

7/2012

IN-OFFICE BENEFICIAL USE EXAM REPORT

Permit No. 63-33649 Prepared by NVD Date 10/16/14

Same as permit

Different than permit

Owner Name	☒	☐	_____
Owner Address	☒	☐	_____
Source	☒	☐	_____
Tributary	☒	☐	_____
POD	☒	☐	_____
POU	☒	☐	_____
Beneficial Use(s)	☒	☐	_____

Exam Fee Required for Permitted Rate \$ 50

Exam Fee Paid \$ 50

Overlaps ☐ Yes ☒ No

Technical Confirmation Tools

ArcMap (Bing) ☒

Photo ☒

Taxlot ☒

Well Log ☒

Govt Agency Records

GPS ☐

Photos ☐

Diagrams ☐

Other ☐ explain: _____

Conditions/Comments Permitted as domestic/irrigation/aesthetic
uses. Only domestic developed at this time.

Exam Date Entered X

Draft License Created _____

Shapes Updated X



New Well

GROUNDWATER THEORETICAL ANALYSIS

FILE: 63-33649

DATE: 10/14/14

BY: NVD

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (HP) \times (EFF.))}{TDH}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$$Q = \frac{(8.8) \times (0.75) \times (0.70)}{[(25) + (40 \times 2.31)]} = 0.04 \text{ cfs}$$

LIFT FROM:

Measurement ()

Owner ()

Area estimate ()

Well Logs ()

PSI FROM:

Measurement ()

Owner ()

Estimate ()

Owner Gage ()

Booster (Y) (N)

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

REMARKS: 3/4 hp pump, static water level
15' per well log, 25' used as depth value
per theoretical dynamic pumping level diagram,
40 psi for domestic system used.

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New Well

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D0064327
Drilling Permit No. 912012-8117
Water right or injection well # 63-33649

2. OWNER:
Name John McCain
Address P.O. Box 1623
City Nampa State Idaho Zip 83651

3. WELL LOCATION:
Twp. 3 North ☒ or South ☐ Rge. 3 East ☐ or West ☒
Sec. 12 1/4 SW 1/4 SE 1/4

Gov't Lot _____ County Canyon
Lat. 43 36.406'N (Deg. and Decimal minutes)
Long. 116 33.454'W (Deg. and Decimal minutes)
Address of Well Site 12410 Karcher Rd.
City Nampa

(Give at least name of road + Distance 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 _____

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
3/4" Bentonite	-7	38	1000 lbs.	10" Overbore
#5 Bentonite	0	7	250 lbs.	10" Overbore

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
6"	2	81	.250	Steel	☒	☐	☐	☒
5"	75	88	.258	Steel	☐	☒	☐	☒
5"	97	98	.258	Steel	☐	☒	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 81'

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method _____
Manufactured screen ☒ Y ☐ N Type Johnson
Method of installation Washdown

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
88	97	.015	9'	5"	Stainless	304

Length of Headpipe 12.5 Length of Tailpipe 10"
Packer ☒ Y ☐ N Type Rubber K-Packer

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
N/A				

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) _____ Static water level (ft) 15'
Water temp. (°F) _____ Bottom hole temp. (°F) _____
Describe access port _____

Well test:			Test method:			
Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
90'	30 GPM	1 HR.	☐	☐	☒	☐
32'	41 GPM	24 HRS.	☒	☐	☐	☐

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	1	Gravel		X
	1	8	Hard Pan		X
	8	34	Coarse Sand w/ Clay	X	
	34	38	Sand	X	
6"	38	40	Sand	X	
	40	65	Sandy Clay		X
	65	66	Clay		X
	66	76	Gravel	X	
	76	87	Clay		X
	87	97	Sand	X	
	97	98	Clay		X
</					

RECEIVED

APR 10 2013

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 98'
Date Started Apr 1, 2013 Date Completed: Apr 2, 2013

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 Dennis Phipps Well Drilling Inc Co. No. 332
*Principal Driller [Signature] Date Apr 2, 2013
*Driller _____ Date _____
*Operator II [Signature] Date Apr 2, 2013
Operator I _____ Date _____
* Signature of Principal Driller and rig operator are required.

Old Well

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$Q = \frac{(8.8) \times (0.75) \times (0.70)}{[(25) + (55 \times 2.31)]} = 0.03$

<u>LIFT FROM:</u>	<u>PSI FROM:</u>	<u>NOTES ON PUMP:</u>
Measurement ()	Measurement ()	Motor Make, Serial or ID
Owner ()	Owner ()	
Area estimate ()	Estimate ()	Pump Make, Serial or ID, rating
Well Logs ()	Owner Gage ()	
Booster (Y) (N)		

REMARKS: Well log not available. Permit holder
estimated static water level about the same as
new well. Given there 2 wells less than 100'
apart, seemed reasonable. Well normally runs
50-60 psi.