

Well Name: GILDFORD COLONY
GWIC Id: 46153
DNRC Water Right: 32840

Section 1: Well Owner(s)
1) GILDFORD COLONY (MAIL)
BOX 141
GILDFORD MT 59525 [04/19/1988]

Section 2: Location

Township	Range	Section	Quarter Sections		
35N	11E	10	NE¼ SE¼ SW¼		
County			Geocode	Parcel	
HILL					
Latitude	Longitude		Geomethod	Datum	
48.801163	-110.28235		TRS-SEC	NAD83	
Ground Surface Altitude		Ground Surface Method		Datum	Date
Addition		Block	Lot		

Section 3: Proposed Use of Water
PUBLIC WATER SUPPLY (1)

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

Section 5: Well Completion Date
Date well completed: Saturday, April 19, 1988

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	300	8

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	8	80				CULVERT
7	10.5	8	0.250			STEEL
7	300	5		200.00		PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
155	299	5		3/16	DRILLED HOLES

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
8	19	CEMENT	
19	75	BENTONITE AND FILL	
75	95	CEMENT	
95	300	GRAVEL PACK	

Section 7: Well Test Data

Total Depth: 300
Static Water Level: 113
Water Temperature:

Air Test *

35 gpm with drill stem set at _300_ feet for _ _ hours.
Time of recovery _ _ hours.
Recovery water level _ _ 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

Section 9: Well Log

Geologic Source

211JDRV - JUDITH RIVER FORMATION (OF MONTANA GROUP)

From	To	Description
0	4	SOIL
4	73	SANDY AND GRAVELLY BROWN AND GRAY CLAYS COBBLES
73	108	GRAY AND BLUE GRAY SHALES
108	131	SANDSTONE SHALEY SANDSTONE AND SANDY SHALE HARD RIBS
131	158.5	BLUE AND SANDY BLUE SHALE
158.5	167	GRAY SANDSTONE WATER
167	177	SHALEY SANDSTONE AND SANDY SHALE WATER
177	209	GRAY AND BROWN SHALE COAL SEAMS
209	213	GRAY SANDSTONE WATER
213	245	GRAY BLUE GRAY AND BROWN SHALES
245	257	GRAY SANDSTONE WATER
257	280	SANDY GRAY SHALE
280	297	GRAY SANDSTONE SHALEY SANDSTONE WATER
297	300	SANDY BROWN SHALE COAL

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: HI-LINE DRILLING INC.
License No: WWC-48
Date Completed: 4/19/1988