

TRUST WATER REVIEW CHECKLISTAPPLICATION # 61-12274 (Jeffrey)

- For consumptive use applications.
- Irrigation from Snake River or springs directly tributary to river is not approvable¹ : do not use checklist, send "trust water not approvable" letter.
- Approvable applications include uses that deplete Snake River flows ≤ 2 af/day at the Murphy Gauge below Swan Falls. Complete the checklist.

For Questions 1, 2 & 3:

- Yes or No = use in that question is proposed & does/does not fit.
- N/A = use in that question is not proposed.

	YES	NO	N/A
1) IRRIGATION: ≤ 200 acre from source other than Snake River or springs directly tributary to Snake River? <u>Groundwater</u>	<u>✓</u>	_____	_____
2) DCMI: ≤ 1.0 cfs (yields 2 af/day maximum so ok)?	_____	_____	<u>✓</u>
3) OTHER CONSUMPTIVE USES: application shows Ok to treat same as #1 or #2?	_____	_____	<u>✓</u>
4) If #1 or #2 = No: application confirms ≤ 2 af/day depletion at Murphy Gauge?	_____	_____	<u>✓</u>
If #3 = No: staff consultation confirms ok to process?	_____	_____	

RESULTSAll YES or N/A

CONTINUE PROCESSING, TRUST WATER OK

#1, #2 or #3 = NO:

& #4 = YES

CONTINUE PROCESSING, TRUST WATER OK

& #4 = NO

STOP PROCESSING, SEND "TRUST WATER DELAY" LETTER

¹ Water Appropriation Rule 45.03.k.

IDAHO DEPARTMENT OF WATER RESOURCES
Water Application Report 61-12274

WATER RIGHT NUMBER: 61-12274

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	LOUIS D JEFFREY 2050 E MEDICINE WHEEL LN KING HILL, ID 83633 (208) 336-3001

Priority Date: 06/12/2012

Basis:

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	03/01	to 11/15	0.060 CFS	
STOCKWATER	01/01	to 12/31	0.020 CFS	
WILDLIFE	01/01	to 12/31	0.060 CFS	
	<u>Total Diversion:</u>		0.060 CFS	

Location of Point(s) of Diversion

GROUND WATER	NW1/4SW1/4	Sec. 33, Twp 05S, Rge 10E, B.M.
ELMORE County		

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05S	10E	33									1.0	1.0							2.0

Total Acres: 2

STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05S	10E	33									X	X							

WILDLIFE

Twp	Rge	Sec	NE	NW	SW	SE

IDAHO DEPARTMENT OF WATER RESOURCES

Water Application Report 61-12274

05S	10E	33	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
											X	X							

Conditions of Approval:

Remarks:

Comments:

1. jwestra 7/9/2012 Comment/Analysis
 Comment: Although the map PU boundary does include the NESW, continue to include it per conversation with applicatnt.
 Domestic Well proposed as P/D Tag #D0060383.
 Trust Water location-- meets test criteria to process
 Application the result of a complaint received.

Water Supply Bank:

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

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1. WELL TAG NO. D 0060383

Drilling Permit No. 914097-862727

Water right or injection well #

2. OWNER:

Name Louis D. Jeffrey

Address 2050 Medicine Wheel Lane

City King Hill State ID Zip 83633

3. WELL LOCATION:

Twp. 5S North ☐ or South ☒ Rge. 10E East ☒ or West ☐

Sec. 33 SE 1/4 NW 1/4 SW 1/4

Gov't Lot County Elmore

Lat. N42 56.5922' (Deg and Decimal minutes)

Long. W115 16.8389' (Deg and Decimal minutes)

Address of Well Site 0.45 mile past Medicine Wheel Lane on
Rosevear Rd, Left side City King Hill

(Give at least name of road + direction to road or landmark)

Lot. Blk. Sub. Name

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)	Placement method/procedure
#8 granular Bent	0	56.0	1450 lb	Pour in dry annulus

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
8 5/8"	+2.1	56.0	0.322	Steel	☐	☐	☒
					☐	☐	☐
					☐	☐	☐
					☐	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 56.02 ft

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N MethodManufactured screen ☐ Y ☒ N Type

Method of Installation

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe Length of Tailpipe

Packer ☐ Y ☒ N Type

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method

11. FLOWING ARTESIAN:

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

Describe control device

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 64 Static water level (ft) 44

Water temp. (°F) 72-76 w/time Bottom hole temp. (°F) 83

Describe access port Remove 8 inch Well Cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
230	4.7	240	☒	☐	☐	☐
		240 & 240	☒	☐	☐	☐

Water quality test or comments:

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
10	0	56	Grey Clay		X
8	56	738	Very Fine grained Grey Sediments	X	X
8	56	64	Grey Clay		X
	64	66	Very fine silty Sand 4 gal/hour	X	
	66	180	Grey Clay		X
	180	180+	Sand Streak	X	
	180+	195	Grey Clay w/very thin sand stringers	X	X
	195	198	Grey Clay, Very Sticky		X
	198	198+	Sand Streak	X	
	198+	227	Grey Clay w/very thin sand stringers	X	X
	227	228	Hard Shale		X
	228	338	Grey Clay w/very thin sand stringers	X	X
	338	340	Very fine silty Sand	X	
	340	343	Grey Clay, Very Sticky		X
	343	351	Grey Clay		X
	351	355	Clayey Sandstone	X	
	355	396	Grey Clay w/very thin sand stringers	X	X
	396	402	Grey Clay, Very Sticky		X
	402	403.5	Clayey Sandstone	X	
	403.5	461	Layers of Hard Grey Clay & Sticky		X
	461	463	Fine Silty Sand	X	
	463	521	Grey Clay		X
	521	522	Hard Shale		X
	522	526	Sand & Clay Layers	X	X
	526	527	Hard Sandstone	X	
	527	538	Grey Clay w/very thin sand stringers	X	X
	538	539	Hard Sandstone	X	
	539	556	Hard Grey Clay		X
	556	565	Black Sandstone	X	
	565	579	Black Clay		X
	579	690	Hard Grey Clay, Sticky		X
	690	710	Grey Clay w/very thin sand stringers	X	X

Completed Depth (Measurable): 738 ft

Date Started: December 27, 2011

Date Completed: April 17, 2012

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 Artesian Co.

Co No 318

*Principal Driller Hugh Harden

Date 4/18/2012

*Driller Hugh Harden

Date 4/18/2012

*Operator II HUGH HARDEN

Date 4/18/2012

Operator I

Date

* Signature of Principal Driller and rig operator are required.

RECEIVED

APR 20 2012

WATER RESOURCES

* Signature of Principal Driller and rig operator are required

RECEIVED

MAY 04 2012

WATER RESOURCES
WESTERN REGION

Associated Drilling Permit Tag No. D0060383

Water Right No. (if applicable) _____

**REQUEST FOR ISSUANCE OF A DOMESTIC DRILLING PERMIT
ALLOWING A PRODUCTION CASING SIZE EXCEEDING SIX (6) INCHES**

Louis D. Jeffrey will be the Well Owner and requests approval of a Drilling Permit for "domestic" purposes. If approved, the associated drilling permit authorizes construction of a well with production casing size exceeding six (6) inches in diameter. Domestic use is defined by Section 42-111, Idaho Code.

"Domestic purposes" or "domestic use" means:

- A. *The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to one-half (1/2) acre of land, if the total use is not in excess of thirteen thousand (13,000) gallons per day, or*
- B. *Any other uses, if the total use does not exceed a diversion rate of four one-hundredths (0.04) cubic feet per second and a diversion volume of twenty-five hundred (2,500) gallons per day.*

Domestic purposes or domestic use does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use meets the diversion rate and volume limitations set forth in subsection B above.

This request is made for the construction of a Eight inch diameter well for the following reason(s):

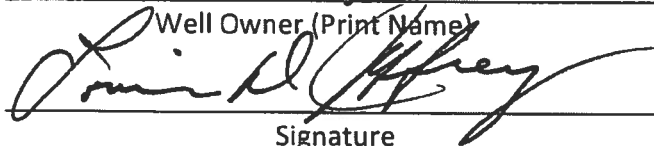
- ☒ A larger casing diameter is necessary due to the limited productivity of water bearing formations expected to be encountered.
- ☐ The pump or diverting works to be installed requires a larger production casing diameter.
- ☒ Other: If aquifer sands are encountered of sufficient thickness to require casing, then Six inch casing can be installed.
Otherwise an Eight inch diameter well is requested for the added storage volume.

I attest that I will be the owner of the well as I own the property on which the well is to be constructed and will be responsible for the lawful use and maintenance of this well.

I understand that use of this well for any purpose other than "domestic" may constitute a violation of both State Law and Administrative Rules.

Louis D. Jeffrey

Well Owner (Print Name)


Signature

3 / May / 2012
Date