

**MONTANA WELL LOG REPORT**

**Other Options**

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

- [Return to menu](#)
- [Plot this site in State Library Digital Atlas](#)
- [Plot this site in Google Maps](#)
- [View hydrograph for this site](#)
- [View field visits for this site](#)
- [View scanned well log \(7/8/2009 9:28:14 AM\)](#)

**Site Name: CORNELIUS LAWRENCE**  
**GWIC Id: 76074**  
**DNRC Water Right: 31205**

**Section 7: Well Test Data**

Total Depth: 830  
 Static Water Level: 17  
 Water Temperature:

**Section 1: Well Owner(s)**

- 1) CORNELIUS, LAWRENCE (MAIL)  
 4211 ROBERTSON RD  
 RONAN MT 59864 [09/22/1996]
- 2) CORNELIUS, LAWRENCE (MAIL)  
 3021 6TH AVE. NORTH BOX 1835  
 BILLINGS MT 59103 [07/27/1980]

**Air Test \***

300 gpm with drill stem set at    feet for 5 hours.  
 Time of recovery    hours.  
 Recovery water level    feet.  
 Pumping water level 550 feet.

**Section 2: Location**

Township	Range	Section	Quarter Sections	
21N	20W	31	NE¼	SE¼ SE¼ NW¼
County			Geocode	
LAKE				
Latitude	Longitude	Geomethod	Datum	
47.538	-114.2083	MAP	NAD27	
Ground Surface Altitude	Ground Surface Method	Datum Date		
3045				
Measuring Point Altitude	MP Method	Datum	Date Applies	
3046.5			9/22/1996 3:30:00 PM	
Addition	Block	Lot		

\* 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.

**Section 8: Remarks**

UNSCREW SMALL PIPE (THE ONE WITH THE WIRES THROUGH IT) HAVE TO WORK THE STEEL TAPE BUT IT WILL PASS.

**Section 3: Proposed Use of Water**

- UNKNOWN (1)
- UNUSED (2)

**Section 4: Type of Work**

Drilling Method: AIR ROTARY  
 Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Sunday, July 27, 1980

**Section 6: Well Construction Details**

There are no borehole dimensions assigned to this well.

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-1.5	342.5	8				

There are no completion records assigned to this well.

**Annular Space (Seal/Grout/Packer)**

There are no annular space records assigned to this well.

**Section 9: Well Log**

**Geologic Source**

400RVLL - RAVALLI GROUP

From	To	Description
0	1	GRAVEL FILL
1	43	BROWN CLAY
43	142	CLAY BOUND GRAVELS
142	144	BOULDER
144	259	CLAY BOUND GRAVELS
259	278	BROWN SILTY CLAY
278	280	RED CLAY;WATER 20 GPM.
280	287	COARSE BROWN SAND;WATER 5 GPM
287	328	MEDIUM GRAVELS IN REDDISH BROWN CLAY
323	343	MEDIUM HARD GREEN SHALE W/REDDISH CLAY SEAMS
343	345	HARD GREEN ROCK
345	371	HARD GREEN & GRAY ROCK IN ALTERNATING LAYERS
371	373	GRAY CLAY SEAMS
373	400	GRAY ROCK W/SEAMS OF CLAY
400	407	CLAY SEAMS

**Driller 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.

<p><b>Name:</b>  <b>Company:</b> LIBERTY DRILLING &amp; PUMP CO  <b>License No:</b> WWC-52  <b>Date Completed:</b> 7/27/1980</p>
--

**Site Name: CORNELIUS LAWRENCE****GWIC Id: 76074****Additional Lithology Records**

<b>From</b>	<b>To</b>	<b>Description</b>
407	462	HARD GREEN & BORWN ROCK IN ALTERNATING LAYERS
462	465	SOFT BROWN ROCK;WATER 75 GPM
465	507	MEDIUM HARD BROWN ROCK;WATER 100 GPM TOTAL
507	535	HARD BROWN ROCK WATER 300 GPM TOTAL
535	589	HARD GREEN ROCK;WATER 350 GPM TOTAL
589	629	MEDIUM HARD GRAY ROCK
629	649	MEDIUM GRAY ROCK W/PURPLE SEAMS
649	690	MEDIUM HARD GRAY ROCK
690	700	MEDIUM HARD SANDSTONE
700	767	MEDIUM HARD GRAY ROCK W/PURPLE SEAMS
767	770	SOFT LIMESTONE TYPE ROCK
770	830	MEDIUM HARD BROWN & PRUPLISH ROCK