

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-24195
Exam Date: 04/10/2025

1. Current Owner:
TERRACE LAKES RECREATION RANCH INC 101 HOLIDAY DR GARDEN VALLEY ID 83622-5031
2. Accompanied by: Lonnie Bramon (Owner), Terry Tucker (Water Master)
Phone No: L: (208) 863-7455 T: (208) 859-8826
Address: 101 Holiday Dr. Garden Valley 83622
Relationship to permit Holder: Owner and Water Master

3. **SOURCE:**
GROUND WATER

Method of Determination: Statement of Completion, In-Person Field Exam

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
65-7118	Spring	Heating, Domestic, Recreation	Decreed
65-7140	McBride Creek	Domestic	Decreed
65-12985	Groundwater	Domestic, Irrigation	License
65-13457	Groundwater	Domestic	License
65-23085	Groundwater	Domestic, Fire Protection, Irrigation	License

Comments: The above-mentioned water rights overlap the NWSE ¼ ¼ of 10N04E Section 33 for a nearby subdivided community.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
65-12985	Groundwater 0.2cfs	Domestic, Irrigation	License
65-13457	Groundwater 0.07cfs	Domestic	License
65-23085	Groundwater 0.47cfs	Domestic, Fire Protection, Irrigation	License

Comments: 65-12985 and 65-13457 are both owned by Terrace Lakes Recreation Ranch and overlap on several groundwater wells.

C. DIVERSION AND DELIVERY SYSTEM

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

GROUND WATER L4 (NW¼ NW¼), Sec. 3, Twp 09N, Rge 04E, B.M. BOISE County
Well 3 – D0046574 – 410775 - 44.14584 -115.97592

GROUND WATER NW¼ NE¼, Sec. 33, Twp 10N, Rge 04E, B.M. BOISE County
Well 4 – no metal tag or well ID - 44.16019, -115.98335

GROUND WATER SE¼ SW¼, Sec. 28, Twp 10N, Rge 04E, B.M. BOISE County
Well 6 – D0039476 – no well ID - 44.16349, -115.99109

GROUND WATER L3 (NE¼ SE¼), Sec. 33, Twp 10N, Rge 04E, B.M. BOISE County
Well 5 – D0041630 - 410075 - 44.15448, -115.98236

Method of Determination: OnX GPS, In-person Field Exam

PLACE OF USE: COMMERCIAL

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N	04E	33		X		X L2										X	X		

Method of Determination: In-person field exam, ArcMap aerial Imagery

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
D0041630 – W 5	Franklin Electric	20	2366048120	19E19	19E19-23-00181A
D0041625 – W 4	Unknown	Unknown	Unknown	Unknown	Unknown
D0039476-W 6	Franklin Electric	10	2366028120	15J19	15J19-10-06072A
D0046574 – W 3	Unknown	20	Unknown	Unknown	Unknown

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 measurements were taken during this field examination. A stipulation to resolve 2023 permitting protest by Terrace Lakes Water Company was that TLRR install flow meters to the lodge, motel, and pool. The mainlines from each well were underground and no adequate lengths of exposed mainline were available to collect a measurement.

E. FLOW CALCULATIONS**Well 3**

A pump test run by Valley Pump and Equipment Co. showed the 20HP pump set in D0046574 to deliver 93 gpm for the duration of an eight-hour test, as mentioned in an invoice provided by Valley Pump and Equipment Co. (figure 17). Minimal information about this well test was provided, leading to assumptions in the actual flow rate from this well if this data were to be used in the total flow for TLRR's delivery system. The data for well 3 should not be used.

$$93 \text{ GPM} * 0.00223 = 0.21 \text{ CFS}$$

Wells 5 and 6 are the only wells with sufficient pump information to conduct a theoretical calculation. The information available from wells 5 and 6 used for theoretical calculations tests exceeds the permitted diversion rate of 0.07cfs, and the rate will not be reduced at licensing.

Well 5

$$\frac{8.8 * 20\text{hp} * 0.81}{[(320 \text{ ft}) + (155 \text{ psi} * 2.31)]} = 0.21 \text{ CFS}$$

Well 6

$$\frac{8.8 * 10 \text{ hp} * 0.79}{[(230 \text{ ft}) + (25 \text{ psi} * 2.31)]} = 0.24 \text{ CFS}$$

F. VOLUME CALCULATIONS

2. Volume Calculations for Commercial:

Meter Serial #: 222356564		(Readings in Actual Units)			
AP-Year	Reading	Reading Date	Monthly Usage	YTD Usage	Reading Type
03-2025	151800	03/27/2025	10	41400	ACTUAL READING
02-2025	151790	02/27/2025	13850	41390	ACTUAL READING
01-2025	137940	01/25/2025	27540	27540	ACTUAL READING
12-2024	110400	12/27/2024	20570	110970	ACTUAL READING
11-2024	89830	11/27/2024	27150	90400	ACTUAL READING
10-2024	62680	10/27/2024	62680	63250	CHANGE OUT METER
09-2024	235610	09/26/2024	30	570	ACTUAL READING
08-2024	235580	08/26/2024	30	540	ACTUAL READING
07-2024	235550	07/26/2024	30	510	ACTUAL READING
06-2024	235520	06/26/2024	480	480	ACTUAL READING
05-2024	235040	05/30/2024	0	0	ACTUAL READING

Figure 1 Lodge meter readings from May 2024 through March 2025 provided by Terrace Lakes Water Company. Meter readings of 0 – 480 gallons May through September 2024, not indicative of the actual volume used by lodge. Volume is measured and reported in total gallons.

Lodge

Based off 2023 annual revenue from the restaurant provided by Loni, I estimated that 40,500 restaurant guests were served in 2023 (\$607,539 annual revenue divided by the average entrée price listed on their menu of \$15).

The old field examiners handbook indicates a standardized volume per guest of 12 gallons for a restaurant with toilet facilities and a bar/cocktail lounge.

$$\frac{(40,500 * 12)}{325,850} = 1.49 \text{ AFA}$$

November 2024 through February 2025 show accurate flow meter readings, totaling 89,110 gallons for one-third of the year. Assuming accurate flow meter data were to persist throughout the year, this provides a more accurate annual volume of 1.09 AFA, which contributes to the total volume for commercial use by TLRR.

$$\frac{(89,110 * 3)}{325,850} = 0.82 \text{ AFA}$$

Pool

Meter Serial #: 8559858		(Readings in Actual Units)			
AP-Year	Reading	Reading Date	Monthly Usage	YTD Usage	Reading Type
05-2025	4138810	05/28/2025	22230	80340	ACTUAL READING
04-2025	4116580	04/25/2025	10870	58110	ACTUAL READING
03-2025	4105710	03/27/2025	16290	47240	ACTUAL READING
02-2025	4089420	02/27/2025	14250	30950	ACTUAL READING
01-2025	4075170	01/25/2025	16700	16700	ACTUAL READING
12-2024	4058470	12/29/2024	23020	162180	ACTUAL READING
11-2024	4035450	11/27/2024	17440	139160	ACTUAL READING
10-2024	4018010	10/27/2024	22590	121720	ACTUAL READING
09-2024	3995420	09/26/2024	23090	99130	ESTIMATED READING
08-2024	3972330	08/26/2024	29530	76040	ACTUAL READING
07-2024	3942800	07/26/2024	21500	46510	ACTUAL READING
06-2024	3921300	06/26/2024	25010	25010	ACTUAL READING
05-2024	3896290	05/30/2024	0	0	ACTUAL READING

Figure 2 Pool meter readings May 2024 through May 2025 provided by Terrace Lakes Water Company. Readings were determined by the water company to be accurate. Volume is measured and reported in total gallons and totals 242,520 annual gallons.

The sum of the monthly usage totaled by the flow meter at the pool house from the beginning of June 2024 through May 2025 is 242,520 gallons.

$$\frac{242,520 \text{ gallons}}{325,850 \text{ gallons per acre foot}} = 0.74 \text{ AFA}$$

Cabins and Motel

The Old Field Examiner's Handbook estimates a standard of 60 gallons per day for a hotel room with private baths that occupies two guests. The volume of 60gpd was applied to the motel and cabins since the cabins consist of a bedroom and bathroom with no kitchen. Two, single room cabins at a standard rate of \$95/night. 2024 yielded the most visitors during the development period with an annual revenue of \$39,860.00.

$$\frac{\$39,860 \text{ revenue} * 60 \text{ gallons}}{\$95 \text{ daily rate} * 325,850 \text{ gallons per acre} - \text{foot}} = \mathbf{0.08 \text{ AFA}}$$

Seven, single queen-sized beds, motel rooms are available at a standard rate of \$79/night. 2024 yielded the most visitors during the development period with an annual revenue of \$88,812.56.

$$\frac{\$88,812.56 \text{ revenue} * 60 \text{ gallons}}{\$79 \text{ daily rate} * 325,850 \text{ gallons per acre foot}} = \mathbf{0.21 \text{ AFA}}$$

Restrooms and Water Fountains

Loni estimated that about 9,000 rounds of golf are played each season, including both members and day guests. The golf course includes two watering stations and a restroom that features two toilets and two sinks. The use of restrooms affiliated with the outdoor amenities at a resort is similar to a day camp with no meal service, as described by the Non-Irrigation Water Requirements Table of the Old Field Examiner's Handbook, to use 15 gallons per day.

$$\frac{15 \text{ gallons} * 9,000 \text{ guests}}{325,850} = \mathbf{0.41 \text{ AFA}}$$

Total volume: 0.74 AFA + 0.08 AFA + 0.21 AFA + 0.82 AFA + 0.41 AFA = 2.26 AFA

G. NARRATIVE/REMARKS/COMMENTS

A permit was issued on October 18, 2023 for 0.07 cfs groundwater for commercial use for one motel, two cabins, one pool with showers and restrooms, two golf course restrooms, drinking fountains, and a club style lodge. Proof of beneficial use was submitted to the department on November 1, 2024 and a field exam was conducted on April 10, 2025. The field exam was accompanied by Lonnie Bramon, current owner, and Terry Tucker, watermaster.

The water is delivered to Terrace Lakes Recreation Ranch (TLRR) via the water delivery system of Terrace Lakes Water Company (TLWC), whose water is designated for domestic, irrigation, and fire protection. The TLWC delivery system includes four wells that also provide water to TLRR and two storage tanks, which are in the system diagram in Figure 3. Following an application protest made by TLWC, an agreement between TLRR and TLWC was made to allow TLRR to use water delivered by TLWC for commercial use, if flow meters are installed at the points of delivery from TLWC. This included a flow meter at the lodge, the motels, and the pool. During the development period, a meter was installed at the pool (Figure 5) and lodge (Figure 15). A flow meter providing accurate readings has been installed at the pool, to which readings provide a monthly volume and are used to provide an annual volume for this right. There are no current plans to install a flow meter to the motel, so an annual volume was derived using a standard volume per guest from the old field examiners handbook and 2023 annual revenue provided by Loni for the motel and cabins, as shown in item F. Four months of meter readings in the lodge appeared to be accurate in comparison to the 2023 annual revenue from the lodge, so an annual volume for the lodge was derived by extrapolating the accurate flow monitoring data throughout the rest of the year. This includes the restaurant, lounge, and lodge restrooms.

Four points of diversion from TLWC's system were used during the development period for TLRR, all of which divert water to two storage tanks that are used by both TLRR and TLWC. The pool, lodge, motel, and cabins pull water from storage while the restroom located on the golf course utilizes water directed straight from the wells. Since the two storage tanks are part of a public utility system owned by TLWC and there was no exposed closed conduit suitable for a direct measurement on any well, the rate in Item E was calculated theoretically for two of the four wells which had sufficient information to provide a rate.

Condition 020 was also placed on the permit, stating that the permit was subject to additional conditions and limitations agreed to by the protest under a separate agreement to which the Department is not responsible for enforcement of those conditions. Condition 121 was replaced with 103 per department standards. The license should be approved as recommended below.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
COMMERCIAL	01/01 to 12/31	0.07 CFS	2.3 AFA

Totals:

0.07 CFS

2.3 AFA

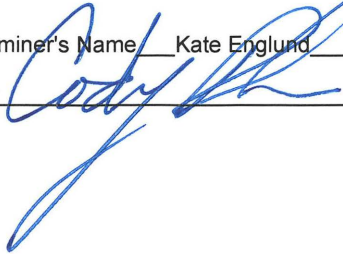
2. Recommended Amendments

_____ 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 August 1, 2025

Reviewer  Date 12/23/25

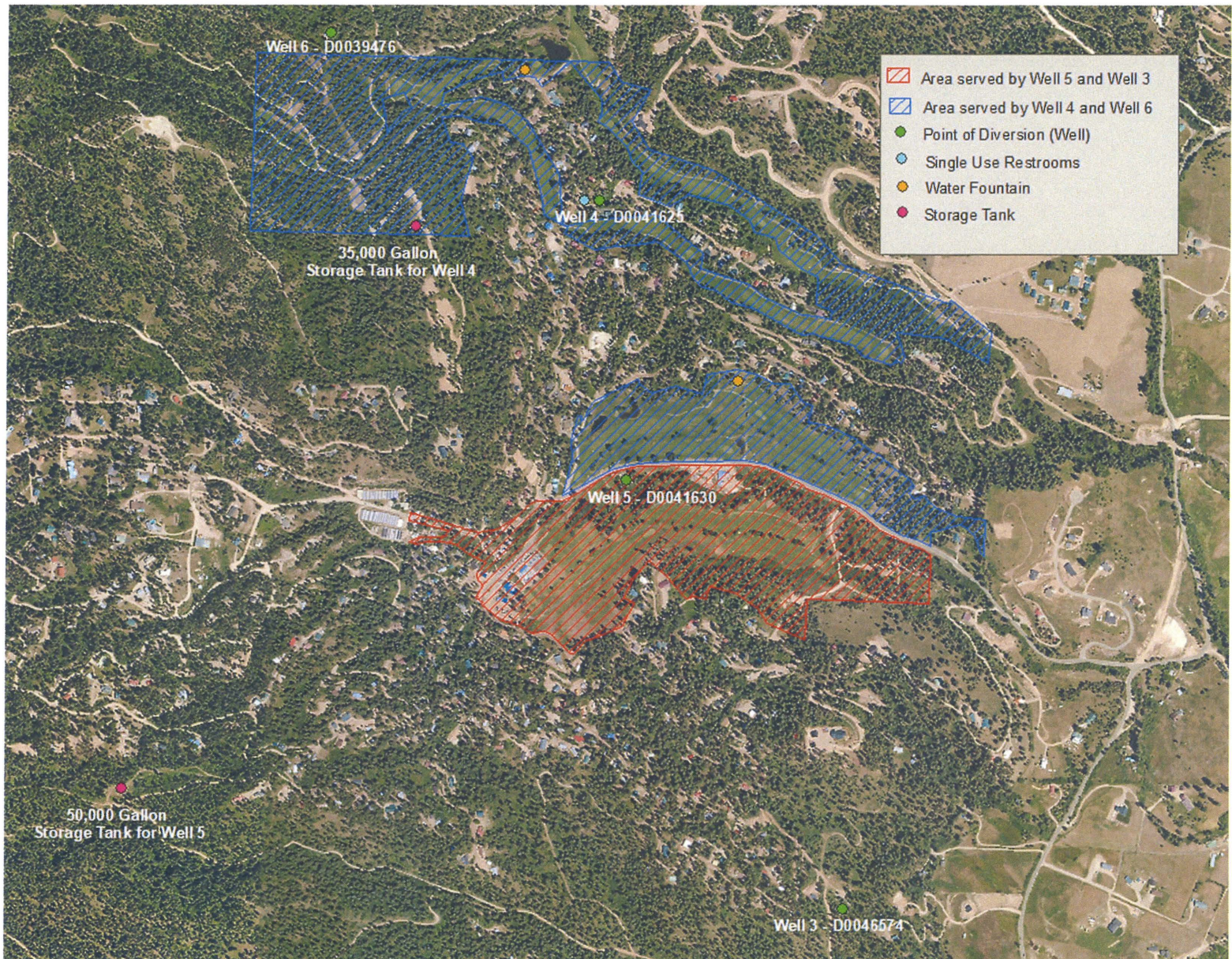


Figure 3 System diagram including the place of use outlines, points of diversion, storage tank locations, single use restroom, and water fountain. The place of use outline includes the entire service boundary from each well for WR 65-24195 and the irrigation for WR 65-12985, which utilizes a shared system. Mainlines are not included in the diagram due to the uncertainty of the exact locations, diameters, are routes.



Figure 4 TLRR pool that utilizes geothermal and cold well water.

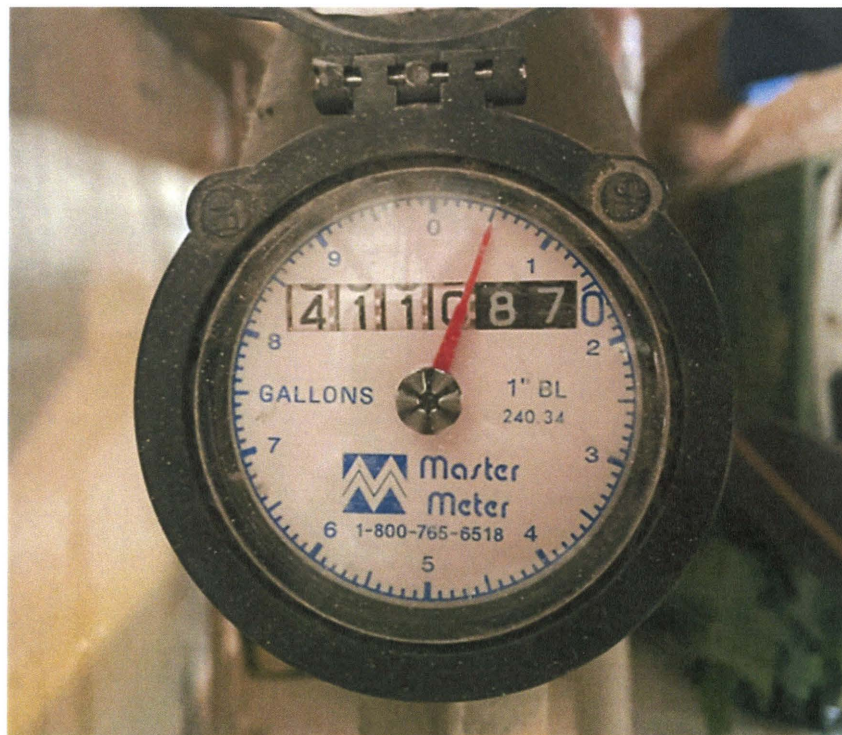


Figure 5 Flow meter in pool house. All water used in the pool and pool restrooms is accounted for by this flow meter.



Figure 6 Motel which includes seven single rooms.



Figure 7 One of the seven identical motel restrooms.



Figure 8 Motel restroom showerhead.

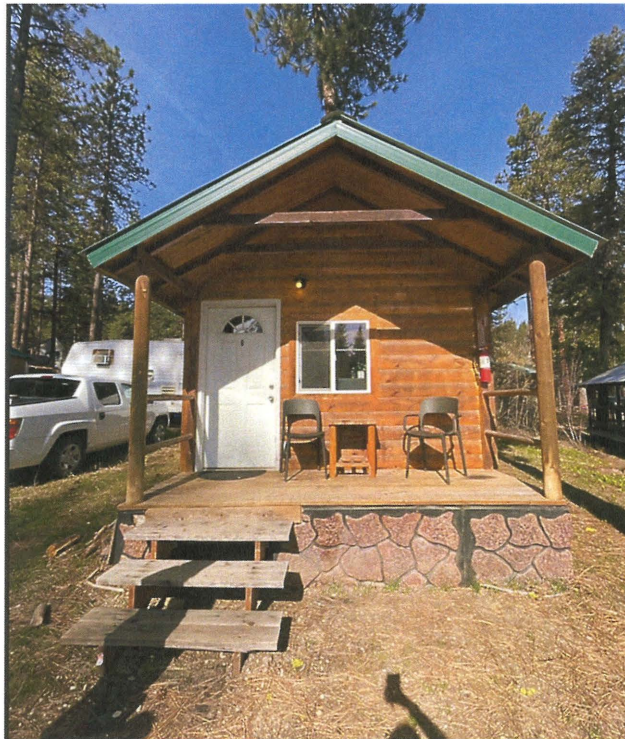


Figure 9 One of two identical cabins which include a single room and restroom.



Figure 10 Cabin restroom.

	Jan - Dec 24	Jan - Dec 23
Ordinary Income/Expense		
Income		
615-06 - Rental Income-Cabins	39,860.00	38,477.51
617-06 - Rental Income-Motel	88,812.56	83,874.56

Figure 11 Annual revenue from cabins and motel for 2023 and 2024, provided by the owner during the field exam

Class	Fee Per Night
Motel	\$79
Single Room Cabin	\$95

Figure 12 Motel and single room cabins daily fees listed on Terrace Lakes Recreation Ranch's website. Prices are current to May 2025.



Figure 13 Golf course restroom including two toilets and two sinks.

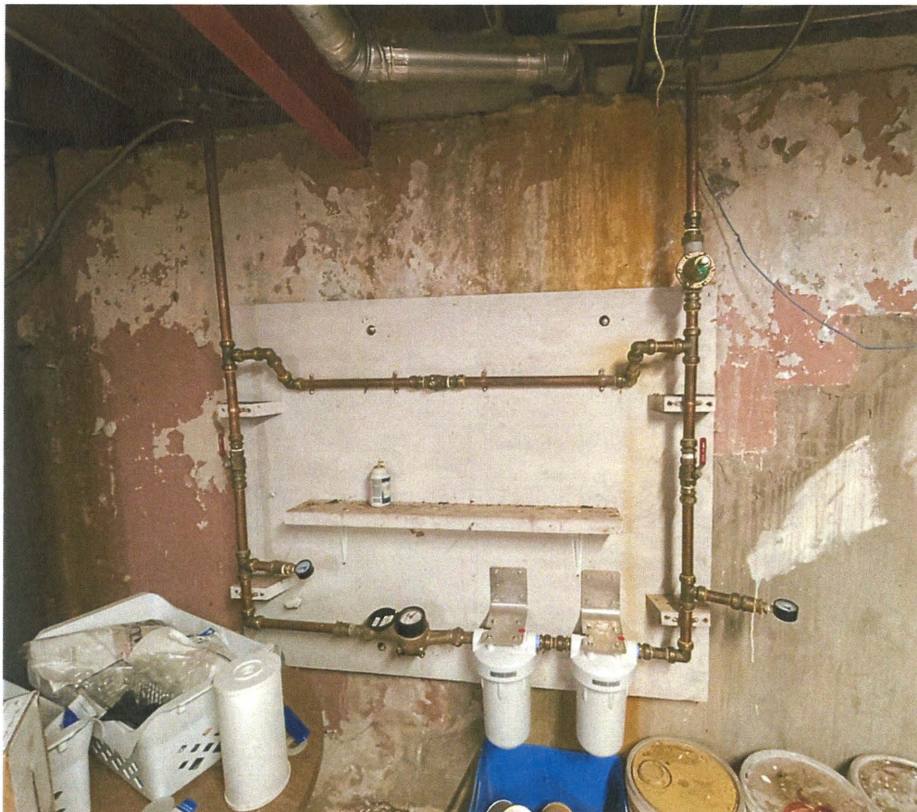


Figure 14 Flow meter location within the lodge.



Figure 15 Lodge flow meter. All water utilized within the lodge including restaurant, bar, and public restrooms should be accounted for by this meter.



Figure 16 Well 3, D0046574.



Figure 17 Metal tag for well 3, D0046574.

Terrace Lakes Water Co. 101 Holiday Lane Garden Valley, ID 83622		07:25/4	
		Terms	P.O. No.
		NET 10TH	Rep
			PLF
Qty	Description	Rate	Amount
	NOTE: *****Terry with the homeowner assoc. gave wrong information on the first pump end ordered in and we had to have a 2nd pump end built and delivered. First pump ran 8 hours @ 93gpm		

Figure 18 Well test mentioned by Valley Pump and Equipment Co. showing 93 gpm for the duration of an eight-hour test.

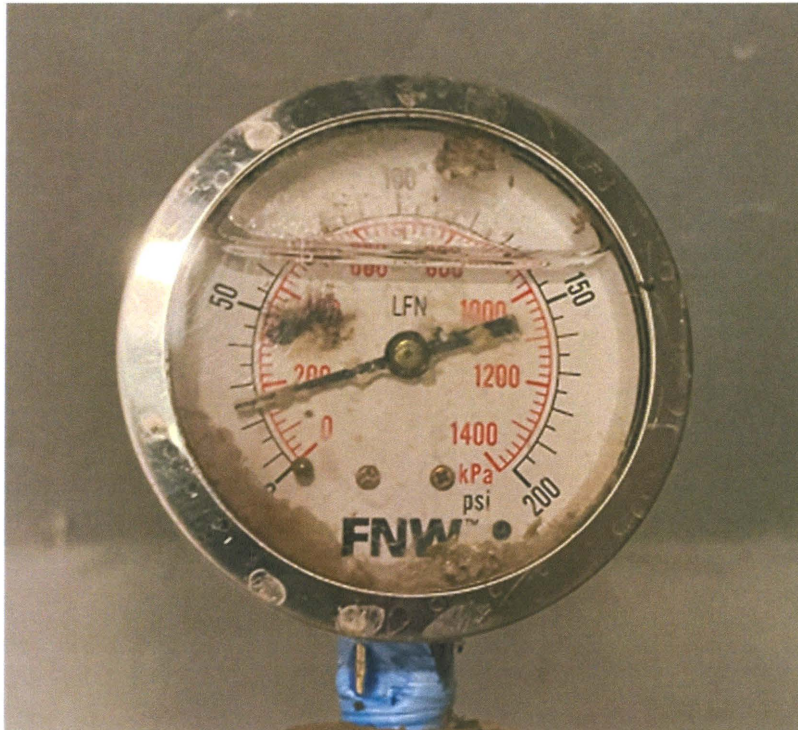


Figure 19 Pressure gage on well D0046574 showing a 25psi at the time of the field exam.



Figure 20 Well 4 head. No metal tag was available.

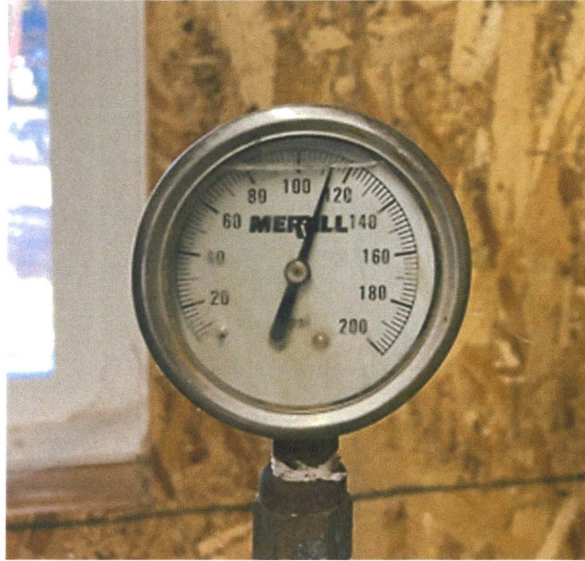


Figure 21 Pressure gage for well 4 reading 117 psi at the time of the field exam.



Figure 22 Well head for well 5, or D0041630.



Figure 23 Metal tag D0041630.

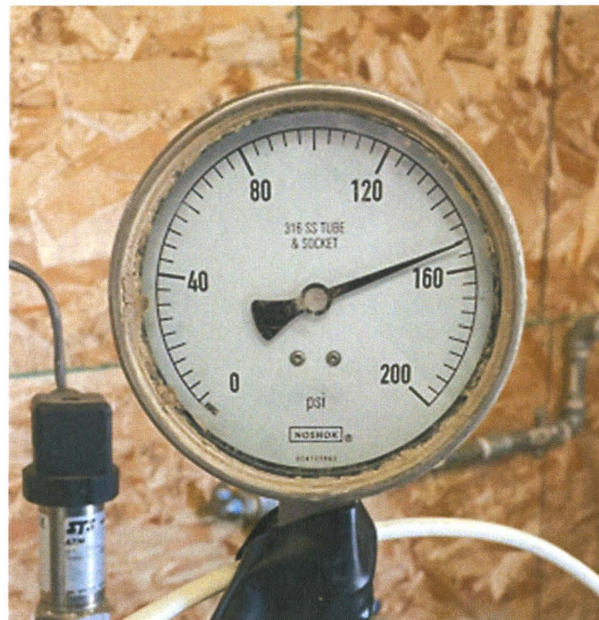


Figure 24 Pressure gage for D0041630 reading 155psi at the time of the field exam.

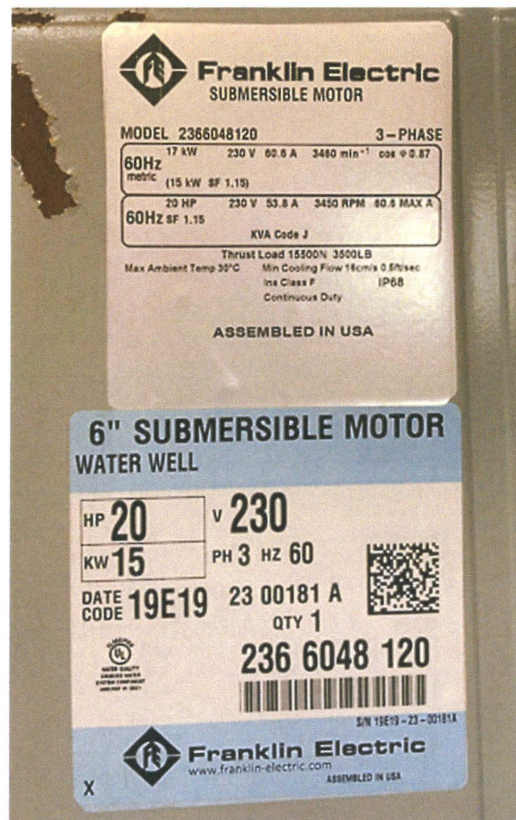


Figure 25 Pump specification tag for D0041630.

Ratings

HP	20 hp
Frequency	60 Hz
Phases	Three-Phase
Amps - Full Load	53.8 A
Amps - Service Factor	60.6 A
Volts	230 VAC
Voltage Tolerance (%)	-10.0% / +10.0%
Wire	3-Wire
Motor Connection	DOL
Thrust Bearing Rating	3500 lb
Lead Length	13 ft
Motor	Encapsulated
Continuous Duty	Yes
Efficiency Service Factor Load [%]	82.00 %

Figure 26 Specifications for 2366048120 20 HP motor from Franklin Electric used in D0041630.



Figure 27 Well head for well 6, or D0039476.



Figure 28 Metal tag for D0039476.

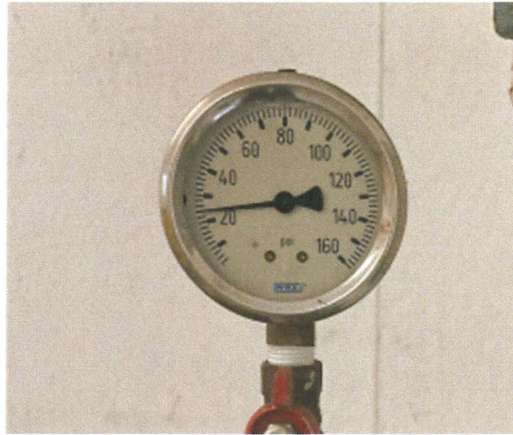


Figure 29 Pressure gage for D0039476 showing 25psi at the time of the field exam.



Figure 30 Pump specification tag for D0039476.

Ratings

HP	10 hp
Frequency	60 Hz
Phases	Three-Phase
Amps - Full Load	28.4 A
Amps - Service Factor	32.2 A
Volts	230 VAC
Voltage Tolerance (%)	-10.0% / +10.0%
Wire	3-Wire
Motor Connection	DOL
Thrust Bearing Rating	3500 lb
Lead Length	13 ft
Motor	Encapsulated
Continuous Duty	Yes
Efficiency Service Factor Load [%]	79.00 %

Figure 31 Specifications for 2366028120 10 HP motor from Franklin Electric used in D0039476.

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D D00 46574
DRILLING PERMIT NO. 895093 - 840479
Water Right or Injection Well No. 65-13457 65-12985

2. OWNER:

Name Terrace Lakes Resort (#3)
Address 101 Holiday
City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 9 North ☒ or South ☐
Rge. 4 East ☒ or West ☐
Sec. 3 NW 1/4 NW 1/4 1/4
Gov't Lot 4 10 acres 40 acres 160 acres

Lat: : : Long: : :
Address of Well Site Terrace Lakes Resort #3
101 Holiday City Garden Valley

Lt. Blk. Sub. Name

4. USE:

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

5. TYPE OF WORK check all that apply

☐ New Well ☒ Modify ☐ Abandonment ☐ Other Deepen (Replacement etc.)

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☒ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>NA Seal already in place</u>				

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) NA

Was drive shoe seal tested? ☐ Y ☐ N How? NA

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>5"</u>	<u>+18</u>	<u>270</u>	<u>258</u>	<u>Steel</u>	☐	☒	☐	☐

Length of Headpipe 270 Length of Tailpipe 20

Packer ☐ Y ☐ N Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method

Screen Type & Method of Installation S/S Welded

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>270</u>	<u>350</u>	<u>020</u>		<u>5"</u>	<u>S/S</u>	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>10 - 20</u>	<u>0</u>	<u>380</u>	<u>123 Sacks</u>	<u>Poured</u>

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

200 ft. below ground Artesian pressure NA lb.

Depth flow encountered 340 ft. Describe access port or control devices:

840479
Office Use Only
Well ID No. 410775
Inspected by
Twp Rge Sec
1/4 1/4 1/4
Lat: : : Long: : :

12. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>20+</u>	<u>360</u>	<u>360</u>	<u>4 hour</u>

Water Temp. cold Bottom hole temp. 58

Water Quality test or comments: some smell

Depth first Water Encounter 340

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
			<u>Cased to 200'</u>		
<u>7 7/8</u>	<u>200</u>	<u>250</u>	<u>clay-some sandstone</u>	<u>X</u>	
	<u>250</u>	<u>370</u>	<u>sandstone brown</u>	<u>X</u>	
	<u>370</u>	<u>400</u>	<u>xxx clay brown</u>		<u>X</u>

RECEIVED

JUL 10 2006

WATER RESOURCES
WESTERN REGION

Completed Depth 400' (Measurable)

Date: Started 6/26/06 Completed 7/03/06

14. DRILLER'S CERTIFICATION

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

Company Name Rauch Drilling Firm No. 570

Principal Driller [Signature] Date 7/6/06

and Driller or Operator II [Signature] Date 7/6/06

Operator I Date

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

839753

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D D00 41630

DRILLING PERMIT NO. _____

Water Right or Injection Well No. _____

2. OWNER:

Name Terrace Lakes

Address 101 Holiday Dr

City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 10 North ☒ or South ☐

Rge. 4 East ☒ or West ☐

Sec. 33 NE 1/4 SE 1/4 1/4

Gov't Lot _____ 10 acres 40 acres 160 acres

County Boise

Lat: _____ Long: _____

Address of Well Site Terrace Lakes

City Garden Valley

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 Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	225	178	Poured

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+18	260	280	Steel	☒	☐	☒	☐
		260	270	Screen	☐	☐	☐	☐
		350	380	Screen	☐	☐	☐	☐

Length of Headpipe 350 Length of Tailpipe 20

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
260	270	030		6"	SS	☒	☐
350	380	030		6"	SS	☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
10 / 8	230	400		Poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

_____ ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

Office Use Only
Well ID No. 410075
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

12. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
150+	320	320	2 Hour

Water Temp. cold Bottom hole temp. 58-60

Water Quality test or comments: good

Depth first Water Encounter 65

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dist.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10"	0	65	Clay		X
	65	78	sand/gravel	X	
	78	135	Clay		X
	135	166	Gravel		X
	166	200	Clay		
	200	210	Sand/Gravel		
	210	315	Clay/Sand/Gravel		??
	315	345	Clay		X
	345	460	Broken Sand/Gravel	X	

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JUN 28 2006

WATER RESOURCES
WESTERN REGION

Completed Depth 400' (Measurable)

Date: Started 6-12-06 Completed 6-15-06

14. DRILLER'S CERTIFICATION

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

Company Name Ranch Drilling Inc Firm No. 570

Principal Driller [Signature] Date 6-26-06

and Driller or Operator II [Signature] Date 6-26-06

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0039476 0046843

DRILLING PERMIT NO. _____

Water Right or Injection Well No. 65-23685

2. OWNER:

Name Lonnie Bramon / Jenace Lakes
Address 8 Rainbow Ridge
City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 10 North ☒ or South ☐
Rge. 4 East ☒ or West ☐
Sec. 28 SE 1/4 SW 1/4 1/4
Gov't Lot _____
County Boise

Lat: 44: 9: 806 Long: 115: 59: 476
Address of Well Site 8 Rainbow Ridge
Terrace Lakes City Garden Valley

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other Multi Dom / Fire Protect

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 Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	150	103	poured

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+18"	190	280	Steel	☒	☐	☒	☐

Length of Headpipe 180 Length of Tailpipe 10

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
190	200	030		6"	S/S	☒	☐
220	230	030		6"	S/S	☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
3/8	160	240	1 1/2 yd	poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

160 ft. below ground Artesian pressure NA lb.
Depth flow encountered 160 ft. Describe access port or control devices: _____

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
50-100	230	230	8 hour

Water Temp. cold Bottom hole temp. 59

Water Quality test or comments: good

Depth first Water Encountered 160

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	30	clay		X
10	30	80	D.G.		X
10	80	115	soft D.G. w/hard streaks		X
10	115	135	D.G.		X
10	135	160	Broken hard granite		X
10	160	170	Broken granite	X	
10	170	200	Broken granite	X	
10	200	245	Broken hard granite	X	

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AUG 17 2006

WATER RESOURCES
WESTERN REGION

Completed Depth 240 (Measurable)

Date: Started 7/24/06 Completed 8/04/06

14. DRILLER'S CERTIFICATION

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

Company Name Rauch Drilling Inc Firm No. 570

Principal Driller [Signature] Date 8/11/06

Driller or Operator II [Signature] Date 8/11/06

Operator I [Signature] Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No. 406132
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

1. WELL TAG NO. D 0041625
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____

2. OWNER:

Name Terrace Lakes Resort
Address 101 Holiday Dr.
City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 10N North ☒ or South ☐
Rge. 4 East ☒ or West ☐
Sec. 33 NE 1/4 SW 1/4 SE 1/4
Gov't Lot _____
Lat: _____ Long: _____
Address of Well Site Tamarack & Starlight
City Garden Valley

(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 Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	270	300 sacks	Poured

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) N/A

Was drive shoe seal tested? ☐ Y ☒ N How? N/A

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+18"	310'	280	Steel	☒	☐	☒	☐
6"	320'	360'	280	Steel	☒	☐	☒	☐
6"	370'	380'	280	Steel	☒	☐	☒	☐

Length of Headpipe 360 Length of Tailpipe 25

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
310	320	025		6"	S/S	☒	☐
360	370	025		6"	S/S	☒	☐
380	390	025		6"	S/S	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
3/8" Pea Gravel	300	415	1 1/2 yd	Poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

_____ ft. below ground Artesian pressure _____ lb.
Depth flow encountered 95 ft. Describe access port or control devices: _____

12. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
100+	350	380	3 Hr.

Water Temp. cold 58 Bottom hole temp. 58

Water Quality test or comments: _____

Depth first Water Encounter 95

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
14"	0	80	Clay, brown		X
"	80	95	D G Loose		X
"	95	118	Gravel	X	
"	118	182	D G		X
"	182	185	Sand	X	
"	185	215	Clay, brown		X
"	215	240	D G		X
"	240	300	Clay, blue		X
10"	300	310	Sand	X	
"	310	320	Clay, brown		X
"	320	336	Hard Clay, black-blue	X	
"	336	390	Sand & Clay streaks	X	
"	390	415	D G		X

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SEP 22 2005

WATER RESOURCES
WESTERN REGION

Completed Depth 415 (Measurable)

Date: Started 8/26/05 Completed 8/31/05

14. DRILLER'S CERTIFICATION

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

Company Name Rauch Drilling Inc Firm No. 570

Principal Driller [Signature] Date 9/20/05

Driller or Operator II [Signature] Date _____

Operator I [Signature] Date 9/20/05

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.