Form 238-7

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D0072397

DRILLING PERMIT NO. 88801090

Water Right or Injection Well#

2. OWNER:

Name: Harden Properties

Address: 1400 Harden Road

City: Moscow State: Idaho Zip 83843

3. LOCATION OF WELL by legal description:

Twp. 39N Rge. 5W

Sec. 6 ____ 10 acres 1/4 N/W 40 acres 1/4 S/E 160 acres 1/4

Gov't Lot ____ County Latah

Lat. 46 ° 44 915 Deg. And Decimal min.

Long. 117 ° 0 641 Deg. And Decimal min.

Address of well site:

City: Mix and Harden Road, 1420

4. USE:

[X] Domestic [ ] Municipal [ ] Monitor [ ] Irrigation [ ] Injection

5. TYPE OF WORK:

[X] 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	1500	Pour

8. CASING/LINER:

Diameter	From	To	Guage/Schedule	Material	Casing	Liner	Threaded	Welded	Glued
6"	+2	128	250	Steel	X			X	
4"	-5	275	Sch 40	PVC		X			X

Was drive shoe used? yes Shoe Depth 128

9. PERFORATIONS/SCREENS

Perforations [X] Yes [ ] No Method Skill Saw

Manufactured screen [ ] Yes [X] No Type 1/8 X 6"

Method of installation:

From	To	Slot Size	Number	Diam.	Material	Guage or Schedule
275	215	1/8	90	4"	PVC	Sch. 40

Length of Headpipe ____ Length of Tailpipe: ____

Packer [ ] Yes [X] No Type:

10. FILTER PACK

Filter Material	From	To		Wt./Volume	Placement Method
NONE					

11. FLOWING ARTESIAN:

Flowing artesian [ ] Yes [X] No Artesian Pressure (PSIG) ____

Describe control device CAP

12. STATIC WATER LEVEL AND WELL TESTS:

Depth first water encountered (ft) 245 Static water level: 185'

Water temp. 50 degrees Bottom hole temp. ____

Describe access port: CAP

Well Test:

Drawdown (feet)	Discharge or yield	Test Duration	Pump	Bailer	Air	Flowing Artesian
	100+	3 hrs	[ ]	[ ]	[X]	[ ]

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	Water N
10	0	4	Dark brown dirt		
	4	30	Brown Clay		
	30	75	Brown gravel and quartz		
8	75	80	Soft brown clay		
	80	92	medium brown granite		
	92	110	brown granite sand		
	110	115	brown clay		
	115	124	gray clay		
6	124	128	medium hard gray shale		
	128	160	hard gray shale		
	160	170	medium hard gray shale		
	170	210	hard gray shale		
	210	240	hard black basalt		
	240	275	broken basalt	X	

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Completed Depth (Measurable): 275

Date Started: 10/27/2016 Date Completed: 11/1/2016

14. DRILLER'S CERTIFICATION:

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

Principal Driller Stanley Kwolfe Date 11/6/16

Driller Stanley K Wolfe Date 11/6/16

Operator II ____ Date ____

*Signature of Principal Driller and rig operator are required.