31N33W21BB

Form No. 603 R2-8

MONTANA WELL LOG REPORT

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 MT. Bureau of Mines Geology 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 graveyard background. Record additional information in the REMARKS section.

1. WELL OWNER:

Name RAYMOND FELDER

Mailing address 988 CR 605

ANGLETON, TX 77515

2. WELL LOCATION List ¼ from smallest to largest

¼ ¼ NW ¼ NW ¼, Section 21

Township 31N Range 33W County Lincoln

Lot____, Tract/Blk____ SubdivisionName

Well Address

GPS

Latitude Longitude

Error as reported by GPS locator (± feet)

Horizontal datum

3. PROPOSED USE: DOMESTIC

4. TYPE OF WORK: New Well

Method: Rotary

5. WELL CONSTRUCTION DETIALS:

Borehole:

Dia. 10 in. form 0 ft. to 18 ft.

Dia. 6 in. form 0 ft. to 380 ft.

Dia. ____ in. form ____ ft. to ____ ft.

Casing:

Steel: Wall thickness

Dia. 6 in. form +2 ft. to 380 ft.

Dia. ____ in. form ____ ft. to ____ ft.

Plastic: Pressure Rating

Dia. ____ in. form ____ 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:

Material

Dia. ____ Slot size ____ from ____ ft. to ____ ft.

Dia. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel Packed:

Size of gravel

Gravel placed from ____ ft. to ____ ft.

Packer:

Type Depth(s)

Grout: Material used Bentonite

Depth from 0 ft. to 18 ft.

6. WELL TEST DATA:

A well test is required for all wells. *(See details on well log report cover.)*

Static water level 0 ft. below top of casing

Closed-in artesian pressure 15 psi

How was test flow measured: bucket/stopwatch

Yellowstone Controlled Groundwater Area - Water Temperature col °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 recovery is hours/minutes since pumping stopped.

Air test* 120 gpm with drill set at 360 ft. for 1 hours

Time of recovery 10 hrs/min. Recovery water level 0 ft.

OR Bailer 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 ____ ft.

____ gpm pump rate with ____ ft. of drawdown after ____ hours pumping.

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

OR Flowing Artesian*

____ gpm for ____ hours

Flow controlled by watertight cap

* 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: 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	20	Gravel & Boulders
20	325	Clay Gray
325	350	Gravel & Clay Brown
350	370	Gravel Cemented
370	380	Gravel

RECEIVED

SEP 16 2008

M.B.M.G.

☐ ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED 9/5/2008

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) Minden Water Wells

Address 307 Heideman Rd Bonners Ferry, ID 83805

Signature Edward A Minden

Date 9-11-08 **License no.** 561

Montana Bureau of Mines Geology
The University of Montana
1300 West Park Street Butte, MT 59701

MBMG ID#

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