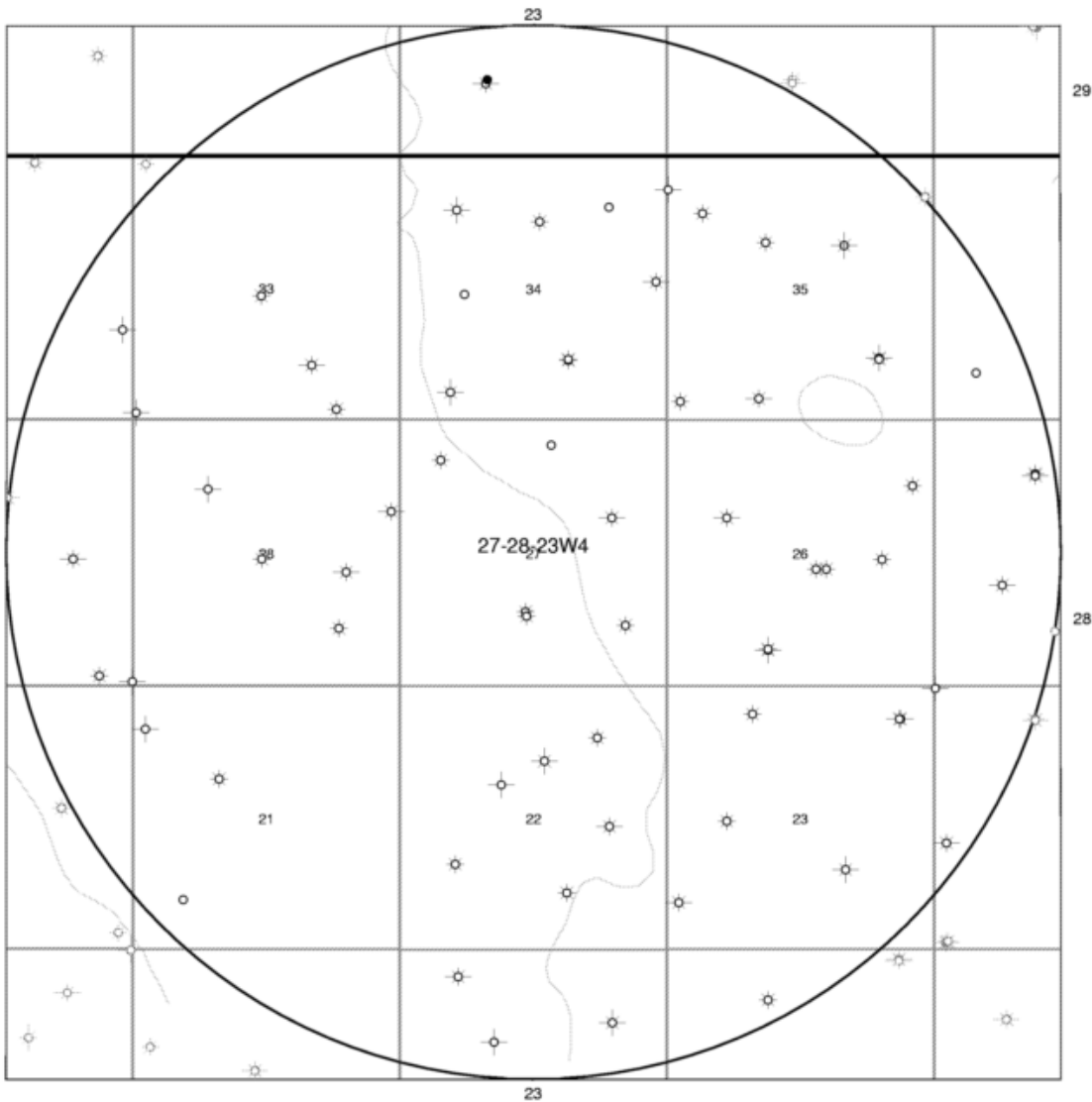


Mud Density Report

Area : 27-28-23W4 Radius : 2 miles

5-29-23W4



Well Legend

- Oil
- ⊕ Gas
- ⊖ Capped/Potential/Indication
- Suspended Oil
- ⊕ Suspended Gas
- Location
- ⊖ Abandoned Gas
- ⊕ Dry and Abandoned

13-28-23W4

CARBON

Area : 27-28-23W4 Radius : 2 miles

- Search Radius
- ⊕ Wells appearing in report
- ⊖ Wells not appearing in report

Mud Density Report

Area : 27-28-23W4 Radius : 2 miles

Field/Zone/Pool	Discovery Well	Initial Press	Mean Depth	H2S	CO2	EmD
CARBON LOWER EDMONTON D	Feb 09 2003	(kPa) 1130.0	(m) 338.4	--	0.64%	(kg/m ³) 340.4

Field/Zone/Pool	Discovery Well	Initial Press	Mean Depth	H2S	CO2	EmD
CARBON EDM, BR, VK, MN&RUN MU#1	May 20 2005	(kPa) 0.0	(m) 1311.5	--	--	(kg/m ³) 0.0

Well Identifier	Test	Status	Test Date	Pressure	Depth	Gradient	Gas	EmD	Formation
				(kPa)	(m)	(kPa/m)	(10 ³ m ³)	(kg/m ³)	
00/06-03-029-23W4/00	Bhp	Pump CR-Oil	Nov 11 1975	11253.0	1558.7	7.2	---	735.9	Pekisko Fm
00/06-03-029-23W4/00	Bhp	Pump CR-Oil	Nov 13 1975	10501.0	1549.6	6.8	---	690.8	Pekisko Fm
00/06-03-029-23W4/00	Bhp	Pump CR-Oil	Oct 31 1981	0.0	0.0	0.0	---	0.0	Pekisko Fm
00/06-03-029-23W4/00	Bhp	Pump CR-Oil	Oct 17 1979	0.0	0.0	0.0	---	0.0	Pekisko Fm
00/06-03-029-23W4/00	Bhp	Pump CR-Oil	Oct 29 1980	8787.0	1555.1	5.7	---	576.0	Pekisko Fm
00/06-03-029-23W4/00	Bhp	Pump CR-Oil	Oct 29 1980	8878.0	1557.0	5.7	---	581.2	Pekisko Fm
00/06-03-029-23W4/00	Bhp	Pump CR-Oil	Oct 17 1979	9602.0	1558.7	6.2	---	628.0	Pekisko Fm

Field/Zone/Pool	Discovery Well	Initial Press	Mean Depth	H2S	CO2	EmD
CARBON ELLERSLIE H	Feb 04 2003	(kPa) 10570.0	(m) 1566.2	--	0.50%	(kg/m ³) 688.0

Well Identifier	Test	Status	Test Date	Pressure	Depth	Gradient	Gas	EmD	Formation
				(kPa)	(m)	(kPa/m)	(10 ³ m ³)	(kg/m ³)	
00/14-25-028-23W4/00	Aof	Flow Gas	Feb 10 2004	10566.0	1567.5	6.7	18.7	687.1	Ellerslie Mbr
00/14-25-028-23W4/00	Bhp	Flow Gas	Jun 14 2003	10566.0	1561.4	6.8	---	689.8	Ellerslie Mbr

Field/Zone/Pool	Discovery Well	Initial Press	Mean Depth	H2S	CO2	EmD
ENTICE EDM & BELLY RIV MU#1	May 12 2005	(kPa) 0.0	(m) 0.0	--	--	(kg/m ³) 0.0

Well Identifier	Test	Status	Test Date	Pressure	Depth	Gradient	Gas	EmD	Formation
				(kPa)	(m)	(kPa/m)	(10 ³ m ³)	(kg/m ³)	
00/11-21-028-23W4/00	Aof	Flow Gas	Jul 01 1975	2909.0	771.8	3.8	27.6	384.2	Belly River Grp
00/11-21-028-23W4/00	Aof	Flow Gas	Jul 02 1981	2244.0	771.8	2.9	16.0	296.4	Belly River Grp
00/11-21-028-23W4/00	Aof	Flow Gas	Jun 27 1985	1586.0	771.8	2.1	22.1	209.5	Belly River Grp
00/11-21-028-23W4/00	Bhp	Flow Gas	Jul 01 1975	2923.0	751.6	3.9	---	396.4	Belly River Grp
00/11-21-028-23W4/00	Bhp	Flow Gas	Jun 07 1981	2540.0	800.0	3.2	---	323.6	Belly River Grp
00/11-21-028-23W4/00	Bhp	Flow Gas	Jun 22 1983	1930.0	759.5	2.5	---	259.0	Belly River Grp
00/11-21-028-23W4/00	Bhp	Flow Gas	Jun 20 1985	1525.0	758.2	2.0	---	205.0	Belly River Grp
00/11-21-028-23W4/00	Bhp	Flow Gas	May 16 1991	922.0	759.6	1.2	---	123.7	Belly River Grp
00/11-21-028-23W4/00	Bhp	Flow Gas	Sep 23 1993	1775.0	867.5	2.0	---	208.6	Belly River Grp
00/10-22-028-23W4/00	Aof	Susp Gas	Aug 04 1981	3066.0	790.0	3.9	27.8	395.6	Basal Belly River Sd
00/10-22-028-23W4/00	Bhp	Susp Gas	Oct 17 1996	898.0	783.7	1.1	---	116.8	Basal Belly River Sd
00/07-23-028-23W4/02	Aof	Commin	Jun 08 2002	710.0	427.0	1.7	1.6	169.5	
00/07-23-028-23W4/02	Bhp	Commin	Jun 17 2002	602.0	419.1	1.4	---	146.4	

Mud Density Report

Area : 27-28-23W4 Radius : 2 miles

These tests have no Pool records.

Well Identifier	Test	Status	Test Date	Pressure (kPa)	Depth (m)	Gradient (kPa/m)	Gas (10 ³ m ³)	EmD (kg/m ³)	Formation
00/11-15-028-23W4/00	Dst	Abd	Mar 24 1975	951.0	442.0	2.2	---	219.3	
02/06-03-029-23W4/00	Dst	Flow Gas	Jun 20 1976	345.0	333.5	1.0	---	105.5	
02/06-03-029-23W4/02	Dst	Commin	Jun 20 1976	345.0	333.5	1.0	---	105.5	
02/14-25-028-23W4/00	Bhp	Commin	Feb 28 2003	1131.0	398.0	2.8	---	289.7	
02/14-25-028-23W4/00	Bhp	Commin	Jul 19 2003	682.0	230.3	3.0	---	301.9	
02/16-23-028-23W4/00	Bhp	Commin	May 28 2003	810.0	402.3	2.0	---	205.3	Edmonton Lower
00/11-21-028-23W4/00	Dst	Flow Gas	Sep 16 1974	7722.0	775.7	10.0	---	1014.8	Belly River Grp
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Oct 31 1975	0.0	0.0	0.0	---	0.0	Belly River Grp
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 01 1975	3013.0	599.8	5.0	---	512.1	Belly River Grp
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 12 1975	2910.0	673.3	4.3	---	440.6	Belly River Grp
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 13 1975	0.0	509.3	0.0	---	0.0	Belly River Grp
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 13 1975	1944.0	509.3	3.8	---	389.1	Belly River Grp
00/06-03-029-23W4/00	Aof	Pump CR-Oil	Jan 01 1976	2957.0	679.1	4.4	87.3	443.9	Belly River Grp
00/07-26-028-23W4/00	Dst	Flow Gas	Feb 05 1976	2848.0	719.6	4.0	---	403.4	Belly River Grp
00/07-26-028-23W4/00	Aof	Flow Gas	Mar 01 1976	2895.0	733.3	3.9	152.1	402.4	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Mar 01 1976	2896.0	726.0	4.0	---	406.6	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Mar 01 1976	2964.0	726.0	4.1	---	416.2	Belly River Grp
02/06-03-029-23W4/00	Dst	Flow Gas	Jun 21 1976	2337.0	498.0	4.7	---	478.4	Belly River Grp
02/06-03-029-23W4/02	Dst	Commin	Jun 21 1976	2337.0	498.0	4.7	---	478.4	Belly River Grp
02/06-03-029-23W4/00	Dst	Flow Gas	Jun 22 1976	1972.0	535.2	3.7	---	375.6	Belly River Grp
02/06-03-029-23W4/00	Dst	Flow Gas	Jun 22 1976	2199.0	535.2	4.1	---	418.8	Belly River Grp
02/06-03-029-23W4/02	Dst	Commin	Jun 22 1976	1972.0	535.2	3.7	---	375.6	Belly River Grp
02/06-03-029-23W4/02	Dst	Commin	Jun 22 1976	2199.0	535.2	4.1	---	418.8	Belly River Grp
02/06-03-029-23W4/00	Dst	Flow Gas	Jun 23 1976	2765.0	592.5	4.7	---	475.7	Belly River Grp
02/06-03-029-23W4/02	Dst	Commin	Jun 23 1976	2765.0	592.5	4.7	---	475.7	Belly River Grp
02/06-03-029-23W4/00	Dst	Flow Gas	Jun 25 1976	3254.0	720.2	4.5	---	460.6	Belly River Grp
02/06-03-029-23W4/02	Dst	Commin	Jun 25 1976	3254.0	720.2	4.5	---	460.6	Belly River Grp
02/06-03-029-23W4/00	Aof	Flow Gas	Oct 01 1976	2433.0	511.7	4.8	12.2	484.7	Belly River Grp
02/06-03-029-23W4/00	Aof	Flow Gas	Oct 01 1976	2895.0	612.0	4.7	14.5	482.2	Belly River Grp
02/06-03-029-23W4/00	Bhp	Flow Gas	Oct 01 1976	2165.0	507.8	4.3	---	434.6	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Apr 01 1978	2841.0	726.0	3.9	---	398.9	Belly River Grp
00/07-26-028-23W4/00	Aof	Flow Gas	Jul 03 1979	2687.0	733.3	3.7	97.3	373.5	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Jul 08 1979	2627.0	726.0	3.6	---	368.9	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Jul 08 1979	2665.0	729.3	3.7	---	372.5	Belly River Grp
00/06-27-028-23W4/00	Dst	Flow Gas	Aug 17 1979	404.0	776.1	0.5	---	53.1	Belly River Grp
00/06-27-028-23W4/00	Dst	Flow Gas	Aug 18 1979	2443.0	729.1	3.4	---	341.6	Belly River Grp
00/06-27-028-23W4/00	Aof	Flow Gas	Oct 03 1979	2604.0	730.0	3.6	108.0	363.6	Belly River Grp
00/06-27-028-23W4/00	Bhp	Flow Gas	Oct 09 1979	2605.0	692.5	3.8	---	383.5	Belly River Grp
00/11-28-028-23W4/00	Dst	Abd	Sep 20 1980	2737.0	776.7	3.5	---	359.2	Belly River Grp
00/10-22-028-23W4/00	Dst	Susp Gas	Oct 01 1980	3134.0	782.0	4.0	---	408.5	Belly River Grp
00/10-22-028-23W4/00	Dst	Susp Gas	Oct 01 1980	2279.0	737.0	3.1	---	315.2	Belly River Grp
00/10-22-028-23W4/02	Dst	Flowing CBM	Oct 01 1980	3134.0	782.0	4.0	---	408.5	Belly River Grp
00/10-22-028-23W4/02	Dst	Flowing CBM	Oct 01 1980	2279.0	737.0	3.1	---	315.2	Belly River Grp
00/10-22-028-23W4/03	Dst	Commin	Oct 01 1980	3134.0	782.0	4.0	---	408.5	Belly River Grp
00/10-22-028-23W4/03	Dst	Commin	Oct 01 1980	2279.0	737.0	3.1	---	315.2	Belly River Grp
00/06-27-028-23W4/00	Bhp	Flow Gas	Jun 17 1981	2163.0	698.2	3.1	---	315.8	Belly River Grp
00/06-27-028-23W4/00	Aof	Flow Gas	Jul 01 1981	2157.0	730.0	3.0	55.8	301.2	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Sep 09 1981	2175.0	729.9	3.0	---	303.8	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Jul 28 1982	2220.0	745.5	3.0	---	303.6	Belly River Grp
00/07-26-028-23W4/00	Aof	Flow Gas	Apr 16 1985	1567.0	733.3	2.1	63.3	217.8	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Apr 24 1985	1539.0	726.0	2.1	---	216.1	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Apr 24 1985	1531.0	713.0	2.1	---	218.9	Belly River Grp
00/10-22-028-23W4/02	Bhp	Flowing CBM	Jun 20 1985	1589.0	734.2	2.2	---	220.6	Belly River Grp
00/10-22-028-23W4/02	Aof	Flowing CBM	Oct 09 1987	1223.0	742.0	1.6	35.8	168.0	Belly River Grp
00/06-27-028-23W4/00	Aof	Flow Gas	Oct 09 1987	1235.0	730.0	1.7	35.5	172.5	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Apr 13 1988	1168.0	727.1	1.6	---	163.7	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Oct 27 1988	1121.0	726.1	1.5	---	157.4	Belly River Grp
00/10-22-028-23W4/00	Bhp	Susp Gas	Jan 11 1997	1074.0	790.0	1.4	---	138.6	Belly River Grp
00/10-22-028-23W4/00	Bhp	Susp Gas	Jan 11 1997	1026.0	769.0	1.3	---	136.0	Belly River Grp
00/07-26-028-23W4/00	Bhp	Flow Gas	Feb 25 1997	752.0	726.0	1.0	---	105.6	Belly River Grp

Mud Density Report

Area : 27-28-23W4 Radius : 2 miles

Well Identifier	Test	Status	Test Date	Pressure (kPa)	Depth (m)	Gradient (kPa/m)	Gas (10 ³ m ³)	EmD (kg/m ³)	Formation
00/07-26-028-23W4/00	Bhp	Flow Gas	Jul 27 1998	731.0	726.1	1.0	----	102.6	Belly River Grp
02/06-27-028-23W4/00	Bhp	Flow Gas	Dec 11 1999	7967.0	1341.7	5.9	----	605.3	Belly River Grp
02/06-27-028-23W4/00	Aof	Flow Gas	Jul 25 2000	7967.0	1347.5	5.9	11.6	602.7	Belly River Grp
00/05-25-028-23W4/00	Bhp	Flow Gas	Mar 15 2003	4003.0	1340.9	3.0	----	304.3	Belly River Grp
00/06-33-028-23W4/00	Bhp	Test Gas	Dec 17 2003	1139.0	1330.5	0.9	----	87.3	Belly River Grp
00/06-33-028-23W4/00	Bhp	Test Gas	Jan 16 2004	1143.0	1330.8	0.9	----	87.6	Belly River Grp
00/05-23-028-23W4/00	Aof	Flow Gas	Feb 14 2005	0.0	1355.0	0.0	----	0.0	Belly River Grp
02/06-03-029-23W4/00	Aof	Flow Gas	Sep 01 1976	3130.0	744.3	4.2	27.8	428.7	Basal Belly River Sd
02/06-03-029-23W4/00	Bhp	Flow Gas	Sep 01 1976	2951.0	739.7	4.0	----	406.7	Basal Belly River Sd
02/06-03-029-23W4/00	Bhp	Flow Gas	Jun 18 1981	737.0	738.2	1.0	----	101.8	Basal Belly River Sd
02/06-03-029-23W4/00	Aof	Flow Gas	Oct 19 1983	683.0	744.3	0.9	18.3	93.5	Basal Belly River Sd
02/06-03-029-23W4/00	Bhp	Flow Gas	Dec 19 1983	666.0	749.0	0.9	----	90.6	Basal Belly River Sd
02/06-03-029-23W4/00	Bhp	Flow Gas	Dec 19 1983	613.0	664.0	0.9	----	94.1	Basal Belly River Sd
00/07-26-028-23W4/00	Dst	Flow Gas	Feb 11 1976	724.0	1312.8	0.6	----	56.2	Second White Specks
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 04 1975	965.0	1305.8	0.7	----	75.3	Base Fish Scales Zone
00/10-35-028-23W4/00	Dst	Abd Gas	Nov 02 1976	8019.0	1338.1	6.0	----	610.9	Base Fish Scales Zone
00/10-35-028-23W4/00	Bhp	Abd Gas	Nov 17 1976	7928.0	1322.4	6.0	----	611.1	Base Fish Scales Zone
00/10-35-028-23W4/00	Bhp	Abd Gas	Nov 23 1976	7954.0	1336.2	6.0	----	606.8	Base Fish Scales Zone
00/10-35-028-23W4/00	Bhp	Abd Gas	Nov 23 1976	7998.0	1336.0	6.0	----	610.2	Base Fish Scales Zone
00/10-35-028-23W4/00	Aof	Abd Gas	Dec 08 1976	8102.0	1341.1	6.0	16.2	615.8	Base Fish Scales Zone
00/10-35-028-23W4/00	Bhp	Abd Gas	Sep 10 1981	5018.0	1336.4	3.8	----	382.8	Base Fish Scales Zone
00/10-35-028-23W4/00	Bhp	Abd Gas	Sep 10 1981	4674.0	1296.0	3.6	----	367.6	Base Fish Scales Zone
00/10-35-028-23W4/00	Bhp	Abd Gas	Jul 28 1982	5317.0	1340.0	4.0	----	404.5	Base Fish Scales Zone
00/10-35-028-23W4/00	Bhp	Abd Gas	Jun 27 1993	4612.0	1342.0	3.4	----	350.3	Base Fish Scales Zone
00/07-26-028-23W4/00	Aof	Flow Gas	Mar 07 1994	4374.0	1357.0	3.2	6.7	328.6	Base Fish Scales Zone
00/07-26-028-23W4/00	Bhp	Flow Gas	Mar 07 1994	4358.0	1347.1	3.2	----	329.8	Base Fish Scales Zone
00/07-26-028-23W4/00	Bhp	Flow Gas	Mar 07 1994	4532.0	1347.1	3.4	----	342.9	Base Fish Scales Zone
00/07-26-028-23W4/00	Bhp	Flow Gas	Sep 16 1994	2876.0	1340.2	2.1	----	218.8	Base Fish Scales Zone
02/07-26-028-23W4/00	Bhp	Flow Gas	Mar 20 1997	3663.0	1345.3	2.7	----	277.6	Base Fish Scales Zone
00/08-32-028-23W4/00	Dst	Abd	Apr 14 1994	1787.0	1346.3	1.3	----	135.3	Vking Fm
00/13-21-028-23W4/00	Bhp	Abzone	Jan 26 1998	2285.0	1377.2	1.7	----	169.1	Vking Fm
00/09-34-028-23W4/00	Bhp	Commin	Feb 03 1998	6981.0	1335.9	5.2	----	532.7	Vking Fm
00/01-28-028-23W4/00	Bhp	Flow Gas	Dec 17 1999	7856.0	1352.2	5.8	----	592.2	Vking Fm
00/01-33-028-23W4/00	Bhp	Flow Gas	Dec 17 1999	6363.0	1333.2	4.8	----	486.5	Vking Fm
00/01-33-028-23W4/00	Bhp	Flow Gas	Dec 28 1999	1943.0	1328.9	1.5	----	149.0	Vking Fm
00/02-22-028-23W4/00	Bhp	Flow Gas	Feb 10 2000	7996.0	1364.3	5.9	----	597.4	Vking Fm
00/02-22-028-23W4/00	Aof	Flow Gas	Jul 25 2000	7996.0	1371.0	5.8	9.8	594.5	Vking Fm
00/01-28-028-23W4/00	Aof	Flow Gas	Jul 25 2000	7856.0	1358.0	5.8	35.1	589.7	Vking Fm
00/01-33-028-23W4/00	Aof	Flow Gas	Sep 24 2000	6345.0	1339.0	4.7	17.3	483.0	Vking Fm
00/09-15-028-23W4/00	Bhp	Abzone Gas	Nov 01 2003	7413.0	1430.9	5.2	----	528.1	Vking Fm
00/09-15-028-23W4/00	Aof	Abzone Gas	Mar 18 2004	7414.0	1437.0	5.2	13.0	525.9	Vking Fm
00/13-34-028-23W4/00	Bhp	Abzone Gas	Jun 29 2003	5024.0	1321.1	3.8	----	387.7	Vking Sandstone
00/02-34-028-23W4/00	Bhp	Flow Gas	Aug 20 2003	1441.0	1319.9	1.1	----	111.3	Vking Sandstone
00/02-34-028-23W4/00	Aof	Flow Gas	Jan 23 2004	1441.0	1326.0	1.1	12.8	110.8	Vking Sandstone
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 12 1975	9342.0	1487.1	6.3	----	640.4	Mannville Grp
00/07-26-028-23W4/00	Dst	Flow Gas	Feb 12 1976	9653.0	1598.1	6.0	----	615.7	Lower Mannville Fm
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 11 1975	11204.0	1547.5	7.2	----	738.0	Pekisko Fm
00/06-03-029-23W4/00	Dst	Pump CR-Oil	Nov 13 1975	10963.0	1553.6	7.1	----	719.3	Pekisko Fm
00/11-28-028-23W4/00	Dst	Abd	Sep 18 1980	7504.0	0.0	0.0	----	0.0	Pekisko Fm
00/11-28-028-23W4/00	Dst	Abd	Sep 19 1980	0.0	1585.7	0.0	----	0.0	Pekisko Fm
00/11-28-028-23W4/00	Dst	Abd	Sep 19 1980	9514.0	1583.7	6.0	----	612.4	Pekisko Fm
00/13-34-028-23W4/00	Bhp	Abzone Gas	Feb 25 2003	8105.0	1563.8	5.2	----	528.3	Pekisko Fm