

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34184

Exam Date: 10/1/2024

1. Current Owner:
SHIRAZ POINTE HOA 15440 SYRAH CT CALDWELL ID 83607-4809
2. Accompanied by: Dean Duff
Phone No: (208) 890-7808 dcondba@gmail.com
Address: 15339 Syrah Ct. Caldwell ID 83607
Relationship to permit Holder: HOA President

3. **SOURCE:**
GROUND WATER

Method of Determination: Proof of beneficial use, field exam, ArcGIS

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
63-26541	Groundwater	Domestic	Decreed
63-26542	Groundwater	Domestic	Decreed
63-34804	Groundwater	Domestic + Irrigation	License
63-34803	Groundwater	Domestic + Irrigation	License
63-34829	Groundwater	Domestic + Irrigation	License
63-233K	Boise River	Irrigation	Decreed

Comments: Six of the overlapping rights or permits are supplying irrigation or domestic water to parcels within the HOA and three of them also overlap in point of diversion. There are also several overlapping water rights associated with irrigation districts that overlap. These have no impact on this license since the HOA provides irrigation water through this license.

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

Water Right No.	Source	Purpose of Use	Basis
63-23654	Groundwater	Domestic (0.04 cfs)	Decreed
63-28262	Groundwater	Domestic (0.04 cfs)	Decreed
63-28809	Groundwater	Domestic (0.04 cfs)	Decreed

Comments: The three water rights and permits that use groundwater from this well are owned by homeowners residing in the subdivision under this HOA.

C. DIVERSION AND DELIVERY SYSTEM

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

GROUND WATER NW¼ SW¼, Sec. 13, Twp 03N, Rge 04W, B.M. CANYON County

Method of Determination: Field exam, Garmin GPS ArcMap

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	04W	13										6							6

Total Acres: 6

Method of Determination: Field exam, GIS taxlot data

3.

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

☒ X

Indicate weir size/pipe as applicable.

☒ X

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

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
D0053009	Pentair Pentek Intellidrive	5	NA	NA	NA

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NA	NA	NA	NA	NA	NA	NA

2. Measurements: No flow measurements taken.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

Standard irrigation rate as per AP memo #17: $5.9 \times 0.02 \text{ cfs} = 0.12 \text{ cfs}$

Estimation based off recorded pump test showing 45 gpm at 50 psi:

 $X = 45 \text{ gpm} \times \sqrt{(50 \text{ psi} / 60 \text{ psi})} = 41.1 \text{ gpm} \times 0.00223 = 0.09 \text{ cfs}$ $45 \text{ gpm} \times 0.00223 = 0.10 \text{ cfs}$ **F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5.9 \text{ acres} \times 3.5 \text{ AF} = 20.7 \text{ AFA}$ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.10 \text{ cfs} \times 259 \text{ days} \times 1.9835 = 51.4 \text{ AFA}$ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 20.7 \text{ AFA}$

2. Volume Calculations for Other Uses: NA

G. NARRATIVE/REMARKS/COMMENTS

The Shiraz Pointe HOA secured this permit to irrigate a total of 14 acres from ground water at a rate of 0.27 cfs. During the development period, Shiraz Pointe subdivided the parcel and each homeowner drilled a domestic well that irrigates private landscapes. Upon application, the owner proposed a second well but continued to use only the existing well for irrigation. The west side of the subdivision has a berm to provide residence with additional privacy. This is a common area that is irrigated under this permit. There are two other common areas irrigated by this well, as represented on the map in figure 1. Two residential lots are metered and irrigated under this permit, totaling an additional 2.05 acres. The common areas include 3.9 acres split between the west side of the subdivision or two common lots on the south side of the subdivision. The total developed irrigated area under this permit is 5.9 acres. The well driller, Mike Knie, also installed the 5hp pump in 2008. During a phone call with Mike, he provided recorded information about the pump, stating that a pump test demonstrated 45 gpm at 50 psi, or 0.10 cfs. At the time of the field exam, the pentek intellidrive pressure control panel displayed a pressure of 60 psi. In item E, a calculation is provided to illustrate the relationship between the flow rate during the pump test and the pressure that the system was set to during the field examination. I recommend that WR 63-34184 is licensed at a rate of 0.10cfs and an annual volume of 20.7 AFA for the developed 5.9 acres of irrigation. This licensed rate will be consistent with the system capability during the initial pump test upon installation.

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>
IRRIGATION	03/01 to 11/15	0.10 CFS	20.7 AFA

Totals: 0.10 CFS 20.7 AFA

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date 12/23/2024

Reviewer _____ Date _____

G. NARRATIVE/REMARKS/COMMENTS

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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>
IRRIGATION	03/01 to 11/15	0.10 CFS	

Totals: 0.10 CFS

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

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Field Examiner's Name Kate Englund Date 12/23/2024

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IRRIGATION	03/01 to 11/15	0.10 CFS	

Totals: 0.10 CFS

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

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I. AUTHENTICATION Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date 12/23/2024

Reviewer Cody Rh Date 01/08/25

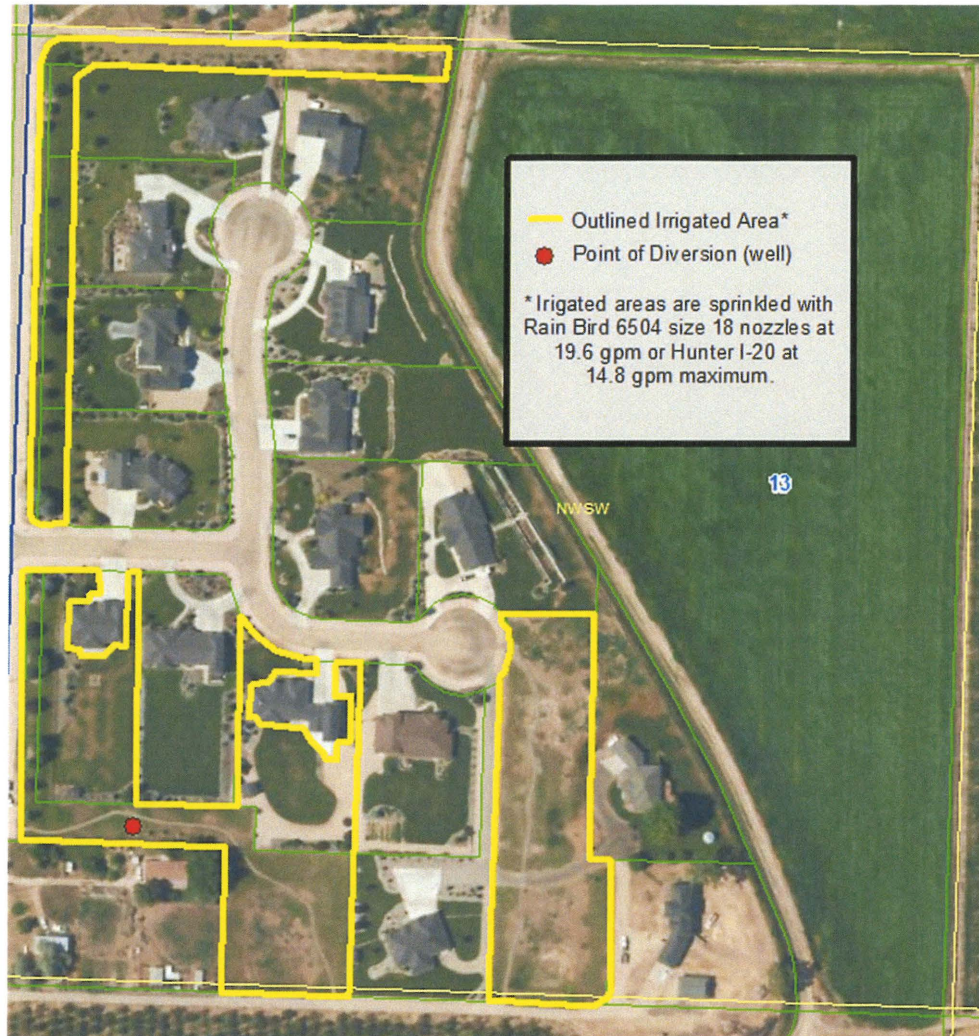


Figure 1 System diagram including irrigated areas and the point of diversion. Irrigated areas total 6.0 acres and include four common lots as well as two residential lots.



Figure 2 Point of Diversion (well), located on a sprinkler irrigated area within the place of use.



Figure 3 Metal identification tag on well D0053009.



Figure 4 Pressure gage reading 52 psi.



Figure 5 Pentair Pentek Intellidrive water pressure controller.



Figure 6 Pentair Intellidrive water pressure monitor screen reading 60psi.



Figure 7 Rain Bird 6504 Nozzle 18 with a flow rate of 19.8 gpm. Sprinkler head found within an irrigated area belonging to the HOA.



Figure 8 Hunter I-20 sprinkler head located in an irrigated lot belonging to the HOA.



Figure 9 Common area belonging to HOA irrigated by this license located on south side of subdivision. Photo taken facing west.



Figure 20 Common area belonging to HOA irrigated by this license located on north side of subdivision. Photo taken facing east.



Figure 31 Common area belonging to HOA irrigated by this license located on south side of subdivision. Photo taken facing north.

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

81129

1. WELL TAG NO. D 0053009

Drilling Permit No. PO Box 1958

Water right or injection well # _____

2. OWNER: Mohammad Ali Mohammad

Name Mohammad Ali

Address Chicken Dinner Road No Add

City Caldwell State Id Zip 83607

3. WELL LOCATION:

Twp. 3 North ☒ or South ☐ Rge. 4 East ☐ or West ☒

Sec. 13 10 acres 1/4 NW 40 acres 1/4 SW 160 acres 1/4

Gov't Lot _____ County Canyon

Lat. _____ (Deg. and Decimal minutes)

Long. _____ (Deg. and Decimal minutes)

Address of Well Site Off of Hwy 55 on 15500

Chicken Dinner Road City Caldwell

Lot. 13 Blk. NO Sub. Name Shiraz Point

4. USE:

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

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
<u>Bentright</u>	<u>0</u>	<u>20</u>	<u>600 lbs</u>	<u>10" over bore</u>

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>6"</u>	<u>13</u>	<u>345</u>	<u>250</u>	<u>Steel</u>	☒	☐	☐	☒
<u>5"</u>	<u>330</u>	<u>350</u>	<u>188</u>	<u>Steel</u>	☐	☒	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 345

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type Johnson

Method of installation pull Back

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or schedule
<u>350</u>	<u>390</u>	<u>12"</u>		<u>5</u>	<u>SS</u>	<u>40</u>

Length of Headpipe 20 Length of Tailpipe -0-

Packer ☒ Y ☐ N Type K

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device well cap

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 120 Static water level (ft) 70'

Water temp. (°F) X Bottom hole temp. (°F) 70°

Describe access port X

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
	<u>90</u>	<u>60</u>

Test method:

Pump ☒ Bailer ☐ Air ☐ Flowing artesian ☐

Water quality test or comments: Sulfer Smell

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
<u>10</u>	<u>0</u>	<u>8</u>	<u>Top Soil</u>		
<u>10</u>	<u>8</u>	<u>20</u>	<u>Dry Gravel</u>		
<u>6</u>	<u>20</u>	<u>38</u>	<u>= =</u>		
<u>6</u>	<u>38</u>	<u>83</u>	<u>Clay</u>		
<u>6</u>	<u>83</u>	<u>100</u>	<u>Brown Sand</u>		
<u>6</u>	<u>100</u>	<u>120</u>	<u>Clay</u>		
<u>6</u>	<u>120</u>	<u>139</u>	<u>Sand + Clay Strips</u>		
<u>6</u>	<u>139</u>	<u>145</u>	<u>Clay</u>		
<u>6</u>	<u>145</u>	<u>168</u>	<u>Sand + Clay Strips</u>		
<u>6</u>	<u>168</u>	<u>202</u>	<u>Clay</u>		
	<u>203</u>	<u>215</u>	<u>Fine Sand</u>		
	<u>215</u>	<u>220</u>	<u>Clay</u>		
	<u>220</u>	<u>245</u>	<u>Blue Clay</u>		
	<u>245</u>	<u>310</u>	<u>Light Blue clay</u>		
	<u>310</u>	<u>318</u>	<u>Sand</u>		
	<u>318</u>	<u>325</u>	<u>Clay Blue</u>		
	<u>325</u>	<u>333</u>	<u>Sand</u>		
	<u>333</u>	<u>345</u>	<u>Light Blue Clay</u>		
	<u>345</u>	<u>350</u>	<u>Sand</u>		
	<u>350</u>	<u>357</u>	<u>Sand Small Gravel mixed</u>		
	<u>357</u>	<u>370</u>	<u>Sand + Clay</u>		
	<u>370</u>	<u>400</u>	<u>Shale</u>		
	<u>400</u>	<u>420</u>	<u>Sand Fine</u>		
Completed Depth (Measurable): <u>390</u>					

Date Started: 5-3-08 Date Completed: 6-17-08

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 Kave Pump Drilling Co. No. 417

*Principal Driller Mike Kule Date 6-26-08

*Driller Mike Kule Date _____

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Englund, Kate

From: OFFICE COONSEDRILLINGPUMP <office@coonsedrillingpump.com>
Sent: Thursday, December 5, 2024 2:11 PM
To: Englund, Kate
Subject: Fwd: Invoice from COONSE WELL DRILLING & PUMP CO., INC.
Attachments: Inv_210940_from_COONSE_WELL_DRILLING__PUMP_CO._INC._24880.pdf

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

----- Forwarded message -----

From: <office@coonsedrillingpump.com>
Date: Tue, Nov 26, 2024 at 3:15 PM
Subject: Invoice from COONSE WELL DRILLING & PUMP CO., INC.
To: <kate.englund@idwr.idaho.gov>

COONSE WELL DRILLING & PUMP CO., INC.

Invoice Due: 05/17/2024
210940

Amount Due: **\$0.00**

To Customer :

Your invoice appears below. Please remit payment at your earliest convenience.

Thank you for your business - we appreciate it very much.

Sincerely,

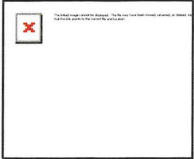
COONSE WELL DRILLING & PUMP CO., INC.
(208) 454-0190

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Thank you & have a great day!

Ginger Horan-White
Coonse Well Drilling & Pump Co., Inc.
15851 Gunfire Road
Caldwell, ID 83607
Email: office@coonsedrillingpump.com
P 208-454-0190

As a customer, your business is important to us and should you have any other questions, or concerns, please feel free to contact us. Alternatively, [Google](#) Coonse Well Drilling and click on "write a review" to leave us a [Google](#) review and let us know how we are doing.



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COONSE WELL DRILLING & PUMP CO.,

P O Box 366
Middleton, ID 83644

Phone # (208) 454-0190

INVOICE

BILL TO:

SHIRAZ POINTE HOA
15339 SYRAH CT.
CALDWELL, ID 83607

PAID
06/11/2024

DATE**INVOICE #**

5/17/2024

210940

PROJECT		TERMS	DUE DATE
COMMUNITY WELL		Due on receipt	5/17/2024
QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1	PENTEK PID50 CONSTANT PRESSURE CONTROLLER, 3 YR	5,693.00	5,693.00
	MANUFACTURER WARRANTY		
1	SERVICE CALL/LABOR	150.00	150.00
		0.00%	0.00

THANK YOU FOR YOUR BUSINESS!
PLEASE PAY BY THIS INVOICE.

Make all checks payable to: Coonse Well Drilling & Pump Co., Inc.
All past due accounts are subject to service charge of 1 1/2% per month or
maximum permitted by law.
NOTE: THERE IS A 3.5% PROCESSING FEE ON CREDIT CARD PAYMENTS.

Total \$5,843.00

Payments Applied -\$5,843.00

Balance Due \$0.00

E-mail

office@coonsedrillingpump.com