

CAN 20E 07AS
MONTANA WELL LOG REPORT

Form No. 603 R2-04

Well ID# _____

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 Don + Shirley Wagner
Mailing address 45 Wagon Lane
Bozeman, MT 59714

2. WELL LOCATION: List in from smallest to largest:

219 N 1/4 Section 7
Township 70N Range 12E County Carbon
Lot _____ Tract/Blk _____ Subdivision Name _____
Well Address _____
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. 6 in. from 0 ft. to 45 ft.
Dia. _____ in. from _____ ft. to _____ ft.
Dia. _____ in. from _____ ft. to _____ ft.

Casing:
Steel: Wall thickness .250 Threaded Welded
Dia. 6 1/2 in. from 7 1/2 ft. to 38 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 _____
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 Hydraulic Seal
Depth from 0 ft. to 38 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 22 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*
2 gpm with drill stem set at 45 ft. for 1 hours
Time of recovery 2 hrs/min. Recovery water level 21 1/2 ft.

OR Bailor 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: EA

Depth, Feet		Material:
From	To	color/rock and type/descriptor (example blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
0	4	Gravel
4	5	Play
5	23	Clay with gravel
23	31	Hard Play
31	32	Bedrock
32	51	Shale
51	52	Hard mudstone
52	58	Bedrock
58	45	Siltstone block with blue clay lens
		40 gpm at 51-52
RECEIVED		
OCT 03 2007		
M.B.M.G.		

ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 7-21-07

9. REMARKS: Well capston tested
etc.

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) Don Wagner
Address 45 Wagon Lane
Signature Don Wagner
Date 7-21-07 License no. 1000000000

Montana Bureau of Mines & Geology
The University of Montana
1300 West Park Street
Butte, MT 59701

MBMG ID# 239158

			Cont. Fed?
0	18.3	#8 CASING SEAL	Y
41	41	RUBBER	
45	45	RUBBER	

