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857306

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0055849 *pg 1 of 2*
Drilling Permit No. 908725-857306
Water right or injection well # N/A

2. OWNER
Name State of Idaho Military Division
Address 4715 S Byrd St., Bldg 518
City Boise State ID Zip 83705

3. WELL LOCATION:
Twp. 2 North or South Rge. 2 East or West
Sec. 3 1/4 SE 1/4 SW 1/4
10 acres 40 acres 160 acres

Gov't Lot _____ County Ada
Lat. 43 ° 16.464 (Deg. and Decimal minutes)
Long. 116 ° 12.336 (Deg. and Decimal minutes)
Address of Well Site 9 miles west of Orchard, off Orchard access rd.
NW of Airforce Base City Orchard

Range Cntr. of Operation & Maintenance
Lot _____ Blk. _____ Sub. Name _____

4. USE:
 Domestic Municipal Monitor Irrigation Thermal Injection
 Other

5. TYPE OF WORK check all that apply (Replacement etc.)
 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 ft³)	Placement method/procedure
<u>cement</u>	<u>64'</u>	<u>117'</u>	<u>39 cu/ft</u>	<u>tremie pumped</u>
<u>bent chps 3/8</u>	<u>64'</u>	<u>0'</u>	<u>7600 lbs.</u>	<u>poured</u>

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>12"</u>	<u>+2'</u>	<u>118'</u>	<u>.375</u>	<u>steel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>8"</u>	<u>+2'</u>	<u>851'</u>	<u>.322</u>	<u>steel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Was drive shoe used? Y N Shoe Depth(s) 851'

9. PERFORATIONS/SCREENS:
Perforations Y N Method _____
Manufactured 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 ft³)	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) 767 Static water level (ft) 767
Water temp. (°F) 85 Bottom hole temp. (°F) 86.5
Describe access port _____

Well test: Test method:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
<u>.5</u>	<u>60</u>	<u>480</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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
<u>18"</u>	<u>0'</u>	<u>3'</u>	<u>top soil</u>		
<u>18"</u>	<u>3'</u>	<u>12'</u>	<u>boulders & clay</u>		
<u>18"</u>	<u>12'</u>	<u>35'</u>	<u>broken basalt</u>		
<u>18"</u>	<u>35'</u>	<u>48'</u>	<u>solid basalt</u>		
<u>18"</u>	<u>48'</u>	<u>64'</u>	<u>broken basalt</u>		
<u>18"</u>	<u>64'</u>	<u>71'</u>	<u>solid basalt</u>		
<u>18"</u>	<u>71'</u>	<u>85'</u>	<u>black cinders</u>		
<u>18"</u>	<u>85'</u>	<u>94'</u>	<u>broken basalt</u>		
<u>18"</u>	<u>94'</u>	<u>118'</u>	<u>solid basalt</u>		
<u>12"</u>	<u>118'</u>	<u>144'</u>	<u>solid basalt</u>		
<u>12"</u>	<u>144'</u>	<u>167'</u>	<u>broken basalt</u>		
<u>12"</u>			<u>lost circulation @145'</u>		
<u>12"</u>	<u>167'</u>	<u>185'</u>	<u>solid basalt</u>		
<u>12"</u>	<u>185'</u>	<u>201'</u>	<u>broken basalt</u>		
<u>12"</u>	<u>201'</u>	<u>208'</u>	<u>solid basalt</u>		
<u>12"</u>	<u>208'</u>	<u>232'</u>	<u>cinders</u>		
<u>12"</u>	<u>232'</u>	<u>245'</u>	<u>solid basalt</u>		
<u>12"</u>	<u>245'</u>	<u>270'</u>	<u>broken basalt</u>		
<u>12"</u>	<u>270'</u>	<u>284'</u>	<u>solid basalt</u>		
<u>12"</u>	<u>284'</u>	<u>310'</u>	<u>broken basalt</u>		
<u>12"</u>	<u>310'</u>	<u>340'</u>	<u>solid basalt</u>		
<u>10"</u>	<u>340'</u>	<u>392'</u>	<u>broken basalt</u>		
<u>10"</u>	<u>392'</u>	<u>405'</u>	<u>solid basalt</u>		
<u>10"</u>	<u>405'</u>	<u>445'</u>	<u>broken basalt</u>		
<u>10"</u>	<u>445'</u>	<u>455'</u>	<u>solid basalt</u>		
<u>10"</u>	<u>455'</u>	<u>465'</u>	<u>broken basalt</u>		
<u>10"</u>	<u>465'</u>	<u>475'</u>	<u>cinders</u>		
<u>10"</u>	<u>475'</u>	<u>510'</u>	<u>broken basalt</u>		
<u>10"</u>	<u>510'</u>	<u>530'</u>	<u>solid basalt</u>		
<u>10"</u>	<u>530'</u>	<u>540'</u>	<u>broken basalt</u>		
<u>10"</u>	<u>540'</u>	<u>567'</u>	<u>extreme broken basalt</u>		
<u>10"</u>	<u>567'</u>	<u>582'</u>	<u>cinders</u>		

RECEIVED
OCT 26 2009
WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable) _____ **continued**
Date: Started 8/10/09 Completed _____

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 Down Right Drilling & Pump, Inc Co. No. 637
*Principal Driller [Signature] Date 10-21-09
*Driller [Signature] Date 10-21-09
*Operator II _____ Date _____
Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

