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AUG 08 2017

Form 238-7

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

IDWR / NORTH

1. WELL TAG NO.

DOO73497

DRILLING PERMIT NO.

Water Right or Injection Well#

2. OWNER:

Name: Nate Wilson

Address: 708 South Jefferson

City: Moscow State: Idaho Zip: 83843

3. LOCATION OF WELL by legal description:

Twp. 39N Rge. 5W
Sec. 1 1/4 S/W 1/4 N/W 1/4
10 acres 40 acres 160 acres

Gov't Lot County Latah

Lat. 46 45 186 Deg. And Decimal min.

Long. 116 54 918 Deg. And Decimal min.

Address of well site:

City: Darby Rd. and Gold Road, Moscow

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Injection

5. TYPE OF WORK:

☒ New Well ☐ Replacement ☐ Modify existing ☐ Abandonment ☐ Other

6. DRILL METHOD: Air Rotary

7. SEALING PROCEDURES:

Seal Material	From	To (ft)	Quantity (lbs. or ft.)	Placement method/procedure
Bentonite	0	38	950	Pour

8. CASING/LINER:

Diameter	From	To	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded	Other
6"	+2	98	250	Steel	X			X	
4"	-5	500	Sch 40	PVC		X			X

Was drive shoe used? yes Shoe Depth 98'

9. PERFORATIONS/SCREENS

Perforations ☒ Yes ☐ No Method Torch, Skill Saw
Manufactured screen ☐ Yes ☒ No Type 1/8 X 6"

Method of installation:

From	To	Slot Size	Number	Diam.	Material	Gauge or Schedule
88	50	1/8	25	6"	Steel	250
480	460	1/8	20	4"	PVC	Sch. 40
440	420	1/8	20	4"	PVC	Sch. 40
400	380	1/8	20	4"	PVC	Sch. 40

Packer ☐ Yes ☒ No Type:

10. FILTER PACK

Filter Material	From	To	HL/Volume	Placement Method
NONE				

11. FLOWING ARTESIAN:

Flowing artesian ☐ Yes ☒ No Artesian Pressure (PSIG) _____
Describe control device: CAP

12. STATIC WATER LEVEL AND WELL TESTS:

Depth first water encountered (ft) 50 Static water level: 24

Water temp. 50 degrees Bottom hole temp. _____

Describe access port: CAP

Well Test:

Test Method:

Drawdown (feet)	Discharge or yield	Test Duration	Pump	Stop	Alt.	Flowing Artesian
Est. 4-5gpm	2 hrs		☐	☐	☒	☐

Water quality test or comments:

Good, clear, no odor

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia.	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment	Water	
				Y	N
10	0	2	Top Soil		
	2	5	dark brown clay		
	5	21	brown clay		
	21	28	tan, sandy clay		
	28	33	tan clay		
	33	45	soft brown granite		
8	45	78	medium brn. Granite	X	
	78	83	hard gray & brown granite		
	83	140	hard gray/white quartz/granite		
6	140	167	medium hard gray granite		
	167	238	hard black and white quartz		
	238	295	medium hard gray & black granite		
	295	335	hard gray & black granite		
	335	352	medium hard brown granite		
	352	385	hard gray granite		
	385	415	medium hard gray quartz	X	
	415	440	hard gray granite		
	440	480	medium hard gray granite		
	480	500	hard gray granite		
Completed Depth (Measurable): 500					
Date Started: 7/18/2017			Date Completed: 7/22/2017		

14. DRILLER'S CERTIFICATION:

Company Name: All Ways Drilling, Inc. Co. No. 510

Principal Driller Stanley K Wolfe Date 8/4/17

Driller Stanley K Wolfe Date 8/4/17

Operator II _____ Date _____

*Signature of Principal Driller and rig operator are required

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JUL 17 2017

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IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO.

DRILLING PERMIT NO.

Water Right or Injection Well#

2. OWNER:

Name:

John and Brenda Carnahan

Address:

5112 Robinson Park Road

City:

Moscow

State:

Idaho

Zip

83843

3. LOCATION OF WELL by legal description:

Twp.

39N

Rge.

5W

Sec.

1

1/4

S/W

#

N/W

1/4

10 acres

40 acres

160 acres

Gov't Lot

County

Latah

Lat.

46

0

45

150

Deg. And Decimal min.

Long.

116

0

54

965

Deg. And Decimal min.

Address of well site:

City: Darby and Gold Rd., Moscow

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Injection

5. TYPE OF WORK:

☒ New Well ☐ Replacement ☐ Modify existing ☐ Abandonment ☐ Other

6. DRILL METHOD:

Air Rotary

7. SEALING PROCEDURES:

Seal Material	From	To (ft)	Quantity (lbs. or ft.)	Placement method/procedure
Bentonite	0	38	900	Pour

8. CASING/LINER:

Diameter	From	To	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded	Glued
6"	+2	99	250	Steel	X			X	
4"	-10	650	Sch 40	PVC		X			X

Was drive shoe used?

yes

Shoe Depth

99

9. PERFORATIONS/SCREENS

Perforations ☒ Yes ☐ No Method **Skill Saw**

Manufactured screen ☐ Yes ☒ No Type **1/8 X 6"**

Method of Installation:

From	To	Slot Size	Number	Diam.	Material	Gauge or Schedule
630	610	1/8	20	4"	PVC	Sch. 40
570	550	1/8	20	4"	PVC	Sch. 40
490	470	1/8	20	4"	PVC	Sch. 40

Length of Headpipe

Length of tailpipe:

Packer

☐ Yes☒ No

Type:

10. FILTER PACK

Filter Material	From	To	WL/Volume	Placement Method
NONE				

11. FLOWING ARTESIAN:

Flowing artesian

☐ Yes☒ No

Artesian Pressure (PSIG)

Describe control device:

CAP

12. STATIC WATER LEVEL AND WELL TESTS:

Depth first water encountered (ft) **175** Static water level: **19'**

Water temp.

50 degrees

Bottom hole temp.

Describe access port:

CAP

Well Test:

Test Method:

Drawdown (feet)	Discharge or yield	Test Duration	Pump	Ball	Air	Flowing Artesian
1.6		4 hrs	☒	☐	☐	☐

Water quality test or comments:

Good, clear, no odor

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia.	From (ft.)	To (ft.)	Remarks, lithology or description of repairs or abandonment	Water	
				Y	N
10	0	1	Top Soil		
	1	20	Brown Clay		
	20	30	Light Brown Clay		
	30	54	Gray Silty Clay		
8	54	73	Gray Clay		
	73	80	soft brown granite		
	80	85	Medium hard brown & gray granite		
	85	130	hard black and gray granite		
6	130	167	Medium hard black & gray granite		
	167	195	Medium hard gray granite	X	
	195	230	hard gray granite		
	230	278	medium hard gray granite		
	278	310	hard gray granite		
	310	377	hard black & gray quartz granite		
	377	383	Medium hard gray granite		
	383	404	hard gray granite		
	404	460	medium gray granite		
	460	500	hard gray granite	X	
	500	617	medium hard gray granite		
	617	650	hard gray granite		

Completed Depth (Measurable): 650

Date Started: 6/20/2017

Date Completed: 6/30/2017

14. DRILLER'S CERTIFICATION:

Company Name: All-Ways Drilling, Inc.

Co. No.

510

Principal Driller

Stanley K Wolfe

Date

7/13/17

Driller

Stanley K Wolfe

Date

7/13/17

Operator II

Date

*Signature of Principal Driller and rig operator are required.