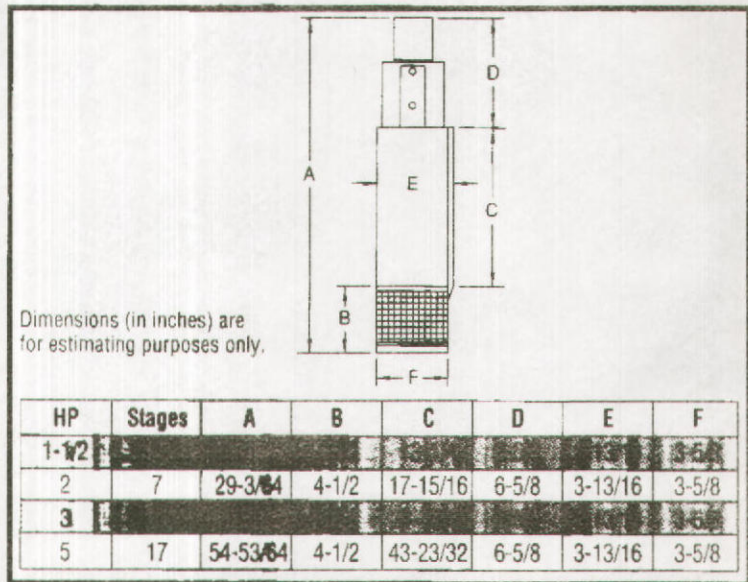
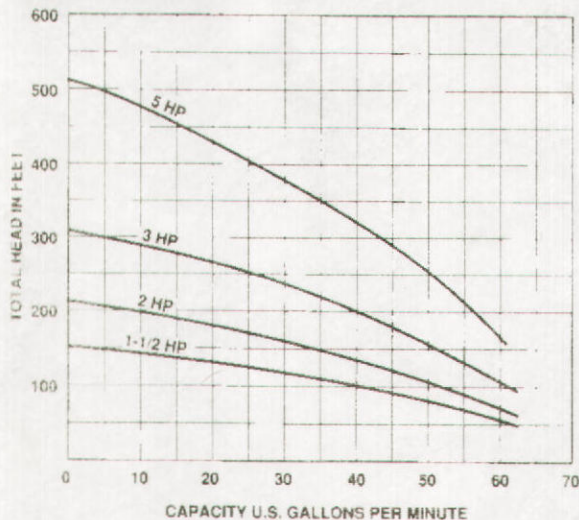
SUBMERSIBLE PUMPS

per Growers Supply/Inc
(208) 452-4561

4" Submersible Pumps

40 GPM Design Series

Pump Performance



Pump Performance

HP	Series	PSI	Pumping Depth in Feet														
			20'	40'	60'	80'	100'	125'	150'	175'	200'	250'	300'	350'	400'	450'	500'
			Capacity — Gallons Per Minute														
1-1/2	40	0	—	—	59.3	50.8	40.0	24.0	4.4								
		30	46.6	35.5	22.0	9.1											
		40	33.1	18.8	1.5												
		50	16.0														
		60															
2	40	0	—	—	63.1	58.5	52.8	46.0	33.1	21.5	8.0						
		30	56.4	50.0	42.4	34.0	24.8	11.5									
		40	48.8	40.8	32.0	22.8	12.4										
		50	40.0	31.1	21.5	10.8											
		60	29.5	20.0	9.1												
3	40	0	—	—	—	—	61.0	56.4	51.4	46.4	41.4	36.4	31.4	26.4	21.4	16.4	11.4
		30	63.0	59.5	60.0	51.8	47.1	40.4	32.8	23.5	16.4						
		40	58.8	55.0	50.8	46.4	40.4	33.1	25.4	17.1							
		50	54.4	50.4	45.5	39.5	33.0	25.0	17.0	8.0							
		60	49.5	46.8	38.8	32.8	26.8	18.4	9.0								
5	40	0	—	—	—	—	—	—	59.1	64.7	50.6	43.7	35.3	26.1	16.0	4.2	
		30	—	—	—	—	59.7	57.0	54.3	51.2	48.1	45.0	41.9	38.8	35.7	32.6	29.5
		40	—	—	—	59.2	57.2	54.5	51.7	48.3	44.9	36.9	27.9	17.9	6.9		
		50	—	—	59.0	56.9	54.9	51.8	48.5	45.2	41.9	38.6	35.3	32.0	28.7	25.4	22.1
		60	60.7	58.7	56.5	54.3	51.9	48.6	45.3	41.3	37.1	21.6	18.1	7.3			

CAUTION: DO NOT use pump at flow rates indicated by the symbol —. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

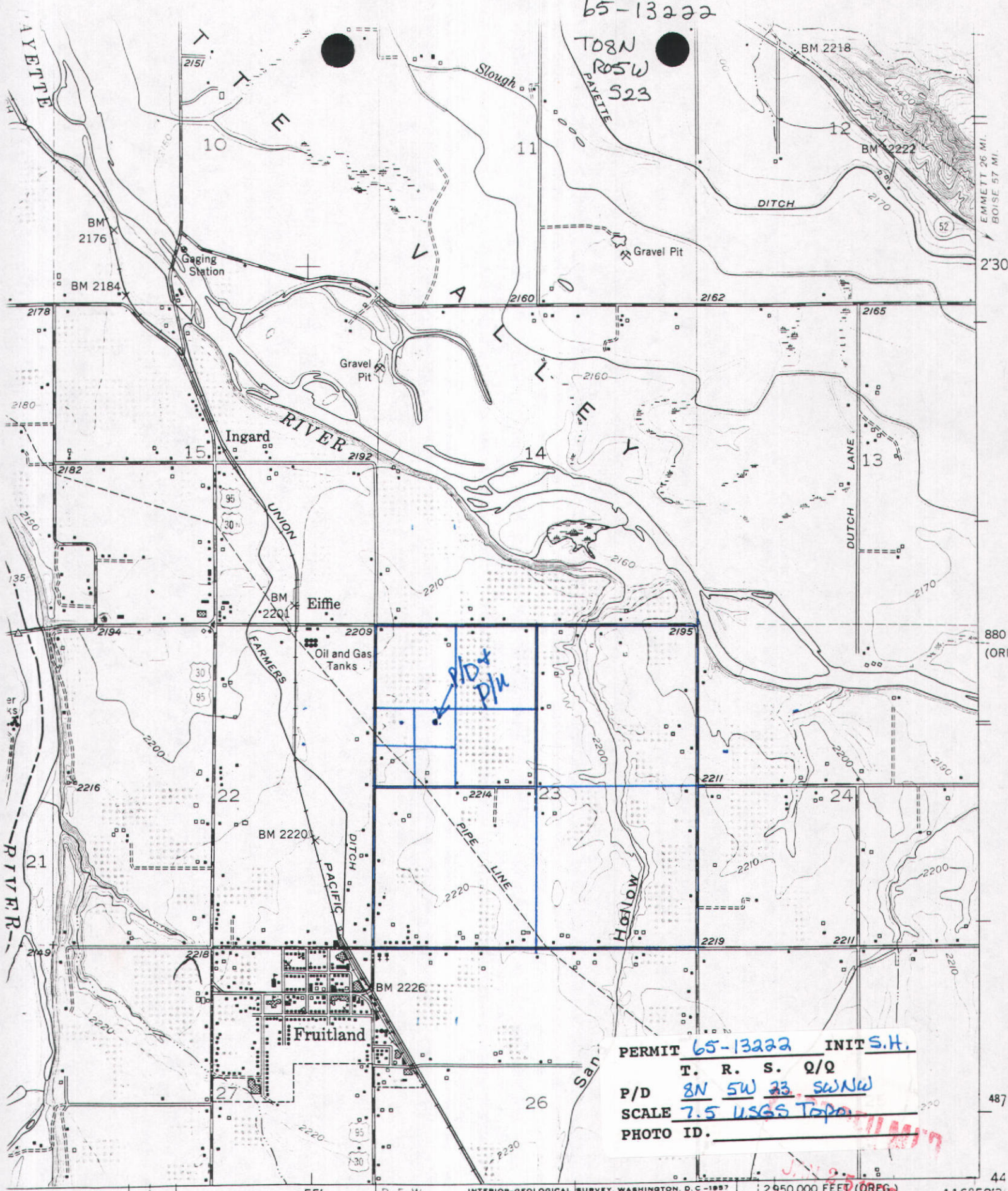
Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a CON-AIRE® tank require a 100# relief valve. Pumps installed with a conventional tank require a 75# relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

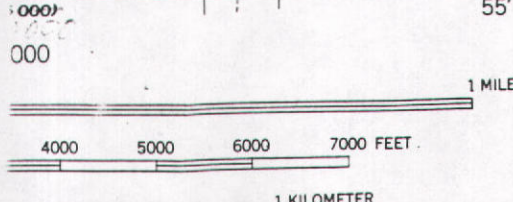
JAN 25 1996

65-13222

T08N
R05W
S23



PERMIT 65-13222 INIT S.H.
T. R. S. Q/Q
P/D 8N SW 33 SWNW
SCALE 7.5 USGS Topo
PHOTO ID. _____



INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C. - 1957
NEW PLYMOUTH 6.8 MI
CALDWELL 3.1 MI
509000m.E. 116°52'3

ROAD CLASSIFICATION

Heavy-duty	4 LANE FLANE	Light-duty
Medium-duty	4 LANE FLANE	Unimproved dirt
U. S. Route State Route		

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.

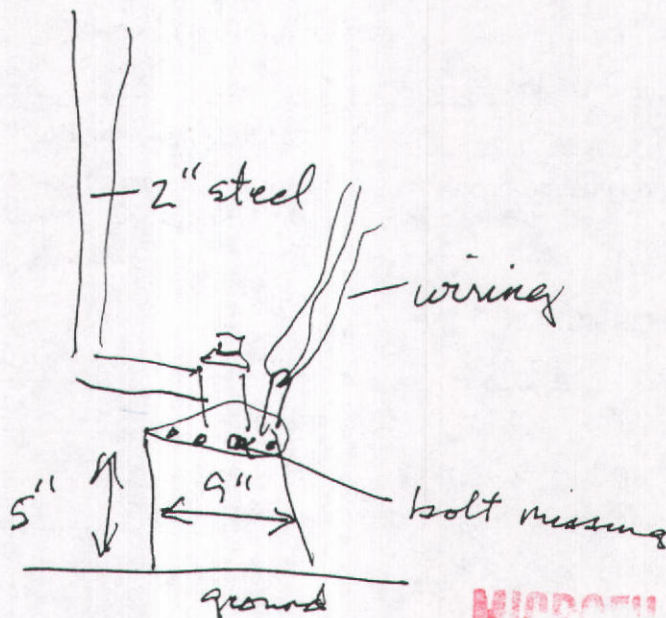
REMARKS:

Casing is only 5" above ground level + bolt
missing off top of cap

And Hernandez WR Agent
Signature of Dept. Representative & Title

11/16/94
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:



RECEIVED

JAN 25 1996

65-13222
11/16/94 S.H.



shut off valve

2" converts to 1"
buried PVC for
entire yard

P/D:

pre-existing
well



8" casing
5" above ground

2" steel

JAN 2 5 10 1995

Sta-Rite submersible
pump 3HP

50 psi
pumping depth 40'



65-13222
11/16/94 S.H.

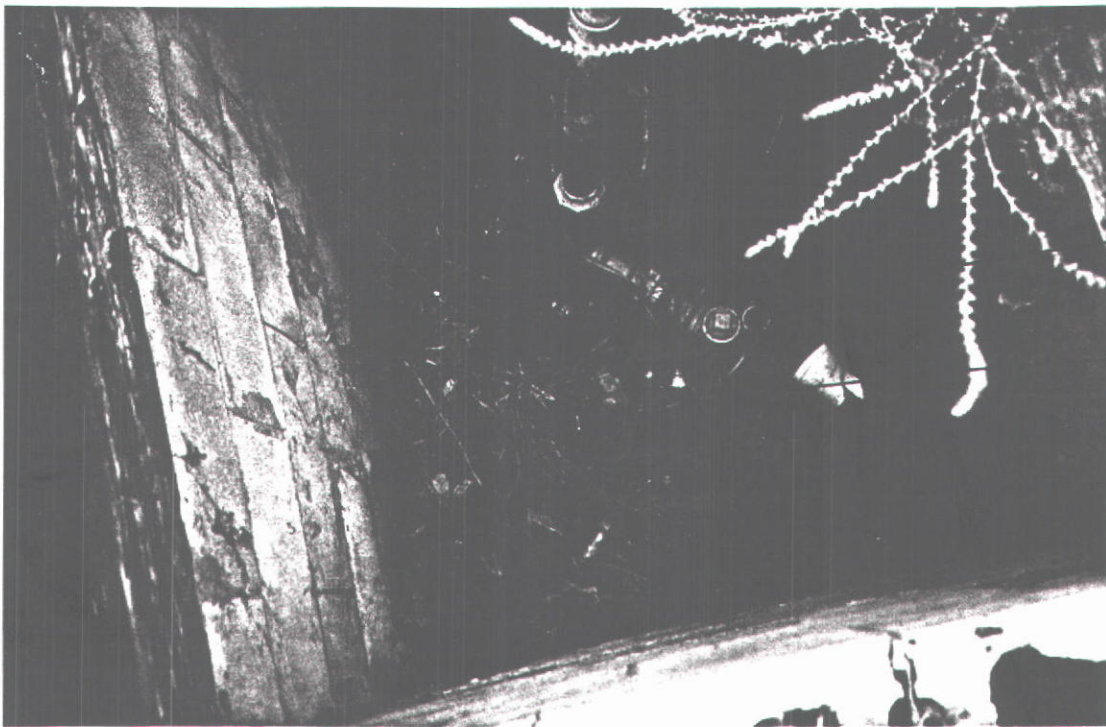
P/u:
irrigation of
yard

underground
rainbird
model 2045A
off 1" PVC - entire
yard



P/u:
irrigation
fruit trees +
yard
JAN 25 1996

WR # 65-13222
11/16/94 S.H.



ball
missing

casing
only 5"
above the
ground

65-13222-1

JAN 25 1996

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 65-13222

Priority: April 13, 1990

Maximum Diversion Rate:

0.03 CFS

This is to certify, that ROGER FAIRCHILD
MARY J FAIRCHILD

PO BOX 990

FRUITLAND ID 83619

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 13, 1990; and has submitted Proof of Beneficial Use on June 18, 1991. An examination indicates that the works have a diversion capacity of 0.110 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	0.03 CFS	

LOCATION OF POINT(S) OF DIVERSION:

SWNW , Sec. 23, Township 08N, Range 05W
PAYETTE 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>
08N	05W	23	SWNW	1.6		1.6

Total number of acres irrigated: 1.6

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 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 7.2 af for the lands above.

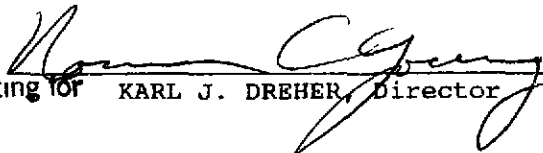
5 1996

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 65-13222

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 23RD
day of DECEMBER, 1975.


Acting for KARL J. DREHER, Director

NOTED
JAN 21

RECEIVED

JUN 18 1991

STATE OF IDAHO

For Office Use Only

Amt of Fee \$

Date

Receipt No.

Received by

Department of Water Resources

DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

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

1 Permit No. 65-13222 Telephone No. 452-47492 Name(s) of Permit Holder(s) Roger and Mary Fairchild3 Post Office Address: P.O. Box 9904 Source of Water: Ground watera If ground water, well driller's name: unknown Date drilled: +25 yearsb Pump horsepower: 3 Pressure (psi): 40 Dynamic pumping level (ft.): 140

5 Extent of Use:

Domestic _____ (No of households) Irrigation 2 (No of acres)

Stockwater _____ (No and type of stock) Other _____

6 Total rate and/or volume for which proof is submitted .04 cfs 2 acre/feet

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

Measuring device: Required? Yes XNo Installed? XYes No

OR

Flow Measurement Port: Required? Yes XNo Installed? Yes XNo8 Fee Enclosed: \$ 0 (See License Examination Fee Schedule)

9. Person to contact to accompany the Department representative during the field examination:

Roger Fairchild452-4749

Name

Telephone No.

P.O. Box 990 , Fruitland, ID. 83619

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

6/17/91

Date

Mary Fairchild

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

JUL 15 1991

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 65-13222

Proposed Priority: April 13, 1990 Maximum Diversion Rate: 0.04 CFS
This is to certify, that ROGER FAIRCHILD

MARY J. FAIRCHILD

P.O. BOX 990

FRUITLAND, ID 83619

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

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

IRRIGATION

03/15 to 11/15

0.04 CFS

LOCATION OF POINT(S) OF DIVERSION:

NESWNW

Sec. 23, Township 08N, Range 05W
PAYETTE County

PLACE OF USE: IRRIGATION

TWN RGE SEC

ACRES

ACRES

ACRES

TOTAL

08N 05W 23

SWNW 2

2

Total number of acres irrigated:

2

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before August 1, 1991.
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. 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

23

day of

July

, 1990.

R. Keith Higginson

R. Keith Higginson, Director

MICROFILMED

JUL 26 1990

Ident. No. 65-13222

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: ROGER FAIRCHILD 208-000-0000
Address: P.O. BOX 990
FRUITLAND, ID 83619
OR
Name: MARY J. FAIRCHILD 208-000-0000
Address: P.O. BOX 990
FRUITLAND, ID 83619

2. Source: GROUNDWATER

Trib. to:

3. Location of Point of Diversion: NESWNW Sec. 23, Township 08N, Range 05W
PAYETTE County

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AF
IRRIGATION	03/15	11/15	0.040		

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

6. Proposed diverting works:

- Description of ditches, flumes, pumps, headgates, etc.
WELL AND PUMP
- 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.
- Proposed well diameter is 6 inches; proposed depth of well is 100
feet.
- 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: 1 year

8. Description of proposed uses:
IRRIGATION

9. Place of Use: IRRIGATION

TWN	RGE	SEC	ACRES	ACRES	ACRES	TOTAL
08N	05W	23	SWNW 2			2
Total number of acres irrigated:						2

10. Describe any other water rights used for the same purposes.
FARMER'S CO-OP

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.
NA

12. Remarks:

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.

X Mary Fuchsel
Applicant

Received by P.A.S Date 4/13/90 Time 2:14:47 Preliminary check by P.A.S
Fee \$ 30.00 Receipted by P.A.S # 11006630 Date 4/13/90
Publication prepared by GG Date 5-9-90 Published in Independent Enterprise
Publication approved at Date 5/17 & 5/24/90
6-20-90

MICROFILMED

JUL 26 1990



VA

10

12

P

P

Ingard

RIVER

44

13

Emile

P

P

23

24

55°

1 MILE

5000 6000

1 KILOM

116°52'00"



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

December 26, 1995

ROGER FAIRCHILD
MARY J FAIRCHILD
PO BOX 990
FRUITLAND ID 83619

RE: WATER RIGHT NO. 65-13222

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

RECEIVED

JAN 25 1996

LICENSE REVIEW CHECKLIST

PERMIT NO. 105-13222 DATE 12/20/95



NAME Change OK ☒ Or Address Change? ☐

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

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

POINT OF DIV Amendment needed? Overlaps? N/A

PLACE OF USE Amendment needed? Overlaps? N/A

DIV RATE Permit/fee limits: .04 CFS IRR/2 ACRES
pump info Meas Q = .11 Theo Q = .12 Recommend: .03
1.6 x .02 = .03
Combined rates exceed capacity _____

ANNUAL VOLUME Volume Limit: Season: D/4.5 (3-15 to 11-15)
Calculations: 1.6 x 4.5 = 7.2
Flow limit: cfs x _____ x 1.9835 = _____
Combined volumes exceed capacity/allowable _____

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

ADDITIONAL INFO Farmers Co Op water
Supplemental Groundwater YES PPU Scenario _____
Irr/Dom Combination _____ Shared G/W System _____

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

NEW CONDITIONS Watermaster control - District _____
Measuring/Locking Devices _____
Irrigation Overlap _____
Other _____
Water Quality _____ Heat/Cool/Fish verified _____

COMMENTS:

Supplemental GW
Reduce Acres and rate

RECOMMENDATION	CFS	VOLUME	SRBA Claim Filed	NO
<u>Irrigation</u>	<u>.03</u>	<u>7.2</u>	<u>Adjustment Memo Needed</u>	<u>YES</u>
_____	_____	_____	<u>LICENSE</u>	<u>✓</u>
_____	_____	_____	<u>1ST AMEND LETTER</u>	_____
_____	_____	_____	<u>2ND AMEND LETTER</u>	_____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

NOV 21 1995

DEPARTMENT OF WATER RESOURCES

A. GENERAL INFORMATION

Permit No. 65-13222

1. Owner: Roger +/ Mary J. Fairchild Phone No. (208) 452-4749

Current Address: PO Box 990 Fruitland, ID 83619

2. Accompanied by: Mary Fairchild EXAM DATE: 11/16/94

Address: PO Box 990 Fruitland, Id 83619 Phone No. (208) 452-4749

Relationship to Permit Holder: Self

3. Source: Groundwater tributary to -

B. OVERLAP REVIEW

1. Other water rights with the same place of use: see list attached

2. Other water rights with the same point of diversion: see list attached

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
					~~50~~	~~8N~~		Payette	USGS Topo., + exam
		NE	SW	NW	23	8N	SW		

2. Place(s) of Use:

Indicate Method of Determination USGS Topo. + exam

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
8N	5W	23							~~A~~									1.6 acres	
									A										

JAN 25 1996

A hand-drawn site plan on a grid background. The plan shows a property with several features and dimensions:

- Top:** A north arrow pointing upwards, labeled 'N'. Below it, a west arrow pointing to the left, labeled 'W'.
- Left Side:** A vertical line labeled 'Hwy 84'. To its right, a horizontal line is labeled 'Exist 3' Frostland'. Further right, a circled 'R' is labeled '1st St'.
- Center:** A horizontal line labeled 'Pennsylvania'. Below it, a vertical line is labeled 'Antioch church'. To the right of the church, a line is labeled 'drive way'.
- Bottom Center:** A large rectangular area with dimensions '126 X 2.5' (315')'. Inside this area, there is a smaller rectangle labeled '41 X 2.5' (227.5')'. Within this smaller rectangle, there is a circle labeled 'trunk' and a square labeled '20 X 2.5' (50 X 2.5')'. Below the square, there is a label 'A/D 1/4'.
- Bottom Right:** A label 'undergrd rain land model 2045A'.

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
Submersible		3		Sta-Rite	2"

***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:

25 1996

E. NARRATIVE/REMARKS/COMMENTS

- Other water available: Farmers Comp. Irrigation
- Domestic well: WR 65-06390 (different well/different P/D).
- No govt. lots were found.
- Overlaps for P/D are other source; Overlaps for P/U are other land &/or other uses, & same land/other source (65-06390 domestic internal well).
- The system consists of a groundwater source w/ an existing 8" well casing, 3HP submersible Sta-Rite pump w/ 2" discharge that converts to 1" buried PVC throughout the yard/garden & fruit trees, w/ pop up rainbirds model 2045A that run ^{noises} the system @ 1 time.
- The lines had already been blown out for the ~~system~~ winter season, so I recommend using the theoretical pump efficiency calculation (.12 cfs), & pump curve information as a measurement.

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

J. 25 1996

F. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method:

Theoretical pump efficiency calculations = .12 cfs
(see attachments)

Property paced off (see attachment) = 1.6 acres irrigated

$$.02 \text{ cfs} \times 1.6 \text{ acres} = \boxed{.03 \text{ cfs}}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.6 \times 3.0 = 4.8 = 5.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .03 \text{ cfs} \times 246 \times 1.9835 = 14.6$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 5.0 \quad = 15.0$$

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	.03	5.0
Totals:			.03	5.0

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 Gandy Hernerway Date 11/6/95

Reviewer _____ Date _____

SEAL

* See adjustment memo. BC

JAN 25 1996

MEMORANDUM

TO: File 65-13222 / Roger Fairchild
FROM: Brenda Chapman
DATE: December 20, 1995
RE: Recommendation Adjustment(s)

=====

The final licensing recommendations for Right 65-13222 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	.03	7.2

The volume has been changed to the current recommended estimate of the consumptive irrigation requirement for crops/lawns in that area. [4.5 afa per acre]

1-3-96
JAN 2 1996

① Permit: Irrigation 3/15 - 11/15 .04 cfs 65-13272

② B/u fee: ~~0~~ pd 6/17/91 0 - 0.04 cfs

③ Max. Allowable:

$$\frac{227.5 \times 315}{43560} = 1.6$$

$$\frac{(\overset{\text{total yard}}{227.5 \times 315}) - (\overset{\text{shop}}{27.5 \times 15}) - (\overset{\text{house}}{63 \times 50}) - (\overset{\text{deck}}{25 \times 25})}{43560}$$

$$\frac{71662.5 - 412.5 - 3150 - 625}{43560} = 1.55 = 1.6 \text{ acres irrigated}$$

$$1.6 \text{ acres} \times .02 \text{ cfs} = \boxed{.03 \text{ cfs}}$$

④ Measurement:

Theoretical pump efficiency calculations
(see attachments) = .12 cfs

APPROVED

JUN 25 1991

P/V

SD-0605-2 Township: 08N Range: 05W Section: 23 Tract: NESWNW Lot: 66

S	L	R	STATE	O	S	Max # Records	66				
E	O	D	Water	Name	W	T	Priority				
L	Tract	T	V	Right No.	Last, First	N	G	Date	Source	Total	Diversion
-	SWNW			65-04551	BECK, WILLIAM	C	D	01/01/1930	GROUNDWATER	0.040	
-					BECK, LA VAUGH	C					
-	SWNW			65-05852	BROWN, GARY F.	C	D	12/01/1971	GROUNDWATER	0.040	
-	SWNW			65-05988	WERRE, CLARENC	C	D	01/01/1920	GROUNDWATER	0.040	
-					WERRE, ELOISE	C					
-	SWNW			65-06390	PERKINS, STEPH	C	D	04/01/1938	GROUNDWATER	0.040	
-	SWNW			65-06426	FIRST SOUTHERN	C	D	04/01/1966	GROUNDWATER	0.040	
-	SWNW			65-06568	JUSTUS, JOHN	C	D	06/01/1969	GROUNDWATER	0.040	
-					JUSTUS, MARGAR	C					
-	SWNW			65-09282	SCHNABEL, MARV	C	D	06/01/1967	GROUNDWATER	0.040	
-	SWNW			65-09301	CONNER, STEPHE	C	D	06/01/1930	GROUNDWATER	0.040	
-					CONNER, EUNICE	C					
-	SWNW			65-09335	AHLSTRAND, JOH	C	D	06/01/1926	GROUNDWATER	0.060	
-					AHLSTRAND, FLO	C					
-	NESWNW			65-13222	FAIRCHILD, ROG	C	P	04/13/1990	GROUNDWATER	0.040	
-					FAIRCHILD, MAR	C					

(Enter=Continue)

(GOLD 7=This Query)

(Menu _____)

P/u

SD-0604-2 Township: 08N Range: 05W Section: 23 Tract: SWNW Lot: 93

S	L	R	STATE	O	S	Max # Records	93				
E	O	D	Water	Name	W	T	Priority				
L	Tract	T	Right No.	Last, First	N	AC	G	Date	Code	Desc	
-	SWNW			65-00066	FARMERS COOPERATIVE	IR	C	37	D	09/12/1874	01 IRR
-					FARMERS COOPERATIVE	IR	P				
-	SWNW			65-04551	BECK, WILLIAM H.		C		D	01/01/1930	43 DOMEST
-					BECK, LA VAUGHN		C				
-	SWNW			65-05852	BROWN, GARY F.		C		D	12/01/1971	43 DOMEST
-	SWNW			65-05988	WERRE, CLARENCE WILBER		C		D	01/01/1920	43 DOMEST
-					WERRE, ELOISE L.		C				
-	SWNW			65-06390	PERKINS, STEPHEN J.		C		(D)	04/01/1938	43 DOMEST
-	SWNW			65-06426	FIRST SOUTHERN BAPTIST		C		D	04/01/1966	43 DOMEST
-	SWNW			65-06568	JUSTUS, JOHN		C		D	06/01/1969	43 DOMEST
-					JUSTUS, MARGARET L.		C				
-	SWNW			65-09282	SCHNABEL, MARVIN A.		C		D	06/01/1967	43 DOMEST
-	SWNW			65-09301	CONNER, STEPHEN H.		C		D	06/01/1930	43 DOMEST
-					CONNER, EUNICE I.		C				
-	SWNW			65-09335	AHLSTRAND, JOHN		C		D	06/01/1926	43 DOMEST
-					AHLSTRAND, FLORENCE		C				04 STOCK

(Enter=Continue)

(GOLD 7=This Query)

(Menu _____)

P/u

SD-0604-2 Township: 08N Range: 05W Section: 23 Tract: SWNW Lot: 93

S	L	R	STATE	O	S	Max # Records	93				
E	O	D	Water	Name	W	T	Priority				
L	Tract	T	Right No.	Last, First	N	AC	G	Date	Code	Desc	
-	SWNW			65-13222	FAIRCHILD, ROGER		C	2	P	04/13/1990	01 IRR
-					FAIRCHILD, MARY J.						

JAN 25 1996

THEORETICAL PUMP EFFICIENCY CALCULATIONS

FILE: 65-13222

DATE: 6-NOV-95

COMPLETE BY: SANDY HEMENWAY

HORSEPOWER = 3

PUMP EFFICIENCY = 70%

DYNAMIC LIFT = 40 FEET

SYSTEM PRESSURE = 50 PSI

QUANTITY = 0.12 CFS

JAN 25 1996

40 GPM

Design Series



Applications

Materials

Features

Discharge - (1) 50 gals. or less - 100%
 on-site on property within 100 ft
 perimeter for immediate disposal
Internal Check Valve - installed
 just below water level in pump
 chamber. Recommended for pumps with
 automatic check valves used with
 automatic float valves.

Tyrol Inpellers & Diffusers -
Pneumatically actuated and
balanced - ideal for positive
pressure applications.

Sleeve Spacers: Assure proper fit and hold with the right sleeve spacers. 100% polyethylene.

Stainless Steel Pump Shaft -
Precision ground for exacting applications. Features a high strength, low distortion, high precision, high speed, polished and ground shaft.

Stainless Steel Splined Coupling —
 One of the most important factors in
 alignment and in power transfer is
 the coupling. It is important to select
 the proper coupling for the application.

Stainless Steel Pump Housing
 - Lightest, toughest heavy water stainless
 - Cast for maximum strength
 - Resists corrosive waste products

Top Quality Hardware - We carry a full line of high quality hardware and construction materials.

Rugged Intake Bracket — The rugged intake bracket is made from 6061-T6 aluminum and features a built-in fuel filter. It's designed to fit all 1987-1994 GM 5-cylinder engines. Hoses are included for the engine and carburetor.

[illegible]

MICROFILMED

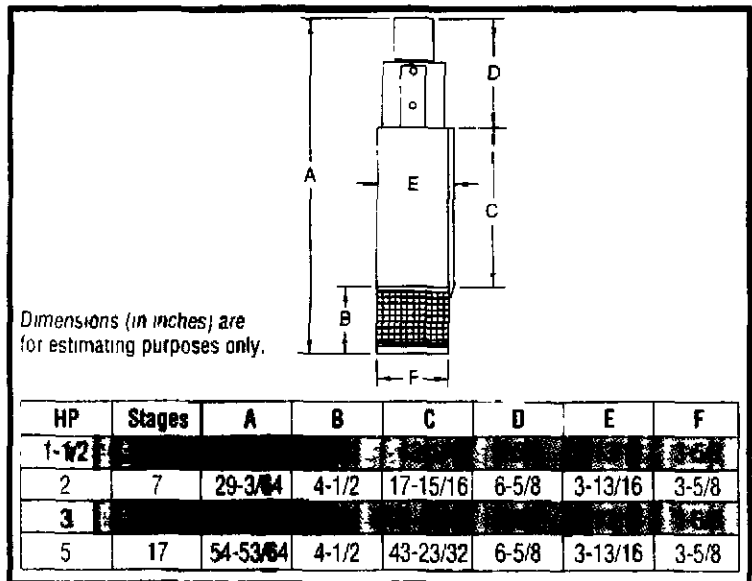
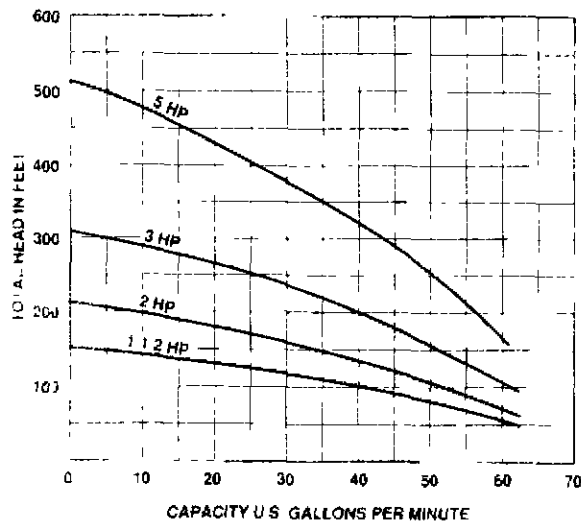
JAN 5 1936

per Growers Supply/Note
(208) 452-4561

4" Submersible Pumps

40 GPM Design Series

Pump Performance



Pump Performance

HP	Series	PSI	Pumping Depth in Feet														
			20'	40'	60'	80'	100'	125'	150'	175'	200'	250'	300'	350'	400'	450'	500'
			Capacity — Gallons Per Minute														
1-1/2	40	0	—	—	59.3	50.8	40.0	24.0	4.4								
		30	46.6	35.5	22.0	9.1											
		40	33.1	18.8	1.5												
		50	16.0														
		60															
2	40	0	—	—	63.1	58.5	52.8	46.0	33.1	21.5	8.0						
		30	56.4	50.0	42.4	34.0	24.8	11.5									
		40	48.8	40.8	32.0	22.8	12.4										
		50	40.0	31.1	21.5	10.8											
		60	29.5	20.0	9.1												
3	40	0	—	—	—	—	61.0	56.4	51.4	46.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0
		30	63.0	59.5	60.0	51.8	47.1	40.4	32.8	23.5	16.4						
		40	58.8	55.0	50.8	46.4	40.4	33.1	25.4	17.1	11.0						
		50	54.4	50.4	45.5	39.5	33.0	25.0	17.0	8.0							
		60	49.5	46.8	38.8	32.8	26.8	18.4	9.0								
5	40	0	—	—	—	—	—	—	59.1	64.7	50.6	43.7	35.3	26.1	16.0	4.2	
		30	—	—	—	—	59.7	57.0	54.3	51.2	47.0	42.0	37.0	32.0	27.0	22.0	17.0
		40	—	—	—	59.2	57.2	54.5	51.7	48.3	44.9	36.9	27.9	17.9	6.0		
		50	—	—	59.0	56.9	54.9	51.8	48.5	45.0	41.0	37.0	33.0	29.0	25.0	21.0	17.0
		60	60.7	58.7	56.5	54.3	51.9	48.6	45.3	41.3	37.1	21.6	18.1	7.3			

CAUTION: DO NOT use pump at flow rates indicated by the symbol —
To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a LON-AIRE® tank require a 100# relief valve. Pumps installed with a conventional tank require a 75# relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

JAN 25 1996

C **F**

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

* copy of well
inspection form +
picture was given
to Rob Whitney
for follow up.

1. DRILLING PERMIT NO: existing OTHER APPLICABLE NO: WR# 65-13272
2. OWNER: Roger & Mary Fairchild Phone: (208) 452-4749
Address: PO Box 990 Fruitland, ID 83619
3. WELL LOCATION: Twp 8N, Rge. 5W, Sec. 23, SW 1/4 NW 1/4
County Payette (Provide sketch map and photo on reverse.)
4. DRILLER: unknown/existing Lic. No. _____
When Drilled? thinks ~ 40 yrs. ago. - owner has been here 20 yrs
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 thinks 130 ft. Method Drilled ? unknown
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 thinks 30 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: _____

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? _____

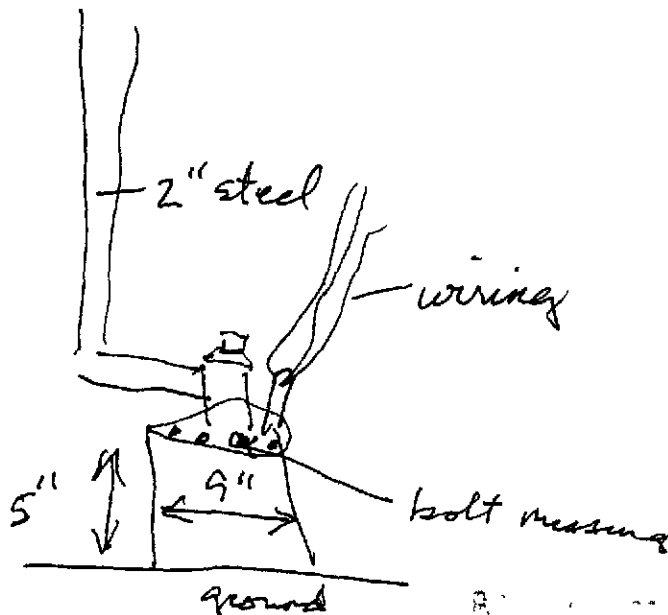
How far away from the well is this source? _____

9. REMARKS: casing is only 5" above ground level + bolt
missing off top of cap

And Hernandez WR Agent
Signature of Dept. Representative & Title

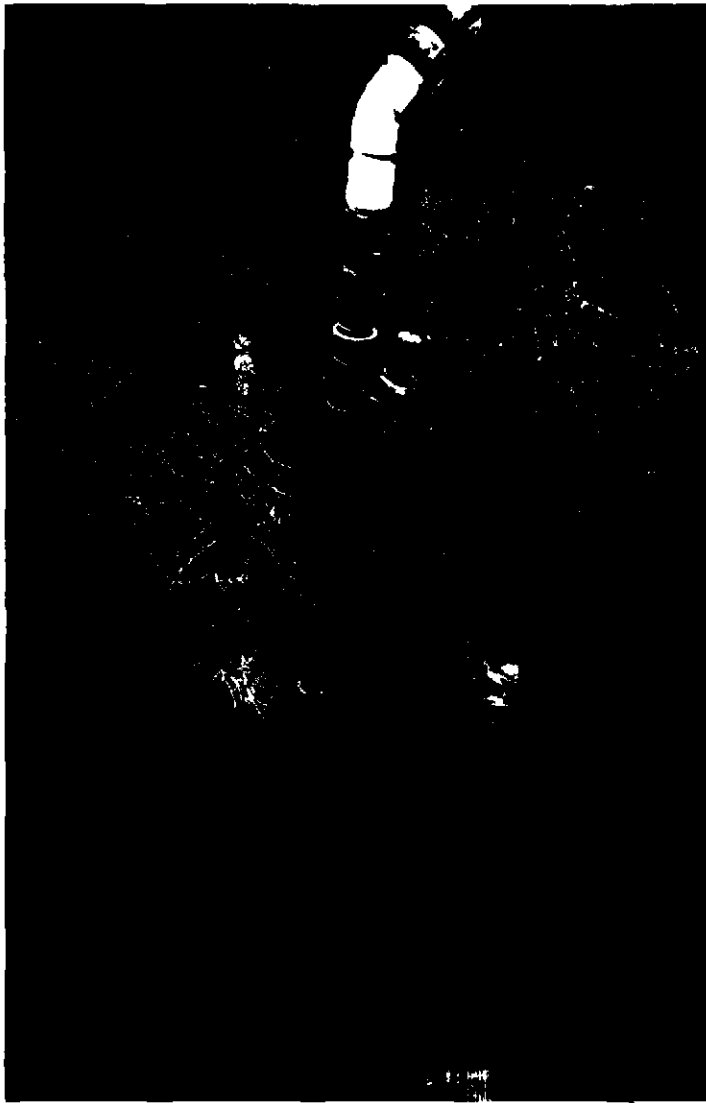
11/16/94
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:



JAN 25 1996

65-13222
11/16/94 S.H.



shut off valve

2" converts to 1"
buried PVC for
entire yard

P/D:

pre-existing
well



8" casing
5" above ground

2' steel

JAN 85

Sta-Rite submersible
pump 3HP

50 psi
pumping depth 40'

65-13222
11/16/94 S.H.

P/u:
irrigation of
yard

underground
rainbird
model 2045A
off 1" PVC - entire
yard

P/u:
irrigation
fruit trees &
yard 25/1996

WR # 65-13222
11/16/94 S.H.



— bolt
missing

— casing
only 5"
above the
ground

JAN 25 1996

June 21, 1991

ROGER FAIRCHILD
MARY J. FAIRCHILD
P.O. BOX 990
FRUITLAND, ID 83619

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 65-13222

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,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

RECEIVED

JUL 15 1991

138692
May 31, 1991

ROGER FAIRCHILD
MARY J. FAIRCHILD
P.O. BOX 990
FRUITLAND, ID 83619

PROOF DUE NOTICE

RE: PERMIT NO. 65-13222

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 August 1, 1991. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

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

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

SINCERELY,

Rita Fleck
Secretary/Records Manager

Enclosures

138692

S T A T E O F I D A H O

DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 327-7900
July 23, 1990

ROGER FAIRCHILD
MARY J. FAIRCHILD
P.O. BOX 990
FRUITLAND, ID 83619

PERMIT APPROVAL NOTICE

RE: PERMIT NO. P65-13222

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.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

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.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit. Also enclosed for your convenience is a form entitled "Proof of

MICROFILMED

JUL 26 1990

Beneficial Use" that must be submitted to the Department when your project is completed. If development is complete, you may submit proof of beneficial use immediately.

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

MICROFILMED

1990

NOTICE OF APPLICATION FOR WATER RIGHT

The Following application(s) have been filed to appropriate the public waters of the State of Idaho:
63-11282

TMCO, INC.
P.O. BOX R
NAMPA, IDAHO 83651
Source: GROUNDWATER
Diverson Pt: LOT 2 (SEWNW) Sec 1 T 06N R 05W
NENWSW Sec 1 T 06N R 05W
SWSENE Sec 2 T 06N R 05W

Use: IRRIGATION (15.000 CFS)
Total Diversion: (15.000 CFS)
Date Filed: 4/16/1990

In: T06N R05W S01 Lot 1 (NENE) Lot 2 (NWNE)
SWNE Lot 3 (NENW); Lot 4 (NWNW) NESE NWSE
SESE; S02 SENE SWNW NESW NWSW; SWSW
SESW NESE SESE; T07N R05W S36 SWSW SESW
SWSE SESE.

51.0 ACRES TOTAL

63-11310

GRILLO, RICHARD
GRILLO, MARILYN
P.O. BOX 842
PARMA, ID 83660
Source: GROUNDWATER
Diverson Pt: SWNW Sec 36 T 07N R 05W

Use: IRRIGATION (.160 CFS)
DOMESTIC (.040 CFS)
Total Diversion: (.200 CFS)

Date Filed: 4/27/1990
In: T07N R05W S36 SWNW SENW
8.0 ACRES TOTAL

65-13207

PAYETTE COUNTY HISTORICAL SOCIETY
C/O MARY PEDERSON
725 N. 7TH ST.
PAYETTE, ID 83661

Source: GROUNDWATER
Diverson Pt: NENESE Sec 33 T 09N R 05W
Use: IRRIGATION (.020 CFS)
Total Diversion: (.020 CFS)

Date Filed: 4/9/1990
In: T09N R05W S33 NESE
0.5 ACRES TOTAL

65-13208

NEWMAN, DONALD G.
NEWMAN, GERALDINE L.
953 6TH AVE. S.
PAYETTE, ID 83661
Source: GROUNDWATER
Diverson Pt: LOT 4 (NESE) Sec 8 T 08N R 05W

Use: IRRIGATION (.480 CFS)
Total Diversion: (.480 CFS)
Date Filed: 4/9/1990

In: T08N R05W S08 Lot 4 (NESE)
S09 NWSW
24.0 ACRES TOTAL

65-13215

REMINGTON, KEITH M.
REMINGTON, NYLA M.
P.O. BOX 424
FRUITLAND, ID 83619
Source: PAYETTE RIVER
Tributary: SNAKE RIVER
Diverson Pt: LOT 3 (SESW) Sec 10 T 08N R 05W

Use: IRRIGATION (.020 CFS)
Total Diversion: (.020 CFS)
Date Filed: 4/11/1990

In: T08N R05W S10 Lot 3 (SESW)
0.5 ACRES TOTAL

65-13214

CITY OF PAYETTE
700 CENTER AVE.
PAYETTE, ID 83661
Source: GROUNDWATER
Diverson Pt: SESW Sec 23 T 09N R 05W

Use: IRRIGATION (1.000 CFS)
COMMERCIAL (1.000 CFS)
Total Diversion: (2.000 CFS)

Date Filed: 4/5/1990
In: T09N R05W S23 SESW; S26 NWNE SWNE NENW
NWNW; SENW
150.0 ACRES TOTAL

65-13216

REMINGTON, KEITH M.
REMINGTON, NYLA M.
P.O. BOX 424
FRUITLAND, ID 83619
Source: GROUNDWATER
Diverson Pt: LOT 3 (SESW) Sec 10 T 08N R 05W

Use: COMMERCIAL (.040 CFS)
Total Diversion: (.040 CFS)
Date Filed: 4/11/1990

In: T08N R05W S10 Lot 3 (SESW)

65-13218

MC CALLUM, ANGELA L.
MC CALLUM, FLOYD S.
10734 N. RIVER
PAYETTE, ID 83661
Source: GROUNDWATER
Diverson Pt: LOT 3 (NESW) Sec 22 T 09N R 05W

Use: IRRIGATION (.150 CFS)
Total Diversion: (.150 CFS)
Date Filed: 4/11/1990

In: T09N R05W S22 Lot 3 (NESW)
5.0 ACRES TOTAL

65-13219

MC CALLUM, FLOYD S.

MC CALLUM, ANGELA L.
10734 N. RIVER
PAYETTE, ID 83661
Source: SPRINGS Tributary: SNAKE RIVER
Diverson Pt: LOT 3 (NENESW) Sec 22 T 09N R 05W
Use: STOCKWATER (.020 CFS)
STOCKWATER STORAGE (8.30 AF)
STOCKWATER FROM STORAGE (8.30 AF)
Total Diversion: (.020 CFS), (8.30 AF)
Date Filed: 4/11/1990
In: T09N R05W S22 Lot 3 (NESW)

65-13221

FAIRCHILD, VIRGIL
880 N. 11TH AVE.
PAYETTE, ID 83661
Source: UNNAMED DRAIN
Tributary: SNAKE RIVER
Diverson Pt: NESWSE Sec 32 T 09N R 05W
Use: IRRIGATION (.300 CFS)
Total Diversion: (.300 CFS)
Date Filed: 4/12/1990
In: T09N R05W S32 SWSE SESE
15.0 ACRES TOTAL

65-13222

FAIRCHILD, ROGER
FAIRCHILD, MARY J.
P.O. BOX 990
FRUITLAND, ID 83619
Source: GROUNDWATER
Diverson Pt: NESWNW Sec 23 T 08N R 05W
Use: IRRIGATION (.040 CFS)
Total Diversion: (.040 CFS)
Date Filed: 4/13/1990
In: T08N R05W S23 SWNW
2.0 ACRES TOTAL

65-13225

HEAD, JIM
HEAD, MARGARET
3573 HWY. 52
PAYETTE, IDAHO 83661
Source: WASTE WATER
Tributary: PAYETTE RIVER
Diverson Pt: SWNW Sec 17 T 08N R 04W
Use: IRRIGATION (.120 CFS)
Total Diversion: (.120 CFS)
Date Filed: 4/24/1990
In: T08N R04W S17 SWNW
6.0 ACRES TOTAL

65-13226

DORSING, DOUGLAS S.
716 S. 1ST ST.
FRUITLAND, ID 83619
Source: PAYETTE RIVER
Tributary: SNAKE RIVER
Diverson Pt: LOT 1 (SENE) Sec 15 T 08N R 05W

Use: IRRIGATION (.240 CFS)
Total Diversion: (.240 CFS)
Date Filed: 4/17/1990
In: T08N R05W S15 Lot 2 (SWNE) Lot 1 (SENE)
12.0 ACRES TOTAL

65-13228

GIFFIN, EDSSEL
938 N. 6TH ST.
PAYETTE, ID 83661
Source: GROUNDWATER
Diverson Pt: SESE Sec 28 T 09N R 05W
Use: IRRIGATION (.040 CFS)
STOCKWATER (.020 CFS)
Total Diversion: (.040 CFS)
Date Filed: 4/13/1990
In: T09N R05W S28 SESE
2.0 ACRES TOTAL

65-13229

MIKESELL, QUENTIN L.
MIKESELL, SHARON
4385 SAND HOLLOW RD.
NEW PLYMOUTH, ID 83655
Source: GROUNDWATER
Diverson Pt: NWSENE Sec 26 T 07N R 04W
Use: IRRIGATION (.060 CFS)
STOCKWATER (.200 CFS)
DOMESTIC (.040 CFS)
Total Diversion: (.300 CFS)
Date Filed: 4/9/1990
In: T07N R04W S26 SENE
3.0 ACRES TOTAL

65-13232

WISNER, CHESTER
WISNER, EDITH
5825 AKRON RD.
NEW PLYMOUTH, ID 83655
Source: GROUNDWATER
Diverson Pt: SENW Sec 8 T 07N R 04W
Use: IRRIGATION (.030 CFS)
DOMESTIC (.040 CFS)
Total Diversion: (.070 CFS)
Date Filed: 3/2/1990
In: T07N R04W S08 SENW
1.0 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 JUNE 4, 1990.

R. KEITH HIGGINSON, Director
No. 88 May 16, 23

Independent-Enterprise

65-13222

FAIRCHILD, ROGER
FAIRCHILD, MARY J.
P.O. BOX 990
FRUITLAND, ID 83619

Source: GROUNDWATER

Diversion Pt: NESWNW Sec 23 T 08N R 05W

Use: IRRIGATION (.040 CFS)
Total Diversion: (.040 CFS)

Date Filed: 4/13/ 1990

In: T08N R05W S23 SWNW

2.0 ACRES TOTAL

RECORDED
JUL 26 1990