



WELL DRILLER'S REPORT
NORTH DAKOTA BOARD OF WATER WELL CONTRACTORS
STATE OF NORTH DAKOTA
SFN 60273 (11/2013)

ND Board of Water Well Contractors • 900 E. Boulevard Ave. - Dept. 770 • Bismarck, ND, 58505-0850
State law requires that this report be filed with the State Board of Water Well Contractors within 30 days after completion or abandonment of the well.

WELL OWNER		Was pump installed? ☐ Yes ☒ No	
Name Earthwater Bakken LLC		Was well disinfected upon completion? ☐ Yes ☒ No	
Address 1720 Burnt Boat Drive Suite 100 Bismarck, ND 58503		WATER LEVEL	
WELL LOCATION Sketch map location must agree with written location.		Static water level (in feet) below surface 108	
	County Mountrail	GPS	If flowing, closed-in pressure in psi
	1/4 NW	1/4 NW	1/4 SE
	Township 152	Range 90	Section 10
PROPOSED USE		GPM flow Through inch pipe	
☐ Domestic ☐ Geothermal ☐ Municipal ☒ Industrial ☐ Stock ☐ Irrigation ☐ Monitoring ☒ Test Hole		Controlled by ☐ Valve ☐ Reducers ☐ Other ☐ If other, specify	
METHOD DRILLED		WELL TEST DATA	
☐ Cable ☐ Jetted ☐ Forward Rotary ☐ Reverse Rotary ☐ Bored ☐ Auger ☒ If other, specify <u>Dual Rotary</u>		☐ Pump ☐ Bailer ☒ Other	
WATER QUALITY Was a water sample collected for:		Pumping level below land surface	
Chemical Analysis? ☒ Yes ☐ No		Feet after Hrs. pumping gpm	
Bacteriological Analysis? ☐ Yes ☒ No		1040 2 180	
If so, to what laboratory was it sent?		Feet after Hrs. pumping gpm	
WELL CONSTRUCTION		Feet after Hrs. pumping gpm	
Diameter of hole in inches 8" 0-396' 6" +4- 665'		Depth in feet 1040	
Casing: ☒ Steel ☐ Plastic ☐ Concrete ☐ Other ☐ Threaded ☒ Welded ☐ If other, specify		WELL LOG	
Pipe Weight	Diameter	From	To
22 lb/ft	8 inches	0 feet	396 feet
17 lb/ft	6 inches	+4 feet	665 feet
lb/ft	Inches	feet	feet
Was perforated pipe used? ☐ Yes ☒ No		Formation	
Perforated pipe set from in feet To in feet		Depth (ft.)	
Was casing left open end? ☒ Yes ☐ No		From To	
Was a well screen installed? ☐ Yes ☒ No		Scoria Drill Pad 0 3	
Material		Clayey Silt - Br 3 65	
Slot Size	Set from in feet To in feet	Clay with occasional coal lenses- Gr 65 145	
Slot Size	Set from in feet To in feet	Sand with sandstone layers - 50gpm @196' - Gr 145 202	
Was packer or seal used? ☐ Yes ☒ No		Clay with coal layers - Gr 202 371	
If so, what material		Shale - very hard - 10 gpm@377' - Gr 371 377	
Depth in feet		Shale with coal stringers - Gr 377 508	
Type of well ☐ Straight screen ☐ Gravel packed		Sand/Sandstone soft - Gr 508 536	
Depth grouted	From To	Coal - 50gpm@540' - sandy water 536 540	
Grouting Material	Cement Other	Clay - Gr 540 535	
If other, explain:		Siltstone, very hard - Lt. Gr 535 560	
Well head completion: Pitless unit N/A		Siltstone - hard layers - Gr 560 633	
12" above grade 48" Other		Siltstone/Shale - 50gpm@636' - Gr 633 660	
If other, specify		Claystone/Siltstone - Gr 660 780	
		Siltstone - very hard - 20gpm@785' - Gr 780 785	
		Clay - Gr 785 815	
		Siltstone - Hard - Gr 815 820	
		Sandy Clay - Gr 820 1000	
		Sand with silty beds - 180gpm@1040' - Sandy H2O 1000 1040	
		(Use separate sheet if necessary)	
		DATE COMPLETED 3/11/14	
		WAS WELL PLUGGED OR ABANDONED?	
		☐ Yes ☒ No	
		If so, how	
		REMARKS	
		MT-17	
		DRILLER'S CERTIFICATION	
		This well was drilled under my jurisdiction and this report is true to the best of my knowledge.	
		Driller's or Firm's Name Gregory Drilling Inc	Certificate Number 57
		Address 1769 NE 70th St Redmond, WA 98052	
		Signed by Chad N. Gregory	Date 4/5/14

COPY FOR BOARD

COPY FOR DRILLER

COPY FOR CUSTOMER