



Exploration Technologies, Inc.

3698 Westchase Drive Houston, Texas 77042 (713) 785 - 0393 FAX (713) 785 - 1550

99 - 2119 - PLAYA VISTA

TABLE 4
SUMMARY OF LIGHT GAS ANALYSES OF FREE GAS FROM 50-FOOT GRAVEL AQUIFER

SAMPLE NO.	DATE	METHANE(%)	METHANE(ppmv)	ETHANE(ppmv)	ETHYLENE(ppmv)	PROPANE(ppmv)	PROPYLENE(ppmv)	ISO-BUTANE(ppmv)	N-BUTANE(ppmv)
Area B Wells									
MMW509-FG-1	04/05/00	0.40	*	2	0.02	0.10	<0.01	<0.01	<0.01
AVERAGE - MMW509		0.40	*	2	0.02	0.10	*	*	*
MMW514-FG-1	03/23/00	76.73	*	4815	0.06	60.90	0.10	5.85	0.14
MMW514-FG-2	03/23/00	73.72	*	5000	0.02	53.40	0.07	5.36	0.15
MMW514-FG-3	03/23/00	71.96	*	4911	<0.01	49.70	0.09	5.15	0.13
AVERAGE - MMW514		74.14	*	4909	0.04	54.67	0.09	5.45	0.14
MMW520-FG-2	03/24/00	87.75	*	4743	<0.01	63.30	0.09	6.87	0.24
MMW520-FG-3	03/24/00	87.79	*	4839	<0.01	63.40	0.09	7.01	0.26
MMW520-FG-4	03/24/00	87.90	*	4682	<0.01	63.50	0.08	7.01	0.32
AVERAGE - MMW520		87.81	*	4755	*	63.40	0.09	6.96	0.27
MMW542-FG-2	03/23/00	93.15	*	5266	<0.01	88.60	0.23	10.90	0.30
MMW542-FG-3	03/23/00	92.92	*	5294	<0.01	88.60	0.19	10.80	0.28
MMW542-FG-4	03/23/00	93.17	*	5135	<0.01	89.10	0.16	10.98	0.28
AVERAGE - MMW542		93.08	*	5232	*	88.77	0.19	10.89	0.29
Tract -01 Wells									
MMW1-FG-1	02/05/2000	55.60	*	923	0.12	1.74	0.17	0.24	0.15
MMW1-FG-2	02/05/2000	52.70	*	940	<0.01	1.80	0.11	0.27	0.13
AVERAGE - MMW1		54.15	*	932	0.12	1.77	0.14	0.26	0.14
MMW153-FG-1	03/09/00	97.35	*	4393	<0.01	95.70	<0.01	9.59	2.00
MMW153-FG-2	03/09/00	98.63	*	4467	<0.01	95.70	<0.01	9.32	1.83
MMW153-FG-3	03/09/00	96.41	*	4375	<0.01	96.80	<0.01	9.33	1.91
AVERAGE - MMW153		97.46	*	4412	*	96.07	*	9.41	1.91
MMW175-FG-2	03/10/00	95.66	*	3997	<0.01	93.80	<0.01	10.10	2.67
MMW175-FG-3	03/10/00	96.85	*	4085	<0.01	94.60	<0.01	10.50	2.57
MMW175-FG-4	03/10/00	94.74	*	4062	<0.01	95.50	<0.01	10.30	2.56
AVERAGE - MMW175		95.75	*	4048	*	94.63	*	10.30	2.60
MMW2-FG-1	02/04/2000	61.60	*	2655	1.70	26.90	1.18	6.28	0.81
MMW2-FG-2	02/04/2000	61.40	*	2760	0.61	25.70	0.73	6.27	0.59
MMW2-FG-3	02/04/2000	61.40	*	2691	0.55	25.20	0.59	5.06	0.38
AVERAGE - MMW2		61.47	*	2702	0.95	25.93	0.83	5.87	0.59



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SAMPLE NO.	DATE	METHANE(%)	METHANE(ppmv)	ETHANE(ppmv)	ETHYLENE(ppmv)	PROPANE(ppmv)	PROPYLENE(ppmv)	ISO-BUTANE(ppmv)	N-BUTANE(ppmv)
MMW207-FG-2	03/14/00	93.97	*	3380	<0.01	47.10	0.12	5.56	0.56
MMW207-FG-3	03/14/00	94.08	*	3353	<0.01	47.10	0.10	5.58	0.56
MMW207-FG-4	03/14/00	94.28	*	3363	<0.01	48.10	0.12	5.69	0.55
AVERAGE - MMW207		94.11	*	3365	*	47.43	0.11	5.61	0.56
MMW211-FG-2	03/13/00	60.74	*	1226	<0.01	14.80	0.08	2.04	0.17
MMW211-FG-2	03/29/00	63.43	*	1118	<0.01	13.30	0.12	1.83	0.16
MMW211-FG-3	03/29/00	62.93	*	1353	<0.01	16.30	0.09	2.29	0.17
MMW211-FG-3	03/13/00	60.81	*	1177	<0.01	14.10	0.10	1.96	0.13
MMW211-FG-4	03/29/00	62.53	*	1365	<0.01	16.40	0.08	2.30	0.17
MMW211-FG-4	03/13/00	60.52	*	1210	<0.01	14.40	0.09	2.01	0.12
AVERAGE - MMW211		61.83	*	1242	*	14.88	0.09	2.07	0.15
MMW244-FG-2	03/10/00	87.06	*	3027	<0.01	42.50	<0.01	6.57	0.57
MMW244-FG-3	03/10/00	88.30	*	3041	<0.01	42.30	<0.01	6.62	0.51
MMW244-FG-4	03/10/00	88.74	*	3048	<0.01	42.70	<0.01	6.73	0.56
AVERAGE - MMW244		88.03	*	3039	*	42.50	*	6.64	0.55
MMW3-FG-2	02/04/2000	87.60	*	3430	0.14	68.90	1.16	6.91	1.85
MMW3-FG-3	02/04/2000	86.80	*	3492	0.05	69.60	0.89	7.07	1.76
MMW3-FG-4	02/04/2000	87.50	*	3557	0.03	71.50	0.78	7.26	1.74
AVERAGE - MMW3		87.30	*	3493	0.07	70.00	0.94	7.08	1.78
MMW4-FG-2	02/04/2000	91.30	*	4872	<0.01	98.40	0.10	10.00	0.82
MMW4-FG-3	02/04/2000	89.90	*	4881	<0.01	98.30	0.11	9.93	0.81
MMW4-FG-4	02/04/2000	89.90	*	4813	<0.01	97.20	0.11	9.70	0.80
AVERAGE - MMW4		90.37	*	4855	*	97.97	0.11	9.88	0.81
MMW676-FG-2	03/16/00	69.01	*	1090	<0.01	4.96	0.09	0.47	0.06
MMW676-FG-3	03/16/00	68.87	*	1083	<0.01	4.97	0.10	0.46	0.02
MMW676-FG-4	03/16/00	68.59	*	1074	<0.01	4.94	0.07	0.45	0.04
AVERAGE - MMW676		68.82	*	1082	*	4.96	0.09	0.46	0.04
MMW735-FG-1	03/10/00	30.32	*	651	<0.01	2.05	<0.01	0.51	<0.01
MMW735-FG-2	03/10/00	30.71	*	653	<0.01	2.06	<0.01	0.47	<0.01
AVERAGE - MMW735		30.52	*	652	*	2.05	*	0.49	*
MMW738-FG-2	03/15/00	65.97	*	1252	<0.01	10.30	0.08	0.95	0.04
MMW738-FG-3	03/15/00	65.69	*	1253	<0.01	10.30	0.05	0.94	0.03



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SAMPLE NO.	DATE	METHANE(%)	METHANE(ppmv)	ETHANE(ppmv)	ETHYLENE(ppmv)	PROPANE(ppmv)	PROPYLENE(ppmv)	ISO-BUTANE(ppmv)	N-BUTANE(ppmv)
MMW738-FG-4	03/15/00	65.34	*	1236	<0.01	10.10	0.08	0.96	0.03
AVERAGE - MMW738		65.67	*	1247	*	10.23	0.07	0.95	0.03
MMW743-FG-1	03/11/00	31.07	*	1439	14.00	47.60	<0.01	5.39	<0.01
AVERAGE - MMW743		31.07	*	1439	14.00	47.60	*	5.39	*
Tract -02 Wells									
MMW912-FG-2	03/12/00	93.71	*	4303	0.81	87.80	0.11	9.64	3.66
MMW912-FG-3	03/12/00	93.81	*	4250	0.82	87.70	0.07	9.51	3.56
MMW912-FG-4	03/12/00	93.87	*	4520	0.88	89.50	0.08	9.81	3.78
AVERAGE - MMW912		93.80	*	4358	0.84	88.33	0.09	9.65	3.67
MMW921-FG-2	03/12/00	87.98	*	5090	<0.01	127.00	0.07	12.80	4.45
MMW921-FG-3	03/12/00	88.25	*	5174	<0.01	131.00	0.06	13.40	4.71
MMW921-FG-4	03/12/00	87.90	*	5236	<0.01	131.00	0.06	13.30	4.72
AVERAGE - MMW921		88.04	*	5167	*	129.67	0.06	13.17	4.63
MMW928-FG-1	03/14/00	91.18	*	6064	5.83	53.90	0.31	5.48	1.99
MMW928-FG-2	03/14/00	91.14	*	6078	11.20	127.00	0.44	14.70	5.45
MMW928-FG-3	03/14/00	91.09	*	5928	10.90	123.00	0.36	14.30	5.36
MMW928-FG-4	03/14/00	91.16	*	5871	10.20	123.00	0.34	14.70	5.37
AVERAGE - MMW928		91.14	*	5985	9.53	106.72	0.36	12.30	4.54
MMW944-FG-1	03/15/00	89.80	*	4265	1.44	70.70	0.12	8.02	2.48
MMW944-FG-2	03/15/00	90.20	*	4127	1.25	71.70	0.14	8.15	2.54
MMW944-FG-3	03/15/00	89.61	*	4299	1.23	73.10	0.13	8.41	2.63
MMW944-FG-4	03/15/00	90.06	*	4266	1.16	73.70	0.14	8.51	2.68
AVERAGE - MMW944		89.92	*	4239	1.27	72.30	0.13	8.27	2.58
Tract -03 Wells									
MMW39-FG-1	03/15/00	8.88	*	78	0.21	0.82	0.19	0.15	0.27
MMW39-FG-2	03/15/00	9.14	*	85	0.22	0.86	0.19	0.13	0.23
AVERAGE - MMW039		9.01	*	81	0.22	0.84	0.19	0.14	0.25
MMW46-FG-2	03/16/00	80.59	*	1456	<0.01	5.52	0.05	0.33	0.05
MMW46-FG-3	03/16/00	80.19	*	1467	<0.01	5.67	0.05	0.31	0.06
MMW46-FG-4	03/16/00	80.31	*	1469	<0.01	5.77	0.06	0.33	0.03
AVERAGE - MMW046		80.36	*	1464	*	5.65	0.05	0.32	0.05



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SAMPLE NO.	DATE	METHANE(%)	METHANE(ppmv)	ETHANE(ppmv)	ETHYLENE(ppmv)	PROPANE(ppmv)	PROPYLENE(ppmv)	ISO-BUTANE(ppmv)	N-BUTANE(ppmv)
MMW77-FG-2	03/14/00	85.62	*	3371	<0.01	48.80	0.12	3.38	0.53
MMW77-FG-3	03/14/00	85.69	*	3337	<0.01	48.10	0.09	3.31	0.51
MMW77-FG-4	03/14/00	85.53	*	3301	<0.01	48.30	0.09	3.33	0.47
AVERAGE - MMW077		85.61	*	3336	*	48.40	0.10	3.34	0.50
MMW82-FG-1	03/16/00	81.83	*	2958	<0.01	28.90	0.10	2.53	0.13
MMW82-FG-2	03/16/00	83.23	*	2945	<0.01	28.70	0.07	2.45	0.12
MMW82-FG-3	03/16/00	83.05	*	2917	<0.01	27.90	0.06	2.32	0.07
MMW82-FG-4	03/16/00	83.17	*	2866	<0.01	27.70	0.07	2.37	0.14
AVERAGE - MMW082		82.82	*	2922	*	28.30	0.08	2.42	0.12
MMW103-FG-2	03/14/00	76.93	*	1923	<0.01	21.20	0.10	1.82	0.20
MMW103-FG-3	03/14/00	76.91	*	1895	<0.01	21.30	0.12	1.85	0.18
MMW103-FG-4	03/14/00	76.96	*	1860	<0.01	21.10	0.08	1.84	0.16
AVERAGE - MMW103		76.93	*	1893	*	21.20	0.10	1.84	0.18
MMW112-FG-2	03/14/00	90.09	*	4885	<0.01	74.20	0.12	7.38	0.29
MMW112-FG-3	03/14/00	90.37	*	4878	<0.01	74.00	0.10	7.39	0.22
MMW112-FG-4	03/14/00	90.39	*	4819	<0.01	74.30	0.08	7.49	0.27
AVERAGE - MMW112		90.28	*	4861	*	74.17	0.10	7.42	0.26
MW1-FG-1	10/02/99	71.79	*	1966	0.28	23.29	0.42	1.82	0.50
MW1-FG-3	10/02/99	74.72	*	1963	<0.01	24.50	0.14	1.79	0.24
MW1-FG-5	10/02/99	74.80	*	1953	<0.01	25.80	0.12	1.84	0.13
AVERAGE - MW1		73.77	*	1961	0.28	24.53	0.23	1.82	0.29
MW2-FG-1	10/03/99	78.14	*	1347	<0.01	8.25	0.08	0.52	0.10
MW2-FG-3	10/03/99	77.87	*	1442	<0.01	9.45	0.08	0.57	0.11
MW2-FG-3K	10/03/99	77.82	*	1452	<0.01	9.48	0.07	0.61	0.08
MW2-FG-5	10/03/99	78.23	*	1498	<0.01	9.12	0.08	0.59	0.10
MW2-FG-8	10/03/99	77.62	*	1472	<0.01	9.44	0.07	0.59	0.05
AVERAGE - MW2		77.94	*	1442	*	9.15	0.08	0.58	0.09
MW3-FG-1	10/01/99	70.29	*	817	0.94	2.60	0.64	0.22	0.59
MW3-FG-2	10/01/99	69.73	*	938	0.24	2.24	0.33	0.16	0.33
MW3-FG-5	10/01/99	69.45	*	1036	<0.01	1.91	0.17	0.12	0.16
MW3-FG-7	10/01/99	68.79	*	1010	<0.01	1.91	0.18	0.14	0.17
AVERAGE - MW3		69.57	*	950	0.59	2.17	0.33	0.16	0.31



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MW4A-FG-1	10/13/99	74.58	*	2014	0.44	33.00	0.34	2.71	0.52
MW4A-FG-3	10/14/99	74.48	*	2017	0.05	32.90	0.23	2.73	0.44
MW4A-FG-5	10/14/99	74.77	*	2053	0.03	33.40	0.18	2.76	0.42
AVERAGE - MW4A		74.61	*	2028	0.17	33.10	0.25	2.73	0.46
MW5A-FG-1	10/12/99	80.46	*	3028	1.05	58.10	0.38	4.56	0.92
MW5A-FG-3	10/12/99	80.46	*	2704	0.03	59.00	0.12	4.70	0.82
MW5A-FG-5	10/12/99	80.79	*	3040	<0.01	59.70	0.10	4.72	0.78
AVERAGE - MW5A		80.57	*	2924	0.54	58.93	0.20	4.66	0.84
Tract -05 Wells									
MMW226-FG-1	03/08/00	99.00	*	3629	<0.01	44.90	<0.01	6.10	0.89
MMW226-FG-2	03/08/00	96.30	*	3412	<0.01	45.10	<0.01	6.74	0.95
MMW226-FG-3	03/08/00	97.50	*	3445	<0.01	44.90	<0.01	8.89	1.44
AVERAGE - MMW226		97.60	*	3495	*	44.97	*	7.24	1.09
MMW272-FG-1	03/16/00	0.29	*	5	0.04	0.12	0.10	<0.01	<0.01
AVERAGE - MMW272		0.29	*	5	0.04	0.12	0.10	*	*
MMW276-FG-2	03/13/00	39.81	*	1555	<0.01	8.43	0.06	0.83	0.31
MMW276-FG-3	03/13/00	40.87	*	1731	<0.01	8.55	0.07	0.99	0.07
MMW276-FG-4	03/13/00	40.54	*	1743	<0.01	8.22	0.06	1.12	0.05
AVERAGE - MMW276		40.41	*	1676	*	8.40	0.06	0.98	0.14
Tract -06 Wells									
MMW319-FG-1	03/14/00	0.43	*	1	0.15	0.26	0.10	0.10	0.07
AVERAGE - MMW319		0.43	*	1	0.15	0.26	0.10	0.10	0.07
MMW331-FG-2	03/13/00	45.47	*	830	<0.01	9.73	0.06	1.28	0.04
MMW331-FG-3	03/13/00	43.74	*	805	<0.01	9.30	0.07	1.28	0.06
MMW331-FG-4	03/13/00	43.75	*	811	<0.01	9.37	0.07	1.30	0.06
AVERAGE - MMW331		44.32	*	815	*	9.47	0.07	1.29	0.05
MMW362-FG-1	03/13/00	*	190.9	1	0.11	0.12	0.04	0.02	0.03
MMW362-FG-2	03/13/00	*	165.7	0	0.07	0.07	0.03	0.02	0.03
MMW362-FG-3	03/13/00	*	156.5	0	0.06	0.05	0.03	0.02	0.02
MMW362-FG-4	03/13/00	*	151.4	0	0.05	0.05	0.03	<0.01	<0.01
AVERAGE - MMW362		*	166.1	0	0.07	0.07	0.03	0.02	0.03



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MMW803-FG-1	03/13/00	46.70	*	2618	15.70	184.00	0.12	20.50	1.08
AVERAGE - MMW803		46.70	*	2618	15.70	184.00	0.12	20.50	1.08
MMW813-FG-2	03/13/00	85.45	*	2572	<0.01	62.10	0.05	9.14	0.43
MMW813-FG-3	03/13/00	85.57	*	2546	<0.01	64.30	0.05	9.57	0.45
MMW813-FG-4	03/13/00	85.42	*	2590	<0.01	64.40	0.06	9.43	0.42
AVERAGE - MMW813		85.48	*	2569	*	63.60	0.05	9.38	0.43