MONTANA WELL LOG REPORT

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.

Other Options

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Site Name: POTTER ROBERT & KATHERINE
GWIC Id: 218359

Section 1: Well Owner(s)

1) POTTER, ROBERT AND KATHERINE (MAIL)
1680 DOONER MT RD
TROY MT 59935 [07/10/2002]

Section 2: Location

Township	Range	Section	Quarter Sections
29N	33W	17	SE¼ SW¼ SW¼

County: LINCOLN
Geocode:

Latitude	Longitude	Geomethod	Datum
48.2746	-115.8618	NAV-GPS	NAD83

Ground Surface Altitude: **Ground Surface Method:** **Datum:** **Date:**

Addition: **Block:** **Lot:**

Section 3: Proposed Use of Water

DOMESTIC (1)

Section 4: Type of Work

Drilling Method: CABLE TOOL
Status: NEW WELL

Section 5: Well Completion Date

Date well completed: Wednesday, July 10, 2002

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	140	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	140	6	0.250		WELDED	STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
140	140	6	1	6	OPEN BOTTOM

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	0	BENTONITE	Y

Section 7: Well Test Data

Total Depth: 140
Static Water Level: 60
Water Temperature:

Bailer Test *

20 gpm with 0 feet of drawdown after 2 hours.
Time of recovery 0 hours.
Recovery water level 80 feet.
Pumping water level 60 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	5	TOPSOIL GRAVEL
5	135	SAND GRAVEL CLAY
135	140	GRAVEL WATER

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: BARZIA TESKE
Company:
License No: WWC-124
Date Completed: 7/10/2002

29 N 33 W 17 ECD

MONTANA WELL LOG REPORT

Form No. 603 R2-99

Well ID# _____

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 Robert & Katherine Potter

Mailing address 1680 Doonan MT RD

Troy Mont 59935

2. WELL LOCATION: List ¼ from smallest to largest

____ ¼ SE ¼ SW ¼ SW ¼, Section 17

Township 29 N/S Range 33 E/W County Lincoln

OK Lot ____, Tract/Blk ____ Subdivision Name ____

Well Address 1680 Doonan MT RD

GPS ☑ Yes ☐ No

Latitude 48-16-287 Longitude 115-51-423

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 0 ft. to 140 ft.

Dia. ____ in. from ____ ft. to ____ ft.

Dia. ____ in. from ____ ft. to ____ ft.

Casing:

Steel: Wall thickness 250 ☐ Threaded ☑ Welded

Dia. 6 in. from 0 ft. to 140 ft.

Dia. ____ in. from ____ ft. to ____ ft.

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 ____

Gravel placed from ____ ft. to ____ ft.

Packer: ☐ Yes ☑ No

Type ____ Depth(s) ____

Grout: Material used Bentonite

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 60 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*

____ gpm with drill stem set at ____ ft. for ____ hours

Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Bailer test*

20 gpm with 0 ft. of drawdown after 2 hours

Time of recovery 0 hrs/min. Recovery water level 80 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 resevoir of the well casing.*

7. WELL LOG: OA

Depth, Feet From	Depth, Feet To	Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
0	5	Top Soil Gravel
5	135	Sand Gravel Clay
135	140	Gravel water

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☐ ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: July 10-02

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) Big Sky West Drilling

Address 512 Vanderwood RD Libby

Signature Barjie R Teske

Date 3-18-05 License no. 124

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

MBMG ID# 218359

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