

# MONTANA WELL LOG REPORT

Form No. 603 R2-99

Monitor  
Well ID# WELL

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 DNRC 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:** CHUCK DOBOYN  
Name Dave Haug  
Mailing address 178 MICHS Rd  
LIVINGSTON MT 59047

**2. WELL LOCATION** List ¼ from smallest to largest  
Township 2N Range 70W County Park  
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. 9 3/8 in. from 0 ft. to 35 ft.  
Dia. 6 in. from 35 ft. to 280 ft.  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Casing:**  
Steel: Wall thickness .250  Threaded  Welded  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Plastic: Pressure Rating 160 lbs.  Threaded  Welded  
Dia. 4 1/2 in. from 30 ft. to 280 ft.

**Perforations/Slotted Pipe:**  
Type of perforator used Saw  
Size of perforations/slots 5 in. by 6 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 0 ft. to 35 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 \_\_\_\_\_ 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\***  
100 gpm with drill stem set at 280 ft. for 1 hours  
Time of recovery 1 hrs/min. Recovery water level 92 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:**

Depth, Feet		Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
From	To	
0	1	TOP SOIL
1	18	SILT
18	105	SHALE
105	170	SANDSTONE
170	175	SHALE
175	190	SANDSTONE
190	195	SHALE
195	165	SANDSTONE
165	170	SHALE RED
170	175	SANDSTONE
175	240	SHALE
240	265	SANDSTONE
265	280	SHALE

ADDITIONAL SHEETS ATTACHED

**8. DATE WELL COMPLETED:** 6-15-04

**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) Rock Creek Drilling

Address Box 295 Hollet MT 59047

Signature Dave Haug

Date 9-2-04 License no. 500

# MONTANA WELL LOG REPORT

Form No. 603 R2-99

24hour Pump  
Well ID# TEST

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 DNRC 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:** Chuck Donovan  
Name Dave Haug  
Mailing address 178 Meigs Rd 59047

**2. WELL LOCATION** List ¼ from smallest to largest  
Township 2 N Range 9 E County Park  
Section 1  
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. 12 1/2 in. from 0 ft. to 18 ft.  
Dia. 7 3/8 in. from 18 ft. to 260 ft.  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Casing:**  
Steel: Wall thickness .250  Threaded  Welded  
Dia. 6 3/8 in. from 15 ft. to 185 ft.  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Plastic: Pressure Rating 200 lbs.  Threaded  Welded  
Dia. 6 in. from 10 ft. to 260 ft.

**Perforations/Slotted Pipe:**  
Type of perforator used SAW  
Size of perforations/slots 5 in. by 6 in.  
no. of perforations/slots from 100 ft. to 260 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 PORTLAND  
Depth from 0 ft. to 185 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 \_\_\_\_\_ 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\***  
150 gpm with drill stem set at 260 ft. for 1 hours  
Time of recovery 1 hrs/min. Recovery water level 83 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:**

Depth, Feet		Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
From	To	
0	1	Top Soil
1	8	SILT
8	41	SANDSTONE
41	58	SHALE
58	62	SANDSTONE
62	70	SHALE
70	85	SANDSTONE
85	105	SHALE
105	135	Red Shale
135	160	SHALE
160	180	SHALE
180	195	SANDSTONE
195	220	SHALE
220	245	SANDSTONE
245	250	SHALE
250	260	SANDSTONE
260	270	SHALE

ADDITIONAL SHEETS ATTACHED

**8. DATE WELL COMPLETED:** 6-15-04

**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) Rock Creek Drilling  
Address RT1 Box 295 Joliet Mt 59041  
Signature Wm Kuepper  
Date 9-2-04 License no. 300

Montana DNRC P.O. BOX 201601 HELENA, MT 59620-1601 444-6610

MBMG ID#

DEPARTMENT COPY

DRILLER: Please give this copy to the well owner to complete record.