

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

1. WELL TAG NO. D 0056713
 Drilling Permit No. 859385
 Water right or injection well # _____

2. OWNER:
 Name Bruce Carbaugh
 Address P.O. Box 145
 City Morton State WA Zip 98356

3. WELL LOCATION:
 Twp. 43 North ☒ or South ☐ Rge. 01 East ☒ or West ☐
 Sec. 06 1/4 NE 1/4 NE 1/4
 Gov't Lot _____ County Benewah
 Lat. 47 ° 06.462 (Deg. and Decimal minutes)
 Long. 116 ° 22.780 (Deg. and Decimal minutes)
 Address of Well Site Hemphill Lane City Fernwood
(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 ft³)	Placement method/procedure
<u>Bentonite</u>	<u>0</u>	<u>60</u>	<u>800lbs</u>	<u>Pour In</u>
<u>Chips</u>				

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>6"</u>	<u>0'</u>	<u>220'</u>	<u>250</u>	<u>Steel</u>	☒	☐	☐	☐
<u>4"</u>	<u>20'</u>	<u>270'</u>	<u>SDR-26</u>	<u>PVC</u>	☐	☒	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 220'

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

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
<u>230'</u>	<u>270'</u>	<u>.040</u>		<u>4"</u>	<u>SDR-26</u>	<u>PVC</u>

Length of Headpipe 1.5' Length of Tailpipe _____
 Packer ☐ Y ☐ N Type _____

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) 95/100 Static water level (ft) 90'
 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
260'	11gpm	24hrs	☒	☐	☐	☐

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>10"</u>	<u>0'</u>	<u>28'</u>	<u>TAN CLAY</u>	☒
	<u>28'</u>	<u>40'</u>	<u>Argonite / BASALT</u>	☒
	<u>40'</u>	<u>55'</u>	<u>BASALT</u>	☒
	<u>55'</u>	<u>60'</u>	<u>Black & Brown</u>	☒
<u>8"</u>			<u>Mud & Silt</u>	
	<u>60'</u>	<u>80'</u>	<u>Soft White Rock w/ silt</u>	☒
	<u>80'</u>	<u>100'</u>	<u>Blue Clay w/ Mica</u>	☒
	<u>100'</u>	<u>120'</u>	<u>Blue Clay w/ Rock</u>	☒
	<u>120'</u>	<u>140'</u>	<u>White Rock w/ Silt</u>	☒
	<u>140'</u>	<u>160'</u>	<u>Rock, Silt, SAND & CLAY</u>	☒
	<u>160'</u>	<u>180'</u>	<u>Rock, Silt, SAND, Mud & CLAY</u>	☒
	<u>180'</u>	<u>210'</u>	<u>Rock, Silt, SAND, Mud & CLAY</u>	☒
	<u>210'</u>	<u>220'</u>	<u>Black BASALT</u>	☒
<u>6"</u>	<u>220'</u>	<u>240'</u>	<u>Black BASALT</u>	☒
	<u>240'</u>	<u>260'</u>	<u>Black BASALT</u>	☒
	<u>260'</u>	<u>270'</u>	<u>Black BASALT</u>	☒

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Completed Depth (Measurable): 270'
 Date Started: 7/2/10 Date Completed: 7/20/10

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 Troy Moore Well Drilling Co. No. 634
 *Principal Driller Troy Moore Date 8/1/2010
 *Driller Troy Moore Date 8/1/2010
 *Operator II _____ Date _____
 Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

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IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

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Drilling Permit No. 859385
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☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
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5. TYPE OF WORK:
☒ 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
Bentonite 0 60 800lbs Pour In
Chips _____

8. CASING/LINER:
Diameter (nominal) From (ft) To (ft) Gauge/Schedule Material Casing Liner Threaded Welded
6" 0' 220' 250 Steel ☒ ☐ ☐ ☐
4" 20' 220' SDR-26 PVC ☐ ☒ ☐ ☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 220'

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

From (ft) To (ft) Slot size Number/ft Diameter (nominal) Material Gauge or Schedule
230' 270' .040 _____ 4" SDR-26 PVC

Length of Headpipe 1.5' 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) 95/100 Static water level (ft) 90'
Water temp. (°F) _____ Bottom hole temp. (°F) _____
Describe access port _____

Well test: Drawdown (feet) Discharge or yield (gpm) Test duration (minutes) Test method: Pump Bailer Air Flowing artesian
260' 11gpm 24hrs ☒ ☐ ☐ ☐

Water quality test or comments: _____

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
<u>10"</u>	<u>0'</u>	<u>28'</u>	<u>TAN CLAY</u>		☒
	<u>28'</u>	<u>40'</u>	<u>Argonite / Basalt</u>		☒
	<u>40'</u>	<u>55'</u>	<u>Basalt</u>		☒
	<u>55'</u>	<u>60'</u>	<u>Black & Brown</u>		☒
<u>8"</u>	<u>60'</u>	<u>80'</u>	<u>Mud & Silt</u>		☒
	<u>80'</u>	<u>100'</u>	<u>Soft White Rock w/</u>		☒
	<u>100'</u>	<u>120'</u>	<u>Silt</u>		☒
	<u>120'</u>	<u>140'</u>	<u>Blue Clay w/ Mica</u>		☒
	<u>140'</u>	<u>160'</u>	<u>Blue Clay w/ Rock</u>		☒
	<u>160'</u>	<u>180'</u>	<u>White Rock w/ Silt</u>		☒
	<u>180'</u>	<u>200'</u>	<u>Rock, Silt, Sand</u>		☒
	<u>200'</u>	<u>220'</u>	<u>+ Clay</u>		☒
	<u>220'</u>	<u>240'</u>	<u>Rock, Silt, Sand,</u>	☒	
	<u>240'</u>	<u>260'</u>	<u>Mud & Clay</u>	☒	
	<u>260'</u>	<u>270'</u>	<u>Rock, Silt, Sand,</u>	☒	
	<u>270'</u>	<u>280'</u>	<u>Mud & Clay</u>	☒	
	<u>280'</u>	<u>290'</u>	<u>Black Basalt</u>	☒	
	<u>290'</u>	<u>300'</u>	<u>Black Basalt</u>	☒	
	<u>300'</u>	<u>310'</u>	<u>Black Basalt</u>	☒	
	<u>310'</u>	<u>320'</u>	<u>Black Basalt</u>	☒	
	<u>320'</u>	<u>330'</u>	<u>Black Basalt</u>	☒	
	<u>330'</u>	<u>340'</u>	<u>Black Basalt</u>	☒	
	<u>340'</u>	<u>350'</u>	<u>Black Basalt</u>	☒	
	<u>350'</u>	<u>360'</u>	<u>Black Basalt</u>	☒	
	<u>360'</u>	<u>370'</u>	<u>Black Basalt</u>	☒	
	<u>370'</u>	<u>380'</u>	<u>Black Basalt</u>	☒	
	<u>380'</u>	<u>390'</u>	<u>Black Basalt</u>	☒	
	<u>390'</u>	<u>400'</u>	<u>Black Basalt</u>	☒	
	<u>400'</u>	<u>410'</u>	<u>Black Basalt</u>	☒	
	<u>410'</u>	<u>420'</u>	<u>Black Basalt</u>	☒	
	<u>420'</u>	<u>430'</u>	<u>Black Basalt</u>	☒	
	<u>430'</u>	<u>440'</u>	<u>Black Basalt</u>	☒	
	<u>440'</u>	<u>450'</u>	<u>Black Basalt</u>	☒	
	<u>450'</u>	<u>460'</u>	<u>Black Basalt</u>	☒	
	<u>460'</u>	<u>470'</u>	<u>Black Basalt</u>	☒	
	<u>470'</u>	<u>480'</u>	<u>Black Basalt</u>	☒	
	<u>480'</u>	<u>490'</u>	<u>Black Basalt</u>	☒	
	<u>490'</u>	<u>500'</u>	<u>Black Basalt</u>	☒	
	<u>500'</u>	<u>510'</u>	<u>Black Basalt</u>	☒	
	<u>510'</u>	<u>520'</u>	<u>Black Basalt</u>	☒	
	<u>520'</u>	<u>530'</u>	<u>Black Basalt</u>	☒	
	<u>530'</u>	<u>540'</u>	<u>Black Basalt</u>	☒	
	<u>540'</u>	<u>550'</u>	<u>Black Basalt</u>	☒	
	<u>550'</u>	<u>560'</u>	<u>Black Basalt</u>	☒	
	<u>560'</u>	<u>570'</u>	<u>Black Basalt</u>	☒	
	<u>570'</u>	<u>580'</u>	<u>Black Basalt</u>	☒	
	<u>580'</u>	<u>590'</u>	<u>Black Basalt</u>	☒	
	<u>590'</u>	<u>600'</u>	<u>Black Basalt</u>	☒	
	<u>600'</u>	<u>610'</u>	<u>Black Basalt</u>	☒	
	<u>610'</u>	<u>620'</u>	<u>Black Basalt</u>	☒	
	<u>620'</u>	<u>630'</u>	<u>Black Basalt</u>	☒	
	<u>630'</u>	<u>640'</u>	<u>Black Basalt</u>	☒	
	<u>640'</u>	<u>650'</u>	<u>Black Basalt</u>	☒	
	<u>650'</u>	<u>660'</u>	<u>Black Basalt</u>	☒	
	<u>660'</u>	<u>670'</u>	<u>Black Basalt</u>	☒	
	<u>670'</u>	<u>680'</u>	<u>Black Basalt</u>	☒	
	<u>680'</u>	<u>690'</u>	<u>Black Basalt</u>	☒	
	<u>690'</u>	<u>700'</u>	<u>Black Basalt</u>	☒	
	<u>700'</u>	<u>710'</u>	<u>Black Basalt</u>	☒	
	<u>710'</u>	<u>720'</u>	<u>Black Basalt</u>	☒	
	<u>720'</u>	<u>730'</u>	<u>Black Basalt</u>	☒	
	<u>730'</u>	<u>740'</u>	<u>Black Basalt</u>	☒	
	<u>740'</u>	<u>750'</u>	<u>Black Basalt</u>	☒	
	<u>750'</u>	<u>760'</u>	<u>Black Basalt</u>	☒	
	<u>760'</u>	<u>770'</u>	<u>Black Basalt</u>	☒	
	<u>770'</u>	<u>780'</u>	<u>Black Basalt</u>	☒	
	<u>780'</u>	<u>790'</u>	<u>Black Basalt</u>	☒	
	<u>790'</u>	<u>800'</u>	<u>Black Basalt</u>	☒	
	<u>800'</u>	<u>810'</u>	<u>Black Basalt</u>	☒	
	<u>810'</u>	<u>820'</u>	<u>Black Basalt</u>	☒	
	<u>820'</u>	<u>830'</u>	<u>Black Basalt</u>	☒	
	<u>830'</u>	<u>840'</u>	<u>Black Basalt</u>	☒	
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	<u>850'</u>	<u>860'</u>	<u>Black Basalt</u>	☒	
	<u>860'</u>	<u>870'</u>	<u>Black Basalt</u>	☒	
	<u>870'</u>	<u>880'</u>	<u>Black Basalt</u>	☒	
	<u>880'</u>	<u>890'</u>	<u>Black Basalt</u>	☒	
	<u>890'</u>	<u>900'</u>	<u>Black Basalt</u>	☒	
	<u>900'</u>	<u>910'</u>	<u>Black Basalt</u>	☒	
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Completed Depth (Measurable): 270'
Date Started: 7/2/10 Date Completed: 7/20/10

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 Troy Moore Well Drilling Co. No. 634
*Principal Driller Troy Moore Date 8/1/2010
*Driller Troy Moore Date 8/1/2010
*Operator II _____ Date _____
Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

43N 01E 06

CARBAUGH PIN RP43N01E06060LA

