

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34746
Exam Date: 03/21/2025

1. Current Owner:
FRYSLAN DAIRY LLC 8222 DESERT DR MARSING ID 83639-8264
2. Accompanied by: Dale Van Es
Phone No: (208) 250-0478
Address: 7122 Happy Valley Rd. Kuna, ID
Relationship to permit Holder: Agent of Fryslan Dairy LLC

3. SOURCE:
GROUND WATER

Method of Determination: Proof of Beneficial Use, AcrMap aerial imagery, in-person field examination

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
63-21894	Groundwater	Domestic & Stockwater	Decreed
63-34924	Groundwater	Commercial	Permit

Comments: Boise Project Board of Control, Boise Kuna Irrigation District, and American Ditch Company own irrigation rights that WR 63-34924 fall within the place of use boundary. These do not interfere as the purpose of use differs. License 63-21894 POD and POU lie within SWSW 02N01W S25 with a centroid point for the POD. A notice of change in water right ownership has been submitted to the department, updating Dale Van Es as the current owner of WR 63-21894.

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
63-21894	Groundwater	Domestic & Stockwater	Decreed
63-34924	Groundwater	Commercial	Permit

Comments: The single point of diversion for 63-21894 for domestic and stockwater is also used to supply some water to Fryslan Dairy for stockwater purposes. The well supplies water to the domestic household in 02N02W SESE S 25, a small pasture surrounding the house, and one corral associated with WR 63-34746 for stockwater. WR 63-34924 is used with WR 63-34746 to provide commercial and stockwater, respectively, to Fryslan Dairy LLC. Both water rights are owned by Fryslan Dairy LLC.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

Well 1 (Metal Tag D0012041):
GROUND WATER L4 (SW¼ SW¼), Sec. 30, Twp 02N, Rge 01W, B.M. CANYON County
43.47436 -116.51152

Well 2 (Metal Tag D0031467):
GROUND WATER L4 (SW¼ SW¼), Sec. 30, Twp 02N, Rge 01W, B.M. CANYON County
43.47401 -116.51242

Well 3:
GROUND WATER L4 (SW¼ SW¼), Sec. 30, Twp 02N, Rge 01W, B.M. CANYON County
43.47568 -116.51298

Well 4:
GROUND WATER L4 (SW¼ SW¼), Sec. 30, Twp 02N, Rge 01W, B.M. CANYON County
43.47568 -116.51298

Well 5:
GROUND WATER SE¼ SE¼, Sec. 25, Twp 02N, Rge 02W, B.M. CANYON County
43.47651 -116.51367

Method of Determination: Proof of Beneficial Use, ArcMap aerial imagery, in-person field examination, OnX GPS.

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02N	01W	30											X L4	X					

Method of Determination: Proof of Beneficial Use, ArcMap aerial imagery, in-person field examination.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X Indicate weir size/pipe as applicable.

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X

N/A Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well 1: D0012041	Grundfos MS4000	5	00226643	Franklin Electric 60FH5S4-PE	24C14-21-05387A
Well 2: D0031467	Franklin Electric SD50	5	5870205503C	Unknown	Unknown
Well 3	Grundfos CU 301	2.5	Unknown	Grundfos SQE 3-120	93001424
Well 4	Yaskawa P1000	15	1W2439065380038	Unknown	Unknown
Well 5	Franklin Electric SD20	2	2343159204G	Franklin Electric 25FA2S4-PE	21H14-18-10581A

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurements: No flow measurements were taken during this field exam. Well mainlines are subsurface.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Theoretical flows:

Adequate information for theoretical flow calculation was only available for wells 1 and 5. Theoretical flow for the two wells totals 0.13 cfs, which exceeds the permitted diversion rate.

$$\text{Well 1: } (8.8 * 5 \text{ hp} * 0.67) / [(168' + (65 \text{ psi} * 2.31))] = 29.48 / 318.15 = 0.09 \text{ cfs}$$

$$\text{Well 5: } (8.8 * 2 \text{ hp} * 0.70) / [(150' + (60 \text{ psi} * 2.31))] = 12.32 / 288.6 = 0.04 \text{ cfs}$$

$$0.09 \text{ cfs} + 0.04 \text{ cfs} = 0.13 \text{ cfs}$$

Application Processing Memo 3:

Application Processing Memo 3 provides standardized rates for each type of livestock to calculate a diversion rate, which were used below.

$$1800 \text{ dairy cattle} * 0.00065 = 1.17 \text{ cfs}$$

$$1000 \text{ replacements} * 0.00022 = 0.22 \text{ cfs}$$

$$1.17 \text{ cfs} + 0.22 \text{ cfs} = 1.39 \text{ cfs}$$

F. VOLUME CALCULATIONS**1. Volume Calculations for Stockwater:**

The maximum number of dairy cattle during the development period for this permit was 1800, while the maximum number of replacement cattle was 1000. Application Processing Memo 3 provides standardized rates for each type of livestock to calculate an annual volume, which were used below.

$$1800 \text{ milkers} * 0.0391 = 70.4 \text{ AFA}$$

$$1000 \text{ replacements} * 0.0134 = 13.4 \text{ AFA}$$

$$\text{Total volume: } 70.4 \text{ AFA} + 13.4 \text{ AFA} = 83.8 \text{ AFA}$$

G. NARRATIVE/REMARKS/COMMENTS

The department issued a permit for WR 63-34746 on February 14, 2020 for 0.10 cfs stockwater. Proof of Beneficial Use was submitted on January 29, 2025 along with proof of beneficial use for 63-34924. The commercial and stockwater uses were placed on separate permits as they require two separate systems, although they serve one business. Both exams were conducted simultaneously on March 21, 2025. The exams were accompanied by Dale Van Es, the agent of Frysland Dairies LLC.

The single point of diversion for 63-21894 for domestic and stockwater is also used to supply some water to Frysland Dairy for stockwater purposes. The well supplies water to the domestic household in 02N02W SESE S 25, a small pasture surrounding the house, and one corral associated with WR 63-34746 for stockwater that features two watering troughs. WR 63-34924 is used with WR 63-34746 to provide commercial and stockwater, respectively, to Frysland Dairy LLC. Both water rights are owned by Frysland Dairy LLC. Four well driller's reports were submitted by SPF Engineering with the application for permit 63-34746. The ownership of the wells listed on the well drillers reports is consistent with historical landownership to the property so it is feasible that they are operating points of diversion for rights 63-34924 and 63-34746, although only two of the wells can be determined with certainty which well they belong. The two remaining wells were not assigned to a metal tag number, and accurate coordinates were not recorded by the driller. The last well, located in SESE S25 02N 02W, did not have a metal tag or a well drillers report that may be associated with the well.

The place of use includes two small (10'x1'x2'), six medium (4'x3'x10'), and six large (3'x9' round) watering troughs that deliver water to 1800 milkers and 1000 replacement cattle. All mainlines from the five wells are subsurface, therefore not included in the system diagram shown in figure 2. Item F shows a calculation for a maximum annual volume for 1800 dairy cattle and 1000 replacements, using standardized annual volumes by the field examiners handbook.

Conditions X02, 046, 26A, and 106 were removed from WR 63-34746 at Licensing. Condition 121 was replaced with 103 per department standards. The diversion rate of 0.10 cfs shall be licensed, as well as an annual volume of 83.8 AFA.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
STOCKWATER	01/01 to 12/31	0.10 CFS	83.8 AFA

Totals:

0.10 CFS

83.8 AFA

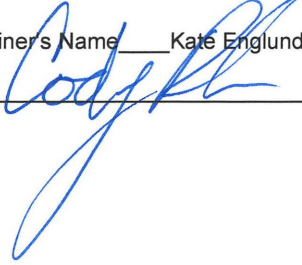
2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above X None

____ Change P.U. as reflected above ____ Add P.U. as reflected above X None

I. AUTHENTICATION Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date April 18, 2025

Reviewer  Date 07-24-2025

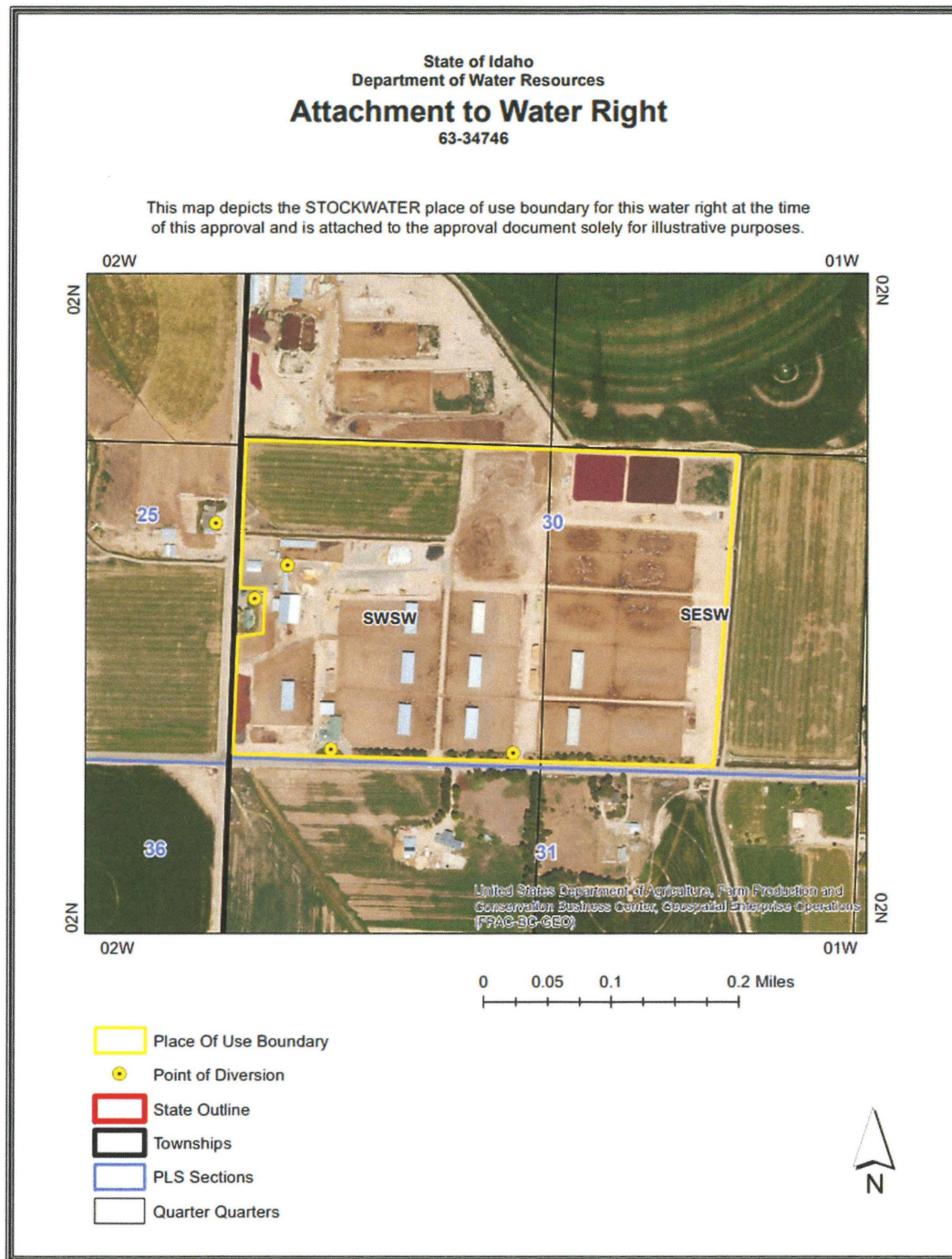


Figure 1 Map depicting points of diversion and place of use for stockwater right 63-34746.



Figure 2 System diagram includes all stockwater locations and points of diversion. Mainlines from wells to stock tanks are not included since the actual locations and routes are unknown.



Figure 3 Well head for well one, or 337-2166.

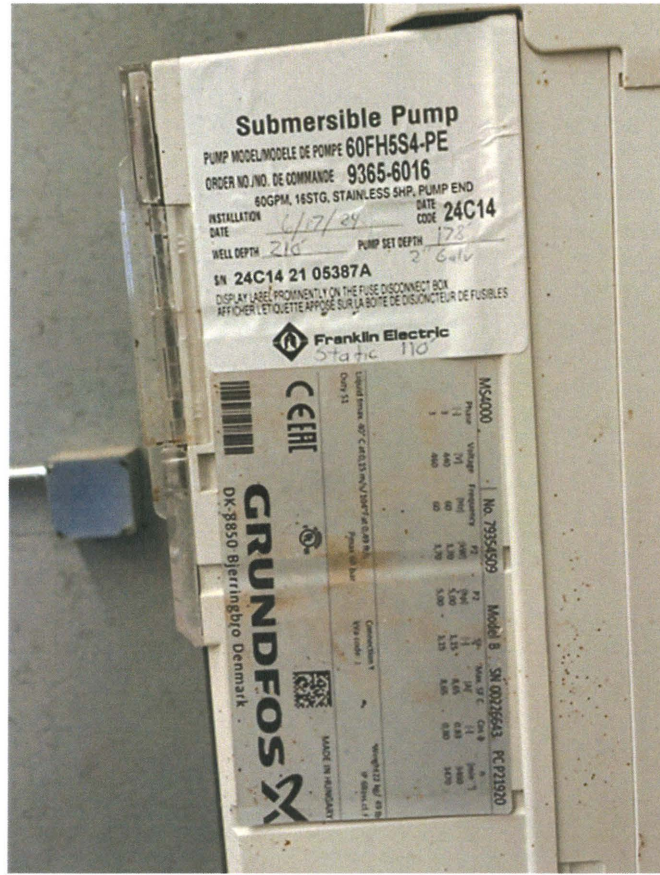


Figure 4 Specification tag on control panel associated with Well 1.



Figure 5 Front side of control panel for well 1.



Figure 6 Metal tag for well 2 with identification number D0031467.



Figure 7 Well head for well 2, or D0031467.

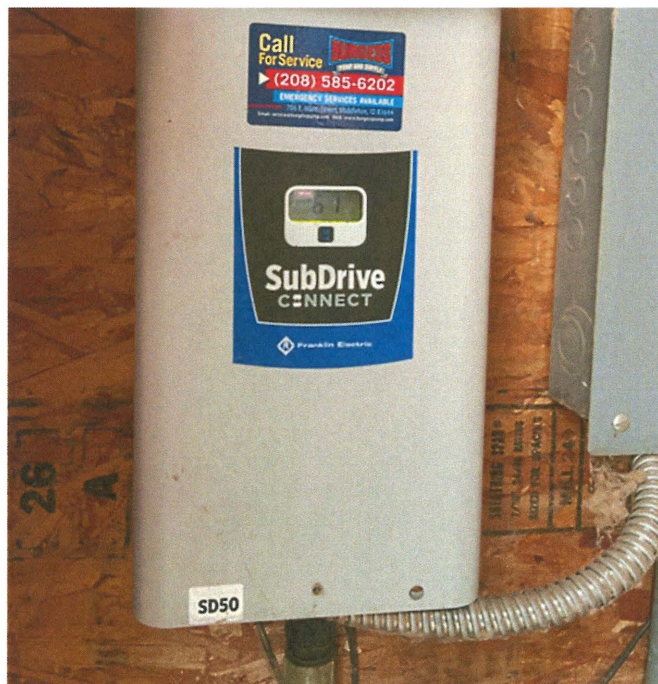


Figure 8 Franklin Electric SD50 Subdrive Connect control panel showing 61PSI for well D0031467.



Figure 9 Well 3 with no identification tag.



Figure 10 Grundfos CU 301 pressure control showing 70 psi for Well 3.



Figure 11 Well 4, no metal tag number found.



Figure 12 Yaskawa P1000 control panel showing 60 psi for Well 4.

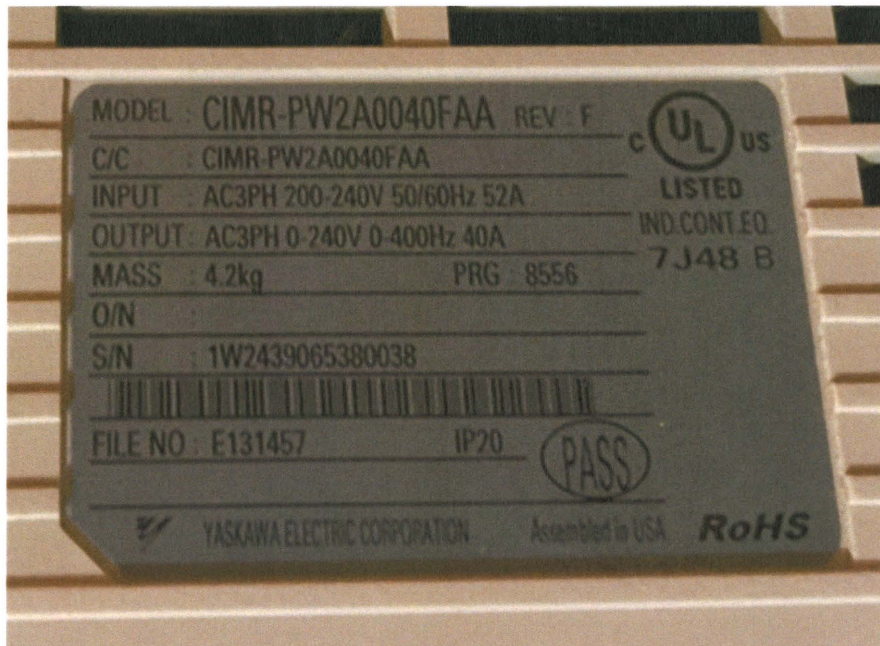


Figure 13 Specification tag for motor control on well 4.



Figure 14 Pressure gage on Well 4, showing 60psi at the time of the field exam.



Figure 15 Well 5 well head, no metal tag number found.

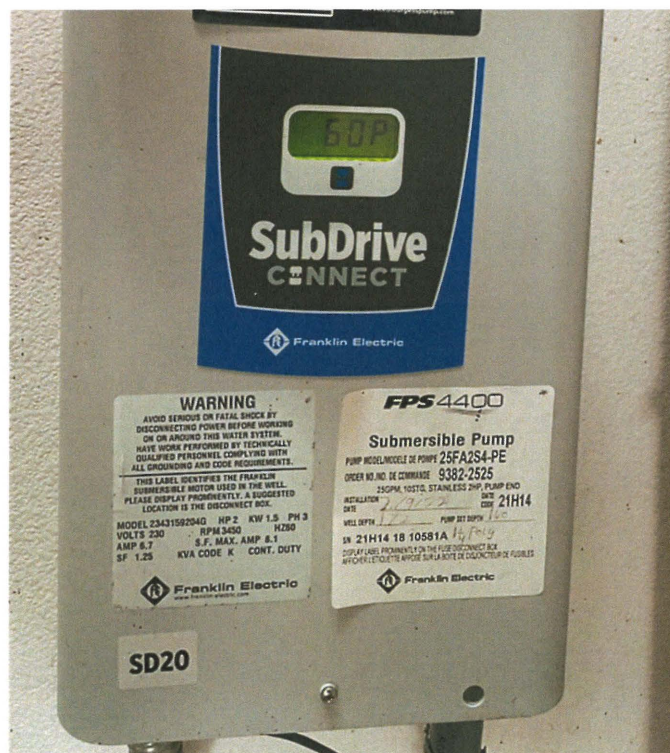


Figure 16 Well 5 pump motor control showing 60 psi at the time of the field exam.



Figure 17 Well 5 pump specification tag showing 2 hp pump set depth, pump model, pump serial number, and installation date.



Figure 18 well 5 pressure gage showing 65 psi at the time of the field exam.

Franklin Electric 4400 Tri-Seal 25 GPM Well Pump Curve

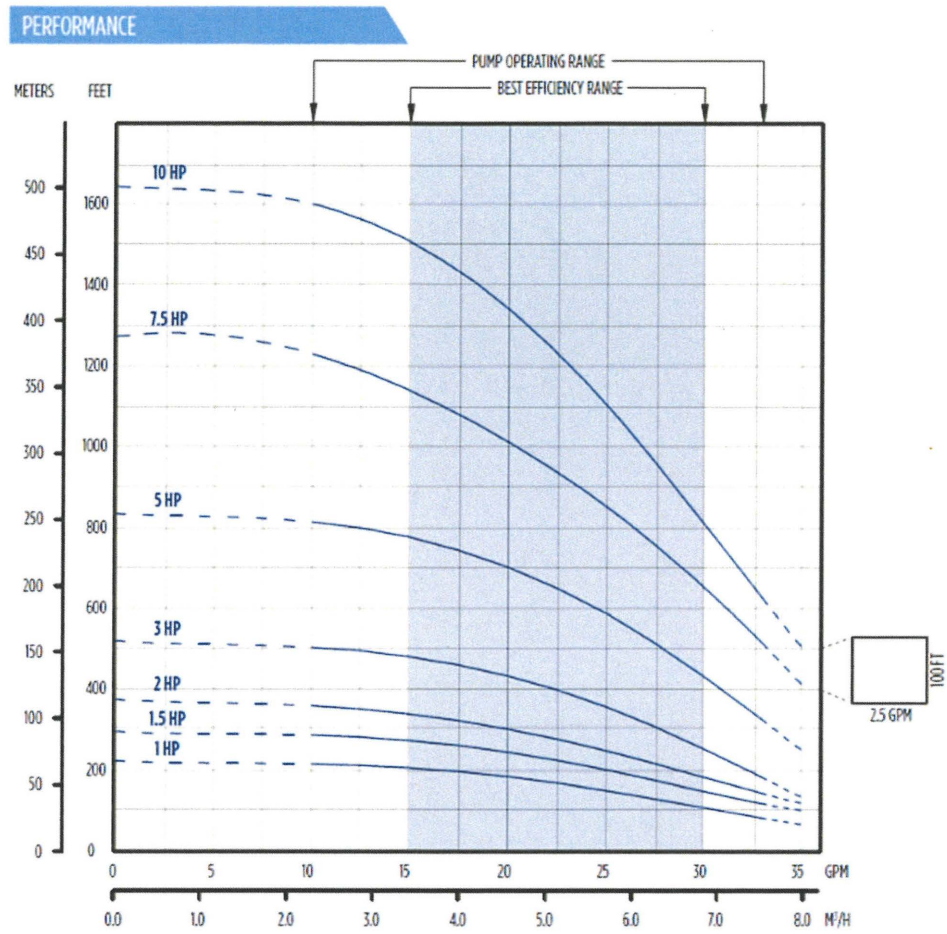


Figure 19 Pump curve for Franklin Electric 4400 25 GPM pumps.



Figure 20 One of two, 10'x1'x2' watering troughs used for replacement cattle.



Figure 21 One of six, 4'x3'x10', watering troughs used for dairy cattle.

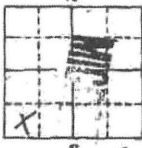


Figure 22 One of six, 3'x9' watering troughs used for dairy cattle.

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>Mike Thiel</u> Address <u>Happy Valley Rd. Nampa, Id.</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>120</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 _____ °F. Quality _____																																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____	8. WELL TEST DATA ☐ Pump ☐ Bailer ☒ Air ☐ Other _____ <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> <tr> <td><u>30</u></td> <td><u>170</u></td> <td><u>2</u></td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>30</u>	<u>170</u>	<u>2</u>																															
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG 85854 <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Hole Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th rowspan="2">Water Yes No</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>0</td> <td>1</td> <td>top soil</td> <td>X</td> </tr> <tr> <td>9</td> <td>1</td> <td>7</td> <td>loose clay & gravel</td> <td>X</td> </tr> <tr> <td>9</td> <td>7</td> <td>18</td> <td>black lava rock</td> <td>X</td> </tr> <tr> <td>6</td> <td>18</td> <td>45</td> <td>" "</td> <td>X</td> </tr> <tr> <td>6</td> <td>45</td> <td>50</td> <td>red cinder</td> <td>X</td> </tr> <tr> <td>6</td> <td>50</td> <td>175</td> <td>black lava rock</td> <td>X</td> </tr> </tbody> </table> RECEIVED SEP 2 1982 Department of Water Resources RECEIVED JUN 21 1982 Department of Water Resources Western Regional Office	Hole Diam.	Depth		Material	Water Yes No	From	To	9	0	1	top soil	X	9	1	7	loose clay & gravel	X	9	7	18	black lava rock	X	6	18	45	" "	X	6	45	50	red cinder	X	6	50	175	black lava rock	X
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4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____																																						
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>250</u> inches</td> <td><u>6"</u> inches</td> <td><u>1</u> feet</td> <td><u>175</u> feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Was casing drive shoe used? ☐ Yes ☒ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</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>18 ft.</u> Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well outtings Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld Describe access port <u>3/4" pipe thread</u> ☐ Cemented between struts	Thickness	Diameter	From	To	<u>250</u> inches	<u>6"</u> inches	<u>1</u> feet	<u>175</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet						
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Canyon</u> <u>SW 1/4 Sec. 20, T. 2 N., R. 1 W.</u>	10. Work started <u>Feb. 20, 1981</u> finished <u>Feb. 20, 1981</u>																																					
	11. DRILLERS CERTIFICATION <u>DL</u> I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Can-Ha Well</u> Firm No. <u>304</u> Address <u>Box 328 Nampa, Id.</u> Date <u>6/5/82</u> Signed by (Firm Official) <u>Earl Skinner</u> and _____ (Operator)																																					

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
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WELL DRILLER'S REPORT

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4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	10. Work started <u>8-25-89</u> finished <u>8-26-89</u>																																																																																		
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>1.750</u> inches</td><td><u>6</u> inches</td><td><u>1</u> feet</td><td><u>21</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☒ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</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>21</u> Material used in seal: ☐ Cement grout ☐ Bentonite ☒ Pudding clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld _____ ☐ Cemented between strata Describe access port: <u>Sanitary Well Seal</u>	Thickness	Diameter	From	To	<u>1.750</u> inches	<u>6</u> inches	<u>1</u> feet	<u>21</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. <u>SCOTT DRILLING CO.</u> Firm Name <u>5412 LAKE AVE</u> Firm No. <u>327</u> <u>CALDWELL, ID 83605</u> Address <u>(203) 459-6606</u> Date <u>8-27-89</u> Signed by (Firm Official) <u>Jamie Albert</u> and _____ (Operator) <u>[Signature]</u>																																																		
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6. LOCATION OF WELL Sketch map location must agree with written location. <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="text-align: center;">N</td><td colspan="2"></td><td style="text-align: center;">E</td></tr><tr><td style="text-align: center;">W</td><td style="text-align: center;">30</td><td style="text-align: center;">X</td><td style="text-align: center;">E</td></tr><tr><td style="text-align: center;">S</td><td colspan="2"></td><td style="text-align: center;">E</td></tr></table> County <u>CANYON</u> <u>SW 1/4 SW 1/4 Sec. 30</u> T. <u>2</u> N. R. <u>1</u> W.	N			E	W	30	X	E	S			E	11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. <u>SCOTT DRILLING CO.</u> Firm Name <u>5412 LAKE AVE</u> Firm No. <u>327</u> <u>CALDWELL, ID 83605</u> Address <u>(203) 459-6606</u> Date <u>8-27-89</u> Signed by (Firm Official) <u>Jamie Albert</u> and _____ (Operator) <u>[Signature]</u>																																																																						
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IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 59147

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: : : Long: : :
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

1. WELL TAG NO. D 63-99-W-0743-000
12041
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:

Name Mike Thiel
Address 7122 Happy Valley Rd.
City Kuna State Id. Zip 83634

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E S
Twp. 2 North ☐ or South ☐
Rge. 2 East ☒ or West ☐
Sec. 30 1/4 SW 1/4 SW 1/4
Gov't Lot _____ 10 acres _____
County _____
Lat: : : Long: Canyon
Address of Well Site 7122 Happy Valley Rd.
City Kuna
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☒ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
Bentonite	0	18	17		Overbore

Was drive shoe used? ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☒ Y ☐ N How? _____ Pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	1	128'	250	Steel	☒	☒	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations _____ Method _____

Screens _____ Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

101 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Sanitary Well Cap

11. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
70	21	122	4

Water Temp. 59 Bottom hole temp. _____
Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
10"	0	6	Dirt	No		
10"	6	18	Black Lava Rock	No		
8"	18	40	Black Lava Rock	No		
8"	40	121	Cracked Lava/ lost circulat	No		
8"	121	128	Hard Lava	No		
8"	128	132	Soft lava/little water	Yes		
8"	132	159	Hard Lava	No		
8"	159	185	Soft cracked lava/little	Yes		
8"	185	203	Very hard lava	No		
8"	203	210	Hard Cracked lava/water	Yes		

RECEIVED

NOV 17 1999

Department of Water Resources

RECEIVED

NOV 10 1999

WATER RESOURCES
WESTERN REGION

Completed Depth 210' (Measurable)
Date: Started 9/8/99 Completed 9/14/99

13. DRILLER'S CERTIFICATION

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

Company Name Can-Ada Well & Pump Firm No. 304

Firm Official Earl Skinner Date 10/27/99

and Earl Skinner Date 10/27/99
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES