

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.

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Site Name: KERNELLS DOUG
GWIC Id: 141746

Section 7: Well Test Data

Total Depth: 165
 Static Water Level: 35
 Water Temperature:

Section 1: Well Owner(s)
 1) KERNELLS, DOUG (MAIL)
 260 BIRCH RD
 TROY MT 59935 [12/07/1993]

Air Test *

5 gpm with drill stem set at feet for 2 hours.
 Time of recovery 1 hours.
 Recovery water level 35 feet.
 Pumping water level 160 feet.

Section 2: Location

Township	Range	Section	Quarter Sections
35N	31W	30	SE¼ SW¼
County			Geocode

LINCOLN			
Latitude	Longitude	Geomethod	Datum
48.762025	-115.659784	TRS-SEC	NAD83
Ground Surface Altitude	Ground Surface Method	Datum Date	

* 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.

Addition	Block	Lot
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Section 8: Remarks

Section 3: Proposed Use of Water
 DOMESTIC (1)

Section 9: Well Log Geologic Source

Unassigned

Section 4: Type of Work
 Drilling Method: ROTARY
 Status: NEW WELL

From	To	Description
0	6	SILTY CLAY
6	18	SAND/SILT PEBBLES
18	21	BOULDER
21	48	SILTY CLAY/PEBBLES
48	74	BROKEN WEATHERED BEDROCK SILTY CLAY (YELLOW)
74	165	BEDROCK/FRACTURED WATER

Section 5: Well Completion Date
 Date well completed: Tuesday, December 07, 1993

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.

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	165	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	78	6	0.25		WELDED	STEEL
70	165	4		160.00		PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
135	155	4	16	1/8X6	SAW SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	0	BENTONITE	Y

Name: DAVID M. ILIFF
Company:
License No: WWC-427
Date Completed: 12/7/1993

Kalispell

35N31W30E

Lincoln

Form No. 603 (11-2-85)

WELL LOG REPORT

File No.

State law requires that the Bureau's copy be filed by the water well driller within 60 days after completion of the well.

10-062

1. WELL OWNER
Name Doug Kernolis

2. CURRENT MAILING ADDRESS
260 Birch Rd
Troy, MT 59935

3. WELL LOCATION
Township 35N NIS Range 31W E1/4 Section 30
Gov't Lot or Lot Block
Subdivision Name
Tract Number

4. PROPOSED USE: Domestic [X] Stock [] Irrigation []
Other [] specify

5. TYPE OF WORK:
New well [X] Method: Dug [] Bored []
Deepened [] Cable [] Driven []
Reconditioned [] Rotary [X] Jetted []

6. DIMENSIONS: Diameter of Hole
Dia. 6 in. from 0 ft. to 165 ft.
Dia. in. from ft. to ft.
Dia. in. from ft. to ft.

7. CONSTRUCTION DETAILS:
Casing: Steel Dia. 6" from + 2 ft. to 78 ft.
Threaded [] Welded [X] Dia. from ft. to ft.
Type Cpn Wall Thickness .250
Casing: Plastic Dia. 4" from 70 ft. to 165 ft.
Weight: 160 lbs Dia. from ft. to ft.
PERFORATIONS: Yes [X] No []
Type of perforator used saw
Size of perforations 1/8 in. by 6 in.
16 perforations from 135 ft. to 155 ft.
perforations from ft. to ft.
perforations from ft. to ft.

SCREENS: Yes [] No [X]
Manufacturer's Name
Type Model No.
Dia. Slot size from ft. to ft.
Dia. Slot size from ft. to ft.

GRAVEL PACKED: Yes [] No [X] Size of gravel
Gravel placed from ft. to ft.

GROUTED: To what depth? cont. fed ft.
Material used in grouting bentonite

8. WELL HEAD COMPLETION:
Pitless Adapter [] Yes [X] No

9. PUMP (if installed)
Manufacturer's name Goulds
Type sub Model No. 10EJ05 HP. 1/2

10. WELL TEST DATA
The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing.
All wells under 100 gpm must be tested for a minimum of one hour and provide the following information:
a) Air [X] Pump [] Bailor []
b) Static water level immediately before testing 35 ft. if flowing; closed-in pressure psi. gpm.
Flow controlled by: valve, reducers, other, (specify)
c) Depth at which pump is set for test 160
d) The pumping rate: gpm.
e) Pumping water level 160 ft. at 2 hrs. after pumping began.

f) Duration of test: Pumping time 2 hrs.
g) Recovery time 1 hrs.
h) Recovery water level 35 ft. at 1 hrs. after pumping stopped.

Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form.

NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports.

11. WAS WELL PLUGGED OR ABANDONED? Yes [] No [X]
If yes, how?

12. WELL LOG
Table with columns: Depth (ft.) From, To, Formation.
Rows: 0-6 silty clay; 6-18 sand/silt, pebbles; 18-21 boulder; 21-48 silty clay/pebbles; 48-74 broken, weathered bedrock; 74-165 silty clay, (yellow); 74-165 bedrock/fractured, water.

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MAR 3 1994
MONTANA D.N.R.C.
KALISPELL REGIONAL OFFICE

ATTACH ADDITIONAL SHEETS IF NECESSARY

13. DATE COMPLETED 12-7-93

14. DRILLER/CONTRACTOR'S CERTIFICATION
This well was drilled under my jurisdiction and this report is true to the best of my knowledge.
Date 2-10-94
B & B DRILLING, INC.
P.O. BOX 967 Libby, MT. 59923
Signature David M. Hoff License No. 427

MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
1520 EAST SIXTH AVENUE HELENA, MONTANA 59620-2301 444-6610
DNRC