UNCONVENTIONAL GAS AND OIL DEVELOPMENT,
LIARD BASIN, NORTHEASTERN B.C.

FORMATION WATER ANALYSIS DATA

Well Identifier	Water Analysis #	Interval Top (m)	Interval Bottom (m)	PRCL Calculated TDS (mg/l)	PRCL Interpretation	PRCL Interpreted Formation	Date Sampled	Test Type	pH	Resistivity (Ohm-m)	Resistivity Temp. (°C)	Sodium (mg/l)	Potassium (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Barium (mg/l)	Strontium (mg/l)	Iron (mg/l)	Boron (mg/l)	Chloride (mg/l)	Bromide (mg/l)	Iodide (mg/l)	Bicarbonate (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Hydroxide (mg/l)	Hydrogen Sulfide (mg/l)	Cation/Anion Balance
200/d-035-G 094-O-04/00	1	1356.7	1370.7	24346	Formation water	Scatter		DST	7.2	0.3	20	8869		284	92					13527			1510	64				1.00
200/a-096-J 094-O-14/00	5	1364	1380	16873	Formation water	Chinkeh	1/21/2002	DST	8.1	0.48	25	6045	39	19	27					8747			1586	410				0.95
200/c-037-G 094-O-06/00	1	320	340.2	22240	Formation water	Fantasque	3/12/1974	DST	7.1	0.35	)ATA -- MAT	7817		229	111					10970			3070	43				1.00
200/c-024-H 094-O-11/00	2	606.6	625.8	11557	Formation water	Fantasque	2/21/1973	DST	7.3	0.65	20	3974		86	48					4975			2420	54				1.00
200/d-024-J 094-O-06/00	2	489	503	23701	Formation water	Mattson	12/3/1999	DST	7.8	0.3	25	7930	70.1	228	117					11996			3339.8	20.3				0.94
200/d-024-J 094-O-06/00	4	474	488	19304	Formation water	Mattson	12/4/1999	DST	7.3	0.37	25	6460	57	169	86					9430			3034.8	67.5				0.94
200/d-092-J 094-O-06/00	1	1396	1411.2	27320	Formation water	Mattson	2/20/1978	DST	8.0	0.25	25	10023		200	152					15200			1465	280				1.00
200/a-045-E 094-O-10/00	2	832.1	862.6	20314	Formation water	Mattson	1/20/1974	DST	7.4	0.31	25	7209		168	87					10010			2780	60				1.00
200/a-078-L 094-O-10/00	3	1027.2	1051.6	24479	Formation water	Mattson	2/5/1973	DST	7.2	0.34	20	8701		263	124					12642			2700	49				1.00
200/d-067-A 094-O-11/00	1	463.6	483.4	25074	Formation water	Mattson	2/16/1974	DST	7.0	0.26	25	9069		76	117					12580			3200	32				1.00
200/a-026-B 094-O-11/00	1	1813	1822.1	13251	Formation water	Mattson		DST	8.1	1.18	20	3708		728	86					4200			1810	2719				1.00
200/b-085-H 094-O-11/00	5	1289.3	1325.9	27565	Formation water	Mattson	3/18/1972	DST	8.0	0.25	20	10039		362	137					15800			1150	77				1.00
200/b-085-H 094-O-11/00	3	969.3	1005.8	21737	Formation water	Mattson	3/3/1972	DST	7.9	0.4	20	7640		303	102					11100			2538	54				1.00
200/a-096-J 094-O-14/00	19	1768.5	1777.5	25024	Formation water	Mattson	2/15/2002	DST	7.7	0.3	25	8880	123	137	79					14246			1269	290				0.94
200/b-083-K 094-O-14/00	16	2100.5	2107.5	34095	Formation water	Mattson	3/31/2002	DST	7.1	0.19	25	12803	99	348	260					19338			770	477				1.05
200/b-083-K 094-O-14/00	9	1906	1915	16165	Formation water	Mattson	3/28/2002	DST	8.2	0.47	25	5717	61	32.1	12.4			0.7		7857			2043.5	441				0.96
200/a-002-D 094-O-15/00	4	490.7	495.6	12497	Formation water	Mattson	2/23/1974	DST	7.3	0.58	25	4102		67	34					4110			4170	14				1.00
200/d-036-H 094-N-15/00	5	2435.4	2694.4	15206	Formation water	Undifferentiated Rundle	7/14/1971	DST	7.2	0.43	24	4828		820	47					8238			937	336				1.00
200/a-057-D 094-O-03/00	3	1018	1030	25207	Formation water	Undifferentiated Rundle	1/19/2002	DST	7.4	0.26	25	8227	68	889	219	0.5	216	45		14195			737	610				1.01
200/a-078-L 094-O-10/00	5	1098.8	1143	15623	Formation water	Undifferentiated Rundle	2/5/1973	DST	7.2	0.51	20	5523		102	65					7436			2490	7				1.00
200/a-069-J 094-J-12/00	1	3273.6	3297.9	33639	Formation water	Chinchaga	3/24/1972	DST	6.7	0.21	20	10200		2163	340					20250			510	176				0.99
200/d-099-G 094-J-14/00	1	2142.7	2225	40247	Formation water	Chinchaga	1/20/1972	DST	6.2	0.23	20	12527		2262	299					21900			680	2579				1.00
200/d-030-K 094-J-14/00	2	2240.3	2289	67472	Formation water	Chinchaga		DST	6.6	0.13	20	20410		4925	365					40400			960	412				1.00
200/b-097-A 094-O-03/00	3	2094	2109.5	92937	Formation water	Chinchaga		DST	7.1	0.1	20	27284		6080	1617					57000			930	26				1.00
200/b-021-G 094-O-06/00	5	2636.5	2647.2	96100	Formation water	Chinchaga	3/15/1972	DST	6.3	0.1	20	28369		7355	756					58000			1390	230				1.00
200/c-015-I 094-O-06/00	6	2758.4	2834.6	115769	Formation water	Chinchaga	3/25/1963	DST	6.0	0.07	25	33314		9850	840					70420			1095	250				1.00