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013/014

## MONTANA WELL LOG REPORT

Form No. 603 R2-AR

Well ID# 4231

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

Name

Mailing address

Gary + Karen Crawford  
2339 Maiden Lane SW  
Rockvale, Virginia 24015

## 2. WELL LOCATION

List from smallest to largest

Section 33  
 Township 150 Range 12 County POWELL  
 Lot 7 Tract/Bk 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 +1 1/2 ft. to 57 ft.  
 Dia. in. from ft. to ft.  
 Dia. in. from ft. to ft.

## Casing:

Steel: Wall thickness .250 ☐ Threaded ☒ Welded  
 Dia. 6 in. from +1 1/2 ft. to 57 ft.

## 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\*

\_\_\_\_\_ gpm with drill stem set at \_\_\_\_\_ ft. for \_\_\_\_\_ hours  
 Time of recovery \_\_\_\_\_ hrs/min. Recovery water level \_\_\_\_\_ 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 48 ft.  
17 gpm pump rate with 37 ft. of drawdown after 1 hrs pumping  
 Time of recovery 15 hrs/min Recovery water level 33 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	
<u>0</u>	<u>3</u>	<u>Top Soil &amp; Boulder</u>
<u>3</u>	<u>18</u>	<u>Red &amp; Gravel</u>
<u>18</u>	<u>50</u>	<u>Red Clay, SAND &amp; GRAVEL</u>

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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 Naturally  
 Gravel placed from 53 ft. to 57 ft.

Packer: ☐ Yes ☒ No

Type \_\_\_\_\_ Depth(s) \_\_\_\_\_

Grout: Material used Bementite  
 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 33 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**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) MT. PovertyAddress Lincoln, MT 59639Signature Mark ChristianDate 8-12-04 License no. 6010

MBMG ID#

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

Received from  
 MT. Poverty on 10/18/04!

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NOTE: If the well is not completed, the well owner is responsible for the well.  
 If the well is completed, the well owner is responsible for the well.