



Water-Data Report 2010

470049113035401 Local number 15N12W36BCDD01

Cenozoic Erathem

Powell County, MT

LOCATION.--Lat 47°00'49", long 113°03'54" referenced to North American Datum of 1927, in SE ¼ SW ¼ NW ¼ sec.36, T.15 N., R.12 W., Powell County, MT, Hydrologic Unit 17010203, Owner: Montana Department of Transportation.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 206 ft. Upper casing diameter 6.0 in; top of first opening undefined, bottom of last opening undefined. Drilled in Sep. 1964.

DATUM.--Land-surface datum is 4,278 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelter, 1.09 ft above land-surface datum, Apr. 2003 to current year. Reference point established July 15, 2003: top of steel rod 40 ft northwest of well by fence corner, 3.14 ft above measuring point.

PERIOD OF RECORD.--Manually measured from 1975 to 1991 and continuously recorded from June 1991 to current year.

GAGE.--Digital water-level recorder set to record every hour from Apr. 1991 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 95.90 ft, Dec. 12, 1991 (measured); lowest, 126.72 ft, Oct. 11, 1984 (measured).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 103.93, June 21 (from recorder); lowest, 104.50 ft, Oct. 1 (from recorder).

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Dec 9	104.26	V	--	Jul 30	104.24	V	--
Mar 19	104.16	V	--	Sep 2	104.26	V	--
Jul 28	104.21	V	--				

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	104.49	104.35	104.28	104.24	104.13	104.15	104.08	104.06	104.02	103.97	104.21	104.21
2	104.47	104.38	104.30	104.23	104.13	104.13	104.09	104.07	104.00	103.96	104.22	104.24
3	104.45	104.36	104.32	104.26	104.13	104.11	104.06	104.05	103.98	103.99	104.24	104.24
4	104.45	104.35	104.27	104.25	104.13	104.11	104.09	104.05	103.98	104.01	104.26	104.21
5	104.46	104.31	104.27	104.19	104.13	104.13	104.07	104.08	104.00	104.01	104.25	104.19
6	104.47	104.28	104.29	104.22	104.14	104.15	104.10	104.09	104.02	104.03	104.23	104.22
7	104.45	104.31	104.27	104.24	104.14	104.11	104.14	104.11	104.00	104.04	104.23	104.21
8	104.46	104.32	104.25	104.22	104.15	104.10	104.09	104.08	104.02	104.05	104.24	104.18
9	104.46	104.35	104.29	104.20	104.14	104.10	104.11	104.06	103.99	104.05	104.24	104.16
10	104.47	104.33	104.38	104.21	104.13	104.09	104.12	104.05	103.99	104.04	104.23	104.15
11	104.44	104.32	104.36	104.20	104.13	104.12	104.11	104.08	104.02	104.05	104.22	104.17
12	104.41	104.27	104.33	104.16	104.12	104.11	104.09	104.10	104.03	104.03	104.23	104.17
13	104.40	104.27	104.29	104.15	104.14	104.09	104.06	104.10	104.03	104.05	104.19	104.17
14	104.38	104.29	104.31	104.19	104.16	104.16	104.05	104.10	104.01	104.10	104.18	104.17
15	104.44	104.34	104.33	104.18	104.15	104.18	104.09	104.11	103.99	104.12	104.20	104.18
16	104.47	104.33	104.32	104.15	104.15	104.17	104.09	104.11	103.98	104.11	104.19	104.17
17	104.44	104.29	104.32	104.14	104.14	104.16	104.06	104.09	103.96	104.13	104.18	104.17
18	104.40	104.29	104.34	104.12	104.15	104.16	104.07	104.07	103.95	104.13	104.17	104.17
19	104.39	104.32	104.31	104.10	104.13	104.17	104.07	104.10	103.95	104.14	104.17	104.14
20	104.41	104.28	104.28	104.09	104.13	104.16	104.06	104.10	103.97	104.16	104.18	104.13
21	104.42	104.25	104.22	104.08	104.13	104.13	104.03	104.11	103.94	104.16	104.18	104.14
22	104.41	104.28	104.21	104.06	104.14	104.12	104.03	104.07	103.97	104.16	104.19	104.14
23	104.41	104.31	104.25	104.11	104.15	104.16	104.07	104.10	103.98	104.17	104.24	104.15
24	104.36	104.34	104.29	104.16	104.11	104.16	104.09	104.11	103.97	104.20	104.27	104.19
25	104.40	104.33	104.29	104.16	104.13	104.11	104.12	104.12	103.97	104.19	104.24	104.22
26	104.36	104.30	104.29	104.14	104.14	104.11	104.12	104.12	103.99	104.19	104.22	104.19
27	104.31	104.27	104.28	104.17	104.11	104.17	104.05	104.10	104.00	104.21	104.21	104.20
28	104.36	104.29	104.29	104.19	104.11	104.16	104.00	104.07	104.01	104.22	104.20	104.19
29	104.37	104.31	104.25	104.17	---	104.09	104.01	104.06	104.01	104.22	104.20	104.20
30	104.34	104.29	104.23	104.15	---	104.03	104.06	104.05	103.98	104.23	104.21	104.20
31	104.34	---	104.25	104.13	---	104.06	---	104.04	---	104.22	104.23	---
Max	104.49	104.38	104.38	104.26	104.16	104.18	104.14	104.12	104.03	104.23	104.27	104.24
Min	104.31	104.25	104.21	104.06	104.11	104.03	104.00	104.04	103.94	103.96	104.17	104.13

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