

MONTANA WELL LOG REPORT

1825 Scarlet Sage

Form No. 603 R2-04

Well ID# Bentonite Holiday

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with MBMG within 60 days of completion of the work.** Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. **Optional fields have a grayed background.** Record additional information in the REMARKS section.

1. WELL OWNER:

Name Barry McMillen
 Mailing address 1825 Scarlet Sage
Leard MT 59044

2. WELL LOCATION: List 1/4 from smallest to largest

1/4 SE 1/4 SW 1/4, Section 2
 Township 2 Range 24 SW County Yellowstone
 Lot 6 Tract/Blk 3 Subdivision Name Woodstock
 Well Address 1825 Scarlet Sage
 GPS Yes No
 Latitude _____ Longitude _____
 Error as reported by GPS locator (± feet) _____
 Horizontal datum NAD27 WGS84

3. PROPOSED USE: Domestic Stock Irrigation

Public water supply Monitoring Well Other:

4. TYPE OF WORK:

New well Deepen existing well Abandon existing well
 Method: Cable Rotary Other:

5. WELL CONSTRUCTION DETAILS:

Borehole:
 Dia. 7 7/8 in. from 0 ft. to 26 ft.
 Dia. _____ in. from _____ ft. to _____ ft.
 Dia. _____ in. from _____ ft. to _____ ft.

Casing:
 Steel: Wall thickness 250 Threaded Welded
 Dia. 5 1/8 in. from 118" ft. to 24 ft.
 Dia. _____ in. from _____ ft. to _____ ft.

Plastic: Pressure Rating _____ lbs. Threaded Welded
 Dia. _____ in. from _____ ft. to _____ ft.

Perforations/Slotted Pipe:
 Type of perforator used open bottom
 Size of perforations/slots _____ in. by _____ in.
 _____ no. of perforations/slots from _____ ft. to _____ ft.
 _____ no. of perforations/slots from _____ ft. to _____ ft.

Screens: Yes No
 Material _____
 Dia. _____ Slot size _____ from _____ ft. to _____ ft.
 Dia. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel Packed: Yes No
 Size of gravel _____
 Gravel placed from _____ ft. to _____ ft.

Packer: Yes No
 Type _____ Depth(s) _____

Grout: Material used Bentonite
 Depth from _____ ft. to _____ ft. OR Continuous feed

6. WELL TEST DATA:

A well test is required for all wells. (See details on well log report cover.)

Static water level 5 ft. below top of casing or
 Closed-in artesian pressure _____ psi.

How was test flow measured:
 bucket/stopwatch, weir, flume, flowmeter, etc _____

Yellowstone Controlled Groundwater Area - Water Temperature _____ °F

AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum

Drawdown is the amount water level is lowered below static level.
 All depth measurements shall be from the top of the well casing.
 Time of recovery is hours/minutes since pumping stopped.

Air test*
25 gpm with drill stem set at 23 ft. for 1 hours
 Time of recovery 12 hrs/min. Recovery water level 5 ft.

OR Baller test*
 _____ gpm with _____ ft. of drawdown after _____ hours
 Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Pump test*
 Depth pump set for test _____ ft.
 _____ gpm pump rate with _____ ft. of drawdown after _____ hrs pumping
 Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Flowing Artesian*
 _____ gpm for _____ hours
 Flow controlled by _____

*During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

7. WELL LOG:

HD

Depth, Feet		Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
From	To	
0	2	top soil
2	5	clay
5	24	sand and gravel
24	26	quartz sand
26		shale

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ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 09-18-07

9. REMARKS:

10. DRILLER/CONTRACTOR'S CERTIFICATION:
 All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.
 Name, firm, or corporation (print) American Drilling
 Address 244 E. 1st St. Butte MT
 Signature [Signature]
 Date 09-18-07 License no. 344 WID 36