

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.

[Go to GWIC website](#)
[Plot this site in State Library Digital Atlas](#)
[Plot this site in Google Maps](#)

Site Name: BOUMA, NEAL
GWIC Id: 308370

Section 1: Well Owner(s)
 1) BOUMA, NEAL (MAIL)
 PO BOX 775
 CHOTEAU MT 59422 [07/16/2020]

Section 2: Location

Township	Range	Section	Quarter Sections	Geocode
27N	21W	29	SW¼ NW¼ NE¼ NW¼	

Latitude	Longitude	Geomethod	Datum
48.079619	-114.303411	MAP	WGS84
Ground Surface Altitude	Ground Surface Method	Datum	Date

Addition	Block	Lot
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Section 3: Proposed Use of Water
 UNUSED (1)

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

Section 5: Well Completion Date
 Date well completed: Thursday, July 16, 2020

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	265	8
265	880	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-1.5	265	6.6	0.25		WELDED	A53B STEEL
100	800	4		220.0	SPLINE	PVC-SCHED 40

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
700	800	4	64	.1*5	SAW SLOTS
800	880	6	1	6	OPEN HOLE

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	265	BENTONITE	y

Section 7: Well Test Data

Total Depth: 880
 Static Water Level: 695
 Water Temperature:

Air Test *

10 gpm with drill stem set at 800 feet for 2 hours.
 Time of recovery 24 hours.
 Recovery water level 695 feet.
 Pumping water level 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

PARTIAL LOST CIRCULATION WAS ENCOUNTERED IN THE WATER BEARING ZONE AS THE FORMATION WAS VERY FRACTURED. THE WELL LIKELY PRODUCES IN EXCESS OF 10 GPM.

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	6	FRACTURED TAN SILTSTONE
6	26	TAN SANDY CLAY
26	40	TAN CLAY
40	45	GRAY MUDSTONE
45	242	TAN FRACTURED SILTSTONE
242	245	GRAY MUDSTONE
245	247	TAN FRACTURED SILTSTONE
247	695	GRAY MUDSTONE WITH THIN TAN SILTSTONE LENSES
695	740	TAN SILTSTONE (STARTED MAKING WATER)
740	860	FRACTURED GRAY MUDSTONE WITH THIN TAN FRACTURED SILTSTONE LENSES (WATER)
860	880	GRAY MUDSTONE

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: TYREL HLAVNICKA
Company: AQUASOURCE
License No: WWC-199
Date Completed: 7/16/2020