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.

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Site Name: VOGEL RANDLE J. AND DONNA S.

GWIC ld: 177494

DNRC Water Right: 110424

Section 1: Well Owner(s)

1) VOGEL, RANDLE J. AND DONNA S. (MAIL)

2997 W SWAN SHORES

BIGFORK MT 59911 [06/15/1999]

Section 2: Location

Township	Range	Section	Quarter	Sections	
26N	18W	31	SE1/4	NE1/4	
County		Geocode		Parcel	
LAKE					
Latitude	Longi	tude	Geomethod	Date	um
47.973526	-113.92	23366	TRS-SEC	NAC	83
Ground Surface	Altitude	Ground Su	rface Method	Datum	Date

Section 7: Well Test Data

Total Depth: 140 Static Water Level: 17 Water Temperature:

Air Test *

21 gpm with drill stem set at 135 feet for 2 hours. Time of recovery 0.25 hours.

Recovery water level 17 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.

Addition Block Lot SWAN SHORES WEST A 4

Section 3: Proposed Use of Water

DOMESTIC (1)

Section 4: Type of Work
Drilling Method: ROTARY

Status: NEW WELL

Section 5: Well Completion Date

Date well completed: Tuesday, June 15, 1999

Section 6: Well Construction Details

 Borehole dimensions

 From
 To
 Diameter

 0
 30
 10

 30
 140
 6

Casing

From	То		Wall Thickness	Pressure Rating	1	Туре
-2	50	6			WELDED	STEEL
40	140	4		160.00		PVC

Completion (Perf/Screen)

				Size of	
From	То	Diameter	Openings	Openings	Description
130	140	4	36	6X3/16IN	SAW SLOTS

Annular Space (Seal/Grout/Packer)

			Cont.
From	То	Description	Fed?
0	10	BENTONITE	

Section 8: Remarks

Section 9: Well Log Geologic Source

112DRFT - GLACIAL DRIFT

TIZDIN 1 - GLACIAL DINI 1			
From	То	Description	
0	25	SAND GRAVEL COBBLES	
25	35	SAND GRAVEL SILT AND WATER	
35	48	SAND GRAVEL SILTY AND GRAY CLAY	
48	50	GREEN ROCK AND SEEPAGE 3GPM	
50	115	GREEN ROCK	
115	120	PURPLE ROCK WITH FRACTURES AND WATER 10GPM	
120	140	PURPLE ROCK WITH FRACTURES AND WATER 21GPM	

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: CYCLONE DRILLING INC

License No: WWC-583 **Date Completed:** 6/15/1999