

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: LADUKE JULIE
GWIC Id: 207333
DNRC Water Right: C30008547

Section 1: Well Owner

Owner Name
 LADUKE JULIE
Mailing Address
 106 BARBER DRIVE

City LIVINGSTON **State** MT **Zip Code** 59047

Section 2: Location

Township 02S **Range** 10E **Section** 7 **Quarter Sections** NE¼ NW¼
County PARK **Geocode**

Latitude 45.682439 **Longitude** 110.542992 **Geomethod** TRS-SEC **Datum** NAD83
Altitude **Method** **Datum** **Date**

Addition MONTAGUE **Block** 8 **Lot**

Section 3: Proposed Use of Water

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Monday, October 13, 2003

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	160	7
0	90	12

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	160	6	0.250		WELDED	STEEL
0	20	12	0.250		WELDED	STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
90	97	6	196	3/16 X 1 IN	HOLTE PERFORATOR SLOTS
130	138	6	224	3/16 X 1 IN	HOLTE PERFORATOR SLOTS
150	155	6	140	3/16 X 1 IN	HOLTE PERFORATOR SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	20	3/8 CHIPS	

Section 7: Well Test Data

Total Depth: 160
 Static Water Level: 41.5
 Water Temperature:

Pump Test *

Depth pump set for test 147 feet.
78 gpm pump rate with 84 feet of drawdown after 24 hours of pumping.
 Time of recovery 24 hours.
 Recovery water level 43.1 feet.
 Pumping water level 125.5 feet.

** 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

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	6	SILT CLAY TOPSOIL
6	17	SILT/M GRAV/ STRINGES SAND STONE AND SHALE
17	19	HARDSFRACTURED SHALE
19	21	SILT CLAY
21	37	FINE SAND /M GRAV/GRAV
37	45	TRAC FINE SAND
45	53	GRN SHALE WITH RED STRKS
53	66	RED SHALE WITH TRAC OF QUARTZ
66	70	BLACK SHALE
70	73	GRN SHALE
73	83	DARK RED WITH BLK STRINGES SHALE
83	87	BLK WITH GRN STRKS SHALE
87	90	GRN SANDSTONE GRN SHALE
90	92	BRN SHALE
92	98	GRN SANDSTONE BLK SHALE

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.

Name:
Company: RED TIGER DRILLING
License No: WWC-386
Date Completed: 10/13/2003

Site Name: LADUKE JULIE
 GWIC Id: 207333
 Additional Lithology Records

From	To	Description
98	100	BLK SHALE
100	108	DARK RED SHALE
108	115	GRN SANDSTONE
115	125	GRAY SHALE SOFTER SHALES
125	130	RED SHALE WITH GRAY STRKS
130	150	DARK GRAY SHALE HARD
150	160	BRN SHALE HARD AND FRACTURED