

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 15-7397

Exam Date: 7/30/2014

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? XY N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: < Kirk Corbridge >
 Owner of Record Correct? X Y N
 Address of Record Correct? X Y N
 If No: Address < >
 < >
 < >

3. Fees have been paid: X Y N Receipt No: C093042

4. SOURCETRIBUTARY

Groundwater

Method of Determination: Meeting with permit holder.

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: X NONE

Water Right No.	Source	Purpose of Use	Basis

Comments: Various irrigation rights cover the POU, but no other stockwater rights.

2. Other water rights with the same point of diversion: X NONE

Water Right No.	Source	Purpose of Use	Basis

Comments: < >

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater			NE	NE	09	14S	36E	B.M.	ONEIDA
								B.M.	
								B.M.	

Method of Determination: Meeting with appropriator, and ArcMap. A well log for a domestic-exempt well in the same QQ in the name of the permit holder corroborates his statements.

Change in POD? Y X N Amendment Required? Y X N

2. **PLACE OF USE:** Use: Stockwater – 600 range cattle

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
14S	36E	9	X																
		Lot #																	
Total Acres =																			

Method of Determination: Meeting with appropriator.

Change in POU? ____Y__X__N Amendment Required? ____Y__X__N

3. ____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

____ Aerial Photo Attached (required for irrigation of 10+ acres).

____ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

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

2. Measurements: < _____ >

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Per App. Processing Memo #3,600 range cattle, 0.14 cfs

See theoretical Sheet: A 1 horse power pump, as reported by permit-holder during examination, can pump 0.04 cfs assuming 70% efficiency, a lift of 170 feet (as noted in the well log as depth of first water encounter), and 0 psi into a trough.

License recommend for 0.04 cfs.

F. VOLUME CALCULATIONS

Processing memo # 3 recommends 8.1 AF for 600 cattle.

G. PURPOSE OF USEIrrigation ☐Y ☒N# Stock **600 beef cattle**Change in Purpose of Use? ☐Y ☒N

Method of Determination: Meeting with appropriator

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

This right was split from 15-7195 at licensing. The two systems are not interconnected.

Have conditions of permit approval been met? ☒Yes ☐No**I. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Stockwater	01/01 – 12/31	0.04 CFS	8.1 AF
	<u>Totals:</u>	0.04 CFS	8.1 AF

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

Other: < >

J. AUTHENTICATION

Field Examiner's Name _____ Cooper Fritz _____ Date _____ 9/30/2015 _____

Reviewer _____ Date _____

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 15-7397
 Examiner: Cooper Fritz
 Date of Field Exam: 7/30/2014

Option 1

P/D No.:

PUMP HORSEPOWER	1
BOOSTER HORSEPOWER	0
PUMPING LEVEL	170
DISCHARGE PRESSURE	0
FRICTION	0
RATE OF FLOW (cfs)	0.04
(gpm)	16.3

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: 70 efficiency.

Examiners Notes:

Lift was taken from well log. Hp was found during site visit. A standard psi for domestic use of 40 to 60 psi was used to estimate the pressure against the pump.

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Inspected by _____			
Twp _____	Rge _____	Sec _____	
1/4 _____		1/4 _____	
Lat: _____		Long: _____	
☐ Air ☐ Flowing Artesian			

1. WELL TAG NO. D 14804
 DRILLING PERMIT NO. 768146
 Other IDWR No. _____

2. OWNER:
 Name Kirk Corbridge
 Address 2390 N. 100 W.
 City Malad State Id Zip 83252

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. <u>14</u>		North ☐ or South ☒	
Rge. <u>36</u>		East ☒ or West ☐			
Sec. <u>9</u>		1/4 <u>NE</u> 1/4 <u>NE</u> 1/4			
Gov't Lot _____		10 acre _____ 40 acre _____ 160 acre _____			
Lat: _____		Long: _____			
Address of Well Site <u>200 W. 900 N.</u>		City <u>Malad</u>			

(Give at least name of road + Distance to Road or Landmark)

Li. _____ 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/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
Bentonite Chips	0	19	600/lbs	overbore.	

Was drive shoe used? ☒ N Shoe Depth(s) 179 + 380

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8	+1	179	1250	Steel	☒	☐	☒	☐
6	+20	380	"	"	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations _____ Method Down Hole
 Screens _____ Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
350	370	3/8 x 1/2	480			☒	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☐ Pump ☐ Bailor

Yield gal./min.	Drawdown	Pumping Level	Time
15 to 20		360	3 hrs.

Water Temp. 51° Bottom hole temp. 51°

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12 1/4	0	2	overburden		X
"	2	19	Gravel		
7 7/8	19	25	"		
"	25	45	" + Sand		
"	45	53	clay "		
"	53	56	" Bk.		
"	56	76	" + Sand		
"	76	86	Sand + Gravel		
"	86	105	" + clay		
"	105	110	" + Gravel		
"	110	130	" " "		
"	130	170	BROKEN QTZ.	X	
"	170	179	" "		X
"	179	217	" QTZ. w/ hard strings		
"	217	330	SANDSTONE		
"	330	346	Brn. clay		
"	346	355	SANDSTONE		
"	355	372	BROKEN QTZ.	X	
"	372	380	SANDSTONE		X
6"	380	400	" "		X

RECEIVED

RECEIVED

MAR 22 2001

MAR 22 2001

Department of Water Resources

Completed Depth 400 (Measurable)
 Date Started 3-7-01 Completed 3-16-01

13. DRILLER'S CERTIFICATION

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

Company Name Nelson Drilling Inc. Firm No. 215

Firm Official all good Date 3-20-01

and Driller or Operator all good Date 3-20-01

(Sign once if Firm Official & Operator)

15-7397 POD and POU



2013 Imagery

Legend

-  Water Right POD
-  Water Right POU
-  Township/Range
-  Sections
-  QQ

