

IN-OFFICE BENEFICIAL USE FIELD REPORT

Permit No: 63-33770

Examiner: A. Skinner

Date: 11/22/2017

In-office qualification (IDAPA 035.01.r):

- ☒ Irrigation ≤ 5 acres
☐ Stockwater storage ≤ 14.6 af
☐ Total diversion rate ≤ 0.24 cfs and not irrigation or storage

Current Owner Name: JEFF MORGAN

Address: 7464 ZENITH LN, STAR, ID 83669

Beneficial Use Fee Paid: \$50.00

Receipt: C103851

Source: GROUND WATER

 Source change? ☒ N ☐ Y Change clarifies originally intended source.
 If not – void permit.

Point of Diversion			NE				NW				SW				SE			
Twp	Rge	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
05N	02W	35															X	

Method of Determination: Aerial imagery and file documents.

POD change? ☒ N ☐ Y

Place of Use			NE				NW				SW				SE				Totals
Twp	Rge	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	02W	35															1.3		1.3

Method of Determination: 2017 Google Earth imagery.

POU change? ☒ N ☐ Y

Purpose of Use: IRRIGATION

Purpose change? ☒ N ☐ Y

Method of Determination: File notes and aerial imagery.

Standard Season of Use: 3/01 - 11/15

Update required on license? ☒ N ☐ YOverlap Review POD overlap? ☒ N ☐ Y WR's:Analysis Attached ☒ Comments:POU overlap? ☒ N ☐ Y WR's:

Comments:

Diversion Rate	Permitted Rate: 0.06 cfs	BU Standard Limit: 0.04 cfs
	BU Fee Limit: 0.20 cfs	Theoretical (optional): cfs
Recommended Total Div Rate: 0.04 cfs		

Annual Volume

For Irrigation:	0.04 cfs x 1.9835 x 260 days	= 20.6 af
	1.3 acres x 4.5 af/ac (FHR)	= 5.9 af
	Smaller of two volumes	= 5.9 af

For other uses: NA

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Recommended Amounts

Beneficial Use	Season of Use	Diversion Rate (cfs)	Annual Volume (af)
IRRIGATION	3/01 - 11/15	0.04	5.9
Totals		0.04 cfs	5.9 af

Amendments Required☐ Change P.D.☐ Add P.D☒ None☐ Change P.U.☐ Add P.U.☐ Other:**Conditions:** 103 and R69Have conditions of permit been met? ☒ Y ☐ N**Narrative:**

Permit No. 63-33770 authorizes the diversion of 0.06 cfs from groundwater for irrigating 2.0 acres. Based on the small diversion, the permit qualifies for an in-office field exam. The exam was conducted on November 22, 2017 by Aaron Skinner.

Background:

This right is an upgrade for Well Tag # 0039361 to include irrigation with the already existing domestic well.

System Description:

Groundwater is pulled from a well to irrigation 1.3 acres that include a lawn, garden, and trees/bushes. 2017 Google Earth imagery was used to verify recent irrigation since ArcMap imagery is limited to 2015.

Diversion Rate and Volume:

The permitted rate for this right is 0.06 cfs with an assumed volume limit of 9.0 AF based off the acreage and H.G.R. for the area. The permitted two acres was not fully developed. 1.3 acres will be recommended for licensing. As such, the rate and volume will be adjusted to 0.04 cfs and 5.9 AF respectively and recommended to licensing.

Ownership:

Current Canyon County data was used to verify land ownership and confirms that Jeff and Brenda Morgan are the owners of the 1.3 acres.

Overlap:

An overlap analysis was completed for the POD and POU and did not identify any overlap.

Conditions:

Conditions 004 and 26A were removed and forwarded to licensing. Condition 121 was updated to 103 and forwarded to licensing. Condition R69 was forwarded to licensing.

Workflow

Exam Date Entered ☒
 POU/POD shapes ☒
 Combined Rights Entry ☐
 Wild & Scenic Entry ☐
 Draft License and Map ☒
 FE Database (N: drive) ☒

Supporting Documents

Aerial Photograph ☒ Well Log ☒
 POU/POD Map ☒ Diagrams ☐
 LandSat ☐ Theoretical ☐
 Photographs ☐ Other: ☐
 Site Visit Date: NA

Authentication

Field Examiner's Name: Aaron Skinner Date: 11/22/2017

Reviewer: Angeli M. Skinner Date: 12/22/17

Legend

📍 7464 Zenith Ln



Google earth

© 2017 Google

200 ft



Process	BasinSequence	Draft	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SNWV	SENW	NESW	NWSW	SWSW	SESX	NESE	NWSE	SWSE	SESE	TotalAcres
Water Right	63-31028	N	COHEN, MICHAEL; MAUPIN, FRED; MAUPIN, SHERRY; MUELLER, CYNTHIA	GROUNO WATER																		
Water Right	63-32398	N	COHEN, MICHAEL; MELLIN PROPERTIES LTD PARTNERSHIP; MELLIN, RALPH J.; MUELLER, CYNTHIA; SCHMELZEL, MARIO	GROUND WATER															X			
Water Right	63-33216	N	BENNETT, WILLIAM H; VANDEBERG, GLORIA; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER															X			
Water Right	63-33217	N	BENNETT, WILLIAM H; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; VANDEBERG, GLORIA; WAGNER, ANNE; WAGNER, MICHAEL E	UNNAMED STREAM																		
Water Right	63-33218	N	BERG, GLORIA C; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER							X											
Water Right	63-33219	N	BERG, GLORIA C; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER							X											
Water Right	63-33220	N	CONNECTICUT GENERAL LIFE INSURANCE CO; VANDE BERG, GLORIA C; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER							X											
Water Right	63-33221	N	CONNECTICUT GENERAL LIFE INSURANCE CO; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; VANDE BERG, GLORIA C;	GROUND WATER							X											
Water Right	63-33222	N	BENNETT, WILLIAM H; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER							X											
Water Right	63-33223	N	BENNETT, WILLIAM H; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER										X								
Water Right	63-33770	Y	MORGAN, BRENDA; MORGAN, JEFF	GROUND WATER										X								

						Overlap Analysis for Permit No. 63-33770 POU																		
ID#NO2W3S	Process	BasinSequence	Draft	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SNNW	SENW	NESW	NWSW	SSWS	SESX	NESE	NWSE	SWSE	SESE	TotalAcres	
	Water Right	63-33028	N	COHEN, MICHAEL; MAUPIN, FRED; MAUPIN, SHERRY; MUELLER, CYNTHIA	GROUND WATER	DOMESTIC																		
	Water Right	63-32398	N	COHEN, MICHAEL; MELLIN PROPERTIES LTD PARTNERSHIP; MELLIN, RALPH J.; MUELLER, CYNTHIA; SCHMEIZEL, MARIO	GROUND WATER	IRRIGATION													X					
	Water Right	63-33216	N	BENNETT, WILLIAM H; VANDEBERG, GLORIA; WAGNER, ANNE; WAGNER, MICHAEL E	UNNAMED STREAM	IRRIGATION														2			2	
	Water Right	63-33217	N	BENNETT, WILLIAM H; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; VANDEBERG, GLORIA; WAGNER, ANNE; WAGNER, MICHAEL E	UNNAMED STREAM	IRRIGATION																		
	Water Right	63-33218	N	BERG, GLORIA C; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER	IRRIGATION					0.4												0.4	
	Water Right	63-33219	N	BERG, GLORIA C; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER	IRRIGATION				0.4			35										72.6	
	Water Right	63-33220	N	CONNECTICUT GENERAL LIFE INSURANCE CO; VANDER BERG, GLORIA C; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER	IRRIGATION	29	39.6	40		39.6	32	39.2	40	6.5	6.5							1.6	
	Water Right	63-33221	N	CONNECTICUT GENERAL LIFE INSURANCE CO; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; VANDER BERG, GLORIA C;	GROUND WATER	IRRIGATION				0.4	0.4		0.8										172.4	
	Water Right	63-33222	N	BENNETT, WILLIAM H; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER	IRRIGATION	22	38.6	20		38.6	32	38.2	30	12	20							251.4	
	Water Right	63-33223	N	BENNETT, WILLIAM H; RICHARD M PHILLIPS & STACI PHILLIPS TRUST; WAGNER, ANNE; WAGNER, MICHAEL E	GROUND WATER	IRRIGATION				0.4	0.4												0.8	
	Water Right	63-33770	Y	MORGAN, BRENDA; MORGAN, JEFF	GROUND WATER	IRRIGATION	30	30.6			26.6	31											118.2	
																					1.3		1.3	

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

834148
Office Use Only
Well ID No. 404692
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

1. WELL TAG NO. D 0039361
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____

2. OWNER:
Name Steve Lewis
Address 13290 West Bellflower
City Boise State ID Zip 83713

3. LOCATION OF WELL by legal description:

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

Twp. 5 North ☒ or South ☐
Rge. 2 East ☐ or West ☒
Sec. 35 SW 1/4 NE 1/4 SE 1/4
Gov't Lot _____ County Canyon

Lat: _____ Long: _____
Address of Well Site 7464 Zenith

(Give at least name of road + Distance to Road or Landmark)
City Middleton
Lt. 1 Blk. 1 Sub. Name Blessinger West
Sub.

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
<u>Perma plug</u>	<u>0</u>	<u>19</u>	<u>700 lbs</u>	<u>10' overbore</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 251'

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6</u>	<u>FA</u>	<u>251</u>	<u>250</u>	<u>Steel</u>	☐	☐	☒	☐

Length of Headpipe 5 ft Length of Tailpipe 0

Packer ☒ Y ☐ N Type 3-Rib

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation Johnson Set pull back

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>252</u>	<u>262</u>	<u>20</u>	<u>6</u>	<u>7/8"</u>	<u>Steel</u>	☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

78 ft. below ground Artesian pressure _____ lb.

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

San Seal well cap

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>80</u>		<u>260 ft</u>	<u>3 hrs.</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: good clear color

Depth first Water Encounter 152'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
<u>10</u>	<u>0</u>	<u>2</u>	<u>Top Soil</u>			☒
<u>10 1/2</u>	<u>26</u>	<u>26</u>	<u>Sand & gravel & clay</u>			☒
<u>6</u>	<u>26</u>	<u>84</u>	<u>Sand & gravel</u>			☒
<u>1</u>	<u>84</u>	<u>102</u>	<u>Brn clay</u>			☒
<u>102</u>	<u>102</u>	<u>121</u>	<u>Sandy clay</u>			☒
<u>121</u>	<u>121</u>	<u>133</u>	<u>Brn clay</u>			☒
<u>133</u>	<u>133</u>	<u>141</u>	<u>Sandy clay</u>			☒
<u>141</u>	<u>141</u>	<u>152</u>	<u>Brn clay</u>			☒
<u>152</u>	<u>152</u>	<u>164</u>	<u>Sandy clay (Fractured)</u>	☒		
<u>164</u>	<u>164</u>	<u>172</u>	<u>Brn clay</u>			☒
<u>172</u>	<u>172</u>	<u>191</u>	<u>Sandy clay (Fractured)</u>	☒		
<u>191</u>	<u>191</u>	<u>211</u>	<u>Brn clay</u>			☒
<u>211</u>	<u>211</u>	<u>216</u>	<u>Sand</u>	☒		
<u>216</u>	<u>216</u>	<u>221</u>	<u>Brn clay</u>			☒
<u>221</u>	<u>221</u>	<u>230</u>	<u>Sandy clay</u>	☒		
<u>230</u>	<u>230</u>	<u>241</u>	<u>Brn clay</u>			☒
<u>241</u>	<u>241</u>	<u>246</u>	<u>Sandy clay</u>	☒		
<u>246</u>	<u>246</u>	<u>251</u>	<u>Brn clay</u>			☒
<u>251</u>	<u>251</u>	<u>262</u>	<u>med Sand</u>	☒		

RECEIVED

RECEIVED JUL 12 2005

MAY 06 2013

WATER RESOURCES
WESTERN REGION

WATER RESOURCES
WESTERN REGION

Completed Depth 262 ft. (Measurable)

Date: Started 6/20/05 Completed 6/28/05

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 Precision Well & Pump Firm No. 522

Principal Driller Jeff Pearson Date 7/5/05

and Driller or Operator II _____ Date _____

Operator I _____ Date _____

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

FORWARD WHITE COPY TO WATER RESOURCES