

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.	Return to menu Plot this site in State Library Digital Atlas Plot this site in Google Maps View scanned well log (9/23/2011 11:07:27 AM)

Site Name: BOZARTH SHELLEY
 GWIC Id: 149919

Section 7: Well Test Data

Section 1: Well Owner(s)
 1) BOZARTH, SHELLEY (MAIL)
 724 NORTH 14
 BILLINGS MT 59101 [06/07/1993]

Total Depth: 200
 Static Water Level: 30
 Water Temperature:

Air Test *

1 gpm with drill stem set at feet for 2 hours.
 Time of recovery 2 hours.
 Recovery water level 30 feet.
 Pumping water level 200 feet.

Section 2: Location

Township	Range	Section	Quarter Sections
06S	21E	5	SW¼ SE¼ NW¼
County			Geocode

CARBON

Latitude	Longitude	Geomethod	Datum
45.340907	-109.16887	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
 WESTERN RANCH ESTATES

Block **Lot**
 9

Section 8: Remarks

Section 3: Proposed Use of Water
 DOMESTIC (1)

Section 9: Well Log

Geologic Source
 125FRUN - FORT UNION FORMATION

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

From	To	Description
0	1	TOPSOIL
1	3	SANDY CLAY
3	12	GRAVEL
12	35	CLAY
35	94	SHALE
94	98	SANDSTONE
98	200	SHALE

Section 5: Well Completion Date
 Date well completed: Monday, June 07, 1993

Section 6: Well Construction Details
Borehole dimensions

From	To	Diameter
0	18.5	10
18.5	200	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-1.5	18.5	6	0.250			STEEL
8	200	4		160.00		PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
35	160	4		1/8X4	SAW SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	18.5	BENTONITE	

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: PAUL STEINMETZ Company: AAQUA DRILLING INC License No: WWC-542 Date Completed: 6/7/1993
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Form No. 603 (R 2-89)

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.

111690

1. WELL OWNER
Name Holley Branch

2. CURRENT MAILING ADDRESS
724 North 14
Billings 59101

3. WELL LOCATION
SW 1/4 SE 1/4 NW 1/4 Section 5
Township 6 Range 21 County Carbon
Gov't Lot _____ or Lot 9 Block _____
Subdivision Name Western Ranch Estates
Tract Number _____

4. PROPOSED USE: Domestic Stock Irrigation
Other specify _____

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

6. DIMENSIONS: Diameter of Hole
Dia. 10 5/8 in. from 0 ft. to 18.5 ft.
Dia. 6 7/8 in. from 18.5 ft. to 200 ft.
Dia. _____ in. from _____ ft. to _____ ft.

7. CONSTRUCTION DETAILS:
Casing: Steel Dia. 6 5/8 from 1 1/2 ft. to 18.5 ft.
Threaded Welded Dia. _____ from _____ ft. to _____ ft.
Type A53 Wall Thickness .250
Casing: Plastic Dia. 4 1/2 from 8 ft. to 200 ft.
Weight 160 # Dia. _____ from _____ ft. to _____ ft.
PERFORATIONS: Yes No
Type of perforator used _____
Size of perforations 1/8 in. by 6 in.
40 perforations from 35 ft. to 160 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
SCREENS: Yes No
Manufacturer's Name _____
Type _____ Model No. _____
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.
GROUTED: To what depth? 18.5 ft.
Material used in grouting cement 5 lbs. Portland

8. WELL HEAD COMPLETION:
Pitless Adapter Yes No

9. PUMP (if installed)
Manufacturer's name _____
Type _____ Model No. _____ HP. _____

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 Pump _____ Balter _____
b) Static water level immediately before testing _____ ft. If flowing; closed-in pressure _____ psi. _____ gpm.
Flow controlled by: _____ valve, _____ reducers, _____ other (specify) _____
c) Depth at which pump is set for test _____ 200
d) The pumping rate: _____ gpm.
e) Pumping water level _____ 200 ft. at _____ 400 hrs. after pumping began.

f) Duration of test: Pumping time 2 hrs.
g) Recovery time _____ hrs.
h) Recovery water level _____ 30 ft. at 2 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
If yes, how? _____

12. WELL LOG

Depth (ft.)		Formation
From	To	
0	1	topsoil
1	3	soft clay
3	12	gravel
12	35	clay
35	94	shale
94	98	conglomerate
98	200	shale

RECEIVED

AUG 05 1993

DEPT. OF NATURAL RESOURCES AND CONSERVATION BILLINGS OFFICE

HP

ATTACH ADDITIONAL SHEETS IF NECESSARY

13. DATE COMPLETED 6/2/93

14. DRILLER/CONTRACTOR'S CERTIFICATION
This well was drilled under my jurisdiction and this report is true to the best of my knowledge.
Date 6/2/93
Firm Name A. C. C. Drilling Inc.
Address Box 114 Joliet 59041
Signature Paul Atkinson License No. 542

MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
1820 EAST SIXTH AVENUE HELENA, MONTANA 59620-2301 444-6610

DNRC

1537 2040
Suite 121
Billings 59101

M: 749919