

FIELD EXAM CHECKLIST
 PERMIT # 51-13111 STAFF A. Skinner DATE 9/12/2016
PREPARE LICENSING FILE (Left side)

- ☒ Copy of permit approval & proof report (place on top)
- ☒ Copy of original application for permit
- ☒ Copy of Proof of Beneficial Use Exam fee required \$ 50 Exam fee paid \$ 50
- N/A Copies of any Amendments/Assignments/Ownership Docs

EXAM PREPERATION (Right side)

- ☒ Blank Beneficial Use Field Report form
- ☒ Aerial photo (system diagram map to be completed with permit owner)
- ☒ Well log (attach to field exam)

 Conditions: Measuring device requirements? Not required. Installed? Yes
 Other (supplemental conditions, limits, etc.)? _____

 Overlap: POD? _____
 POU? _____
OwnershipTaxlot / ID SOS match? Yes

If new owner, collect Assignment of Permit form / Ownership Change form in field.

EXAM APPOINTMENTowner or rep phone #? N/AOwner or rep will be present at exam (someone familiar with system)¹?

Exam date/time/place?

If cannot get from web or other references: directions to site? approx driving time from office?

System on/operating normally during exam (not always required)?

SYSTEM INFOPump Diversion

Approx HP?

Owner can provide pump curve?

Pump set or lift?

Approx operating psi?

Approx mainline pipe diameter?

Approx # sprinklers? Nozzle size?

Gravity Flow

Ditch capacity?

Weirs or Flumes installed?

Special Remarks:**POST FIELD EXAM**

- ☒ Exam date data entered
- ☒ Ad Hoc data entry & license shapes
- ☒ Exam file prepared – see N:\WR Field Exams\LicenseFileOrganization
- N/A Licensing amendments required N/A If so, received?
- ☒ Draft license & WR Layout maps OR N/A Void permit

¹ OK to do exam w/o anyone present if owner agrees in advance, provides info so you can find p/d, how system works, how recognize p/u etc. Usually limited to small systems – spring/creek/well for cabins, few acres irrigation, minor stockwater/wildlife/recreation etc.

IN-OFFICE BENEFICIAL USE FIELD REPORT

Permit No: 51-13111

Examiner: A. Skinner

Date: 09/12/2016

In-office qualification (IDAPA 035.01.r): ☐ Irrigation $\leq$ 5 acres
☐ Stockwater storage $\leq$ 14.6 af
☒ Combined diversion rate not irrigation or stock $\leq$ 0.24 cfs

Current Owner Name: Jan Cook and/or Thomas Cook Address: PO Box 588, Bruneau, ID 83604

Beneficial Use Fee Paid: \$50.00 Receipt: C101965

Source: Groundwater 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
06 S	05 E	24														X		

Method of Determination: Legal description in permit validated by PLS data and mapping.

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	
06 S	05 E	24													D	D			

Method of Determination: Legal description in permit validated by PLS data and mapping.

POU change? ☒ N ☐ Y

Purpose of Use: Domestic

Purpose change? ☒ N ☐ Y

Method of Determination: Beneficial Use form states domestic use; confirmed with aerial photography.

Standard Season of Use: 01/01-12/31

Update required on license? ☒ N ☐ YOverlap Review POD overlap? ☒ N ☐ Y WR's:Analysis Attached ☒ Comments: Place of Use Comparison software indicates no POD overlap.POU overlap? ☐ N ☒ Y WR's: 51-10101, 51-10024, and 51-10023

Comments: A few domestic WR diversions were found in the QQ. No information is available to identify overlap for an in-office review.

Diversion Rate Permitted Rate: 0.16 cfs BU Standard Limit: 0.16 cfs
 BU Fee Limit: 0.20 cfs Theoretical (optional): cfs
Recommended Total Div Rate: 0.16 cfs

Annual Volume

For Irrigation: cfs x 1.9835 x days = af
 acres x af/ac (FHR) = af
 Smaller of two volumes = af

For other uses:

Identified conditions state that domestic use authorized under the WR shall not exceed 13,000 gallons per day per home

IN-OFFICE BENEFICIAL USE FIELD REPORT

Recommended Amounts

Beneficial Use	Season of Use	Diversion Rate (cfs)	Annual Volume (af)
Domestic	01/01-12/31	0.16	

Totals

0.16 cfs

af

Amendments Required☐ Change P.D.☐ Add P.D☒ None☐ Change P.U.☐ Add P.U.☐ Other:**Conditions:**

Condition 1 (046) was removed as the right holder obtained a drilling permit at construction. Conditions 2 (004), 3 (X04), 4 (071), 5 (070), and 6 (121) will be forwarded to licensing.

Have conditions of permit been met? ☒ Y ☐ N**Narrative:**

Permit 51-13111 was filed in an effort to bring an existing well drilled as an exempt well into State law complicity. The exempt well was used to connect additional homes to the system without a permit/license. The permit is to authorize a diversion rate of 0.16 cfs from groundwater for domestic use purposes. Based on the small permitted diversion rate and POU, this qualifies for an in-office field exam as stated under IDAPA 37.03.02.035.01r. The exam was completed on September 12, 2016 by WRA Aaron Skinner.

Legal descriptions identified on the permit were used to locate the property in the name of Jan and/or Thomas Cook. County taxlot data confirms and matches the current owner of the water right permit. Permit 51-13111 is requesting domestic use for four (4) homes (Cook, Chafe, Vandersnick, and Esson). A Well Agreement and a Contact for Deed in the backfile explains Well and Well lot ownership. Aerial photography (GIS) was used to verify the well and the four (4) home sites as noted in the application. Overlap review using IDWR software (Place of Use Comparison) show potential overlap of POU from WR 51-10101, 51-10024, 51-10023, 51-10271, 51-10350, 51-10351, 51-12991, 51-2, 51-3, 51-5, 51-7109. WR 51-10101 is owned by Donald and Carol Collins who, according to taxlot data, have property south of the four (4) homes and do not overlap. WR 51-10023 and 51-10024 are groundwater domestic and stockwater rights. The current owner of the property the well sits on is Antonio Aquiso and is in the southwest section of QQ NWSE. Therefore, does not overlap with the POU. The Bruneau Water and Sewer District and the Bruneau Buckaroo Coop Ditch Co (51-10271, 51-10350, 51-10351, 51-12991, 51-2, 51-3, 51-5, 51-7109) also reveal potential overlap, but do not reach the four (4) homes and associated properties. There was no overlap for the POD.

Administrator's Memorandum 22 establishes a combined (all four homes) maximum acceptable internal/in-house use diversion rate of 0.10 cfs. Because this permit also allows for external/lawn irrigation, another 0.06 cfs should be added to the internal/in-house rate ((0.5 ac/home x 4 homes) x 0.03 cfs/ac is 0.06 cfs for a total of 0.16 cfs). As a result, it is recommended that WR permit 51-13111 be licensed for 0.16 cfs.

Condition 1 (046) was removed as the right holder obtained a drilling permit at well construction. Condition 6 (121) was changed to 103 and forwarded for licensing per Western Region policy. Conditions 2 (004), 3 (X04), 4 (071), and 5 (070) will be forwarded to licensing.

Workflow

Exam Date Entered ☒
 POU/POD shapes ☒
 Combined Rights Entry ☐
 Wild & Scenic Entry ☐
 Draft License and Map ☒
 Other:

Supporting Documents

Aerial Photograph ☒ Well Log ☒
 Photographs ☐ Diagrams ☐
 LandSat ☐ Theoretical ☐
 Other:
 Site Visit ☐ Date:

Water Right POU/POD for Permit 51-13111

SWNE

SENE

24

06 S03E

Cowhee

NWSE

NESE

Legend

-  POU
-  Permitted POD

0 125 250 500 Feet

Form 2387
8/83

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WATER RESOURCES
WESTERN REGION

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

SHEET 1 OF 2 66516

Use Typewriter

or
Ball Point Pen

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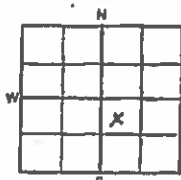
819886

1. DRILLING PERMIT NO. 51-97-W-0003-000
Other IDWR No. _____

2. OWNER:

Name DAVID E. & JOYCE D. OWENAddress HC 87, Box 272City PINE State ID Zip 83647

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

T. 65 North ☐ or South ☒
 E. 58 East ☒ or West ☐
 Sec. 24 1/4 NW 1/4 SE 1/4
 Gov't Lot _____ County Douglas

Address of Well Site BELLE AVEBullman
(Give at least Direction - Distance to Road or Landmark)Lot No. 16 Block No. _____ Subd. Name BRUNEY HEIGHTS

4. PROPOSED USE:

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

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☐ Air Rotary ☒ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT Sacks or Pounds	METHOD
Material	From	To		
BENTONITE	0	18	75 SACKS	OVERBURD BY
" "	18	93.2		TEMP. SURF.
" "				CASING + SLURRY
				PIT MAKEUP

 Was drive shoe seal tested? Y/N NO How? BAILED HOLE DRY
WHEN @ SHOE DEPTH

8. CASING/LINER:

Diameter	From	To	Gauge	Casing	Liner	Steel	Plastic	Welded	Threaded
6 5/8	12.66	93.22	0.35	✓		☒	☐	☐	☐
4.75	-8.9	576.6	0.19	✓		☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes 93.22Top Packer or Headpipe 8.9 FT Bottom Tailpipe 537.1

9. PERFORATIONS/SCREENS

☒ Perforations Method SAWED CIRCUMFERENTIAL
☐ Screens Type HORIZ. Material PVC
2 ROWS, 4 ROUNDS/FT

From	To	Slot Size	Number	Diameter	Temp. Pipe Size	Casing	Liner
77.1	537.1	3/32	3542	4.95 o.d.		☐	☒
						☐	☐
						☐	☐

10. WELL TESTS:

☐ Pump ☐ Bailer Department of Water Resources

Yield gal/min.	Drawdown	Pumping Depth	Time
15	38 FT	122 (BH=57)	1.5 HRS
40.6	91.2 FT	104 (BH=70)	1.0 HR
38.7	106 FT	179 (BH=70)	10 HR

 Temperature of water 72°F Was a water analysis done? Yes ☐ No ☒
 By whom? _____
Water Quality (odor, etc.) GOOD, NO SMELLBottom Hole Temperature 72°F (BH @ 57) 74°F (BH @ 70)

11. STATIC WATER LEVEL:

72.8 ft. below surface Depth artesian flow found _____
Artesian pressure _____ lb. Describe access port 4.57" BPDescribe Controlling Devices: NONE REMOVING WELL CAP

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	WATER?
8	0	18		
6	18	57.4		
4	57.4	70.7		
	0	2	SOIL, SANDY, VERY FINE, TAN	✓
	2	10	SAND GRAVEL, SILTY TAN	✓
	10	13.4	SAND, FINE TAN	✓
	13.4	17	GRAVEL, SILTY, W/ VERY FINE SAND	✓
	17	21	CLAY TAN	✓
	21	22	SAND, COARSE TO FINE TAN	✓
	22	27	SAND, VERY FINE W/ SILT TAN	✓
	27	32	GRAVEL TAN	✓
	32	37	SAND & SILTS, THIN ALTERNATING LAYERS TAN	✓
	37	38	GRAVEL TAN	✓
	38	40	SAND, VERY FINE, SILTY BROWN	✓
	40	41	GRAVEL TAN	✓
	41	55.5	SAND & SILTS, THIN ALTERNATING LAYERS TAN	✓
	55.5	59	GRAVEL TAN	✓
	59	61	GRAVEL. PIPE AT 60.5 STOPPED	✓
	61	61	GOING FOR A FEW DAYS TAN	✓
	61	61	(ROCK, BOULDER? CEMENTED GRAVEL?)	✓
	61	70	GRAVEL. PIPE @ 60.5 STOPPED	✓
	70	89	CLAY, TAN SHARK INTO GREY	✓
	89	89	SAND VERY RUSTY ORANGE	✓
	89	125	CLAY, W/ INTERD. GRAVEL COBBLE GREY	✓

Date Started APRIL 1, 1997 Completed _____

13. DRILLER'S CERTIFICATION

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

Firm Name See pg. 2 Firm No. _____

Firm Official _____ Date _____

and Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

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IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUse Typewriter
or
Ball Point Pen

SHEET 2 OF 2

66517

1. DRILLING PERMIT NO. 51-27-W-0003-000

Other IDWR No. _____

2. OWNER:

Name DAVID E. & JOYCE D. OWEN

Address _____

City _____ State _____ Zip _____

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		T. <u>6</u>		North ☐	or	South ☒
W		E.R. <u>5</u>		East ☒	or	West ☐
S		Sec. <u>24</u>		Gov't Lot _____ County _____		

10 acres 1/4 40 acres 1/4 160 acres 1/4

Address of Well Site _____

(Give at least Direction + Distance to Road or Landmark)

Lot No. _____ Block No. _____ Subd. Name _____

4. PROPOSED USE:

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

5. TYPE OF WORK

- ☐
- New Well
- ☐
- Modify or Repair
- ☐
- Replacement
- ☐
- Abandonment

6. DRILL METHOD

- ☐
- Mud Rotary
- ☐
- Air Rotary
- ☐
- Cable
- ☐
- Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		

Was drive shoe seal tested? ☐ Yes ☒ No How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Casting	Uner	Steel	Plastic	Welded	Threaded
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes _____

Top Packer or Headpipe _____ Bottom Tailpipe _____

9. PERFORATIONS/SCREENS

- ☐
- Perforations Method _____
-
- ☐
- Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tube/Pipe Size	Casting	Uner
						☐	☐
						☐	☐
						☐	☐

10. WELL TESTS:

- ☐
- Pump
- ☐
- Baller
- ☐
- Ar
- ☐
- Flowing Artesian

Yield gal/min	Drawdown	Pumping Depth	Time

Temperature of water _____ Was a water analysis done? Yes ☐ No ☐

By whom? _____

Water Quality (odor, etc.) _____

Bottom Hole Temperature _____

11. STATIC WATER LEVEL:

_____ ft. below surface Depth artesian flow found _____

Artesian pressure _____ lb. Describe access port _____

Describe Controlling Devices: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	WATER?
	125	176	CLAY, SAND LAYER INTERBEDDED	✓
			ALL VERY FINE GRAINED GRAY	✓
	176	378	CLAY, SANDS INTERBEDDED	✓
			HIGHER PERCENTAGE SAND GRAY	✓
	378	378	SANDSTONE, HARD GRAY	✓
	378	440	CLAY GRAY	✓
	440	497	CLAYS, SANDS INTERBEDDED GRAY	✓
			HIGHER PERCENTAGE SAND	✓
	497	545	CLAY GRAY	✓
	545	574	SAND & SILT, MOSTLY SAND, GRAY	✓
			VERY FINE, SQUEEZES	✓
	574	585	CLAY & THIN SAND LAYERS	✓
	585	598	CLAY GRAY	✓
	598	634	CLAY & THIN SAND LAYERS GRAY	✓
	634	648	CLAY GRAY	✓
	648	650	SAND GRAY	✓
	650	650.5	CLAY, VERY STICKY GRAY	✓
	650.5	662	CLAY & THIN SAND LAYERS GRAY	✓
	662	707	CLAY GRAY	✓

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JUL 22 1997 JUL 21 1997
Idaho Department of Water Resources
WESTERN REGION
Date Started _____ Completed JULY 7, 1997

13. DRILLER'S CERTIFICATION

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

Firm Name AETESIAN Co.Firm No 318Firm Official HUGH HARDENDate 18 JULY 1997

and

Supervisor or Operator Hugh HardenDate 18 JULY 1997

(Sign once if Firm Official & Operator)

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