



Exploration Technologies, Inc.

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

99 - 2119 - PLAYA VISTA

TABLE 3
SUMMARY OF LIGHT GAS ANALYSES OF GROUNDWATER FROM 50-FOOT GRAVEL AQUIFER

SAMPLE NO.	DATE	METHANE(mg/l)	METHANE(ug/l)	ETHANE(ng/l)	ETHYLENE(ng/l)	PROPANE(ng/l)	PROPYLENE(ng/l)	ISO-BUTANE(ng/l)	N-BUTANE(ng/l)
Area B Wells									
MMW514-GW-2	03/23/00	16.87	*	305556	6.00	3782.00	30.00	401.00	24.00
MMW514-GW-3	03/23/00	14.28	*	269199	<5	3168.00	37.00	321.00	20.00
MMW514-GW-4	03/23/00	16.26	*	302560	<5	3486.00	49.00	386.00	22.00
AVERAGE - MMW514		15.80	*	292438	6.00	3478.67	38.67	369.33	22.00
MMW520-GW-2	03/24/00	33.72	*	468944	<5	7920.00	43.00	1015.00	36.00
MMW520-GW-3	03/24/00	27.92	*	399187	<5	6604.00	40.00	833.00	43.00
MMW520-GW-4	03/24/00	25.98	*	368802	<5	6120.00	42.00	772.00	37.00
AVERAGE - MMW520		29.21	*	412311	*	6881.33	41.67	873.33	38.67
MMW542-GW-2	03/23/00	27.04	*	404219	6.00	8510.00	73.00	1134.00	49.00
MMW542-GW-3	03/23/00	25.52	*	381592	<5	8063.00	62.00	1121.00	42.00
MMW542-GW-4	03/23/00	27.99	*	420065	<5	8891.00	63.00	1222.00	41.00
AVERAGE - MMW542		26.85	*	401959	6.00	8488.00	66.00	1159.00	44.00
Tract -01 Wells									
MMW1-GW-1	02/05/2000	14.36	*	60741	78.00	160.00	75.00	<10	<0.01
MMW1-GW-2	02/05/2000	15.91	*	69874	11.00	178.00	<10	<10	<0.01
AVERAGE - MMW1		15.14	*	65308	44.50	169.00	75.00	*	*
MMW153-GW-1	03/09/00	32.24	*	280906	<5	9363.00	<10	1076.00	347.00
MMW153-GW-2	03/09/00	30.54	*	270648	<5	8426.00	<10	934.00	218.00
MMW153-GW-3	03/09/00	28.79	*	261243	<5	8158.00	<10	919.00	242.00
AVERAGE - MMW153		30.52	*	270932	*	8649.00	*	976.33	269.00
MMW175-GW-2	03/10/00	*	64.0	743	30.00	32.00	<10	<10	<0.01
MMW175-GW-3	03/10/00	32.41	*	276487	<5	9092.00	<10	1098.00	295.00
MMW175-GW-4	03/10/00	33.50	*	292874	<5	9637.00	<10	1198.00	372.00
AVERAGE - MMW175		32.95	64.0	190035	30.00	6253.67	*	1148.00	333.50
MMW2-GW-1	02/04/00	15.97	*	197430	267.00	2243.00	267.00	599.00	101.00
MMW2-GW-2	02/04/00	16.42	*	204575	119.00	2229.00	175.00	598.00	74.00
MMW2-GW-3	02/04/00	17.36	*	213960	73.00	2276.00	167.00	656.00	79.00
AVERAGE - MMW2		16.58	*	205322	153.00	2249.33	203.00	617.67	84.67
MMW207-GW-2	03/14/00	32.89	*	312786	<5	5554.00	49.00	768.00	86.00
MMW207-GW-3	03/14/00	33.24	*	317893	<5	5622.00	46.00	754.00	61.00



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SAMPLE NO.	DATE	METHANE(mg/l)	METHANE(ug/l)	ETHANE(ng/l)	ETHYLENE(ng/l)	PROPANE(ng/l)	PROPYLENE(ng/l)	ISO-BUTANE(ng/l)	N-BUTANE(ng/l)
MMW207-GW-4	03/14/00	33.65	*	315964	<5	5637.00	41.00	755.00	68.00
AVERAGE - MMW207		33.26	*	315548	*	5604.33	45.33	759.00	71.67
MMW211-GW-2	03/13/00	14.63	*	77344	10.00	1183.00	44.00	189.00	34.00
MMW211-GW-2	03/29/00	17.90	*	50510	32.00	1244.00	54.00	238.00	48.00
MMW211-GW-3	03/29/00	16.01	*	58379	22.00	1233.00	60.00	234.00	45.00
MMW211-GW-3	03/13/00	17.07	*	61790	18.00	1181.00	68.00	210.00	33.00
MMW211-GW-4	03/29/00	18.82	*	78055	13.00	1469.00	40.00	255.00	35.00
MMW211-GW-4	03/13/00	16.88	*	63756	16.00	1185.00	39.00	232.00	26.00
AVERAGE - MMW211		16.89	*	64972	18.50	1249.17	50.83	226.33	36.83
MMW244-GW-2	03/10/00	21.81	*	153556	<5	3074.00	<10	550.00	49.00
MMW244-GW-3	03/10/00	22.19	*	154890	<5	3117.00	<10	595.00	86.00
MMW244-GW-4	03/10/00	20.85	*	145390	<5	2932.00	<10	530.00	<0.01
AVERAGE - MMW244		21.62	*	151279	*	3041.00	*	558.33	67.50
MMW3-GW-2	02/04/00	30.83	*	316415	36.00	7889.00	282.00	1004.00	304.00
MMW3-GW-3	02/04/00	26.51	*	288992	29.00	7017.00	238.00	836.00	236.00
MMW3-GW-4	02/04/00	34.78	*	356222	15.00	8857.00	221.00	1122.00	281.00
AVERAGE - MMW3		30.71	*	320543	26.67	7921.00	247.00	987.33	273.67
MMW4-GW-2	02/04/00	36.36	*	507129	<5	12777.00	41.00	1536.00	152.00
MMW4-GW-3	02/04/00	43.55	*	581335	<5	14993.00	63.00	1872.00	148.00
MMW4-GW-4	02/04/00	41.39	*	566550	<5	14451.00	61.00	1747.00	161.00
AVERAGE - MMW4		40.43	*	551671	*	14073.67	55.00	1718.33	153.67
MMW676-GW-2	03/16/00	12.39	*	46397	<5	290.00	24.00	29.00	<0.01
MMW676-GW-3	03/16/00	13.86	*	51082	<5	320.00	18.00	30.00	<0.01
MMW676-GW-4	03/16/00	16.30	*	59606	<5	372.00	26.00	50.00	<0.01
AVERAGE - MMW676		14.18	*	52362	*	327.33	22.67	36.33	*
MMW735-GW-1	03/10/00	7.01	*	36078	18.00	155.00	<10	<10	<0.01
MMW735-GW-2	03/10/00	7.75	*	41440	<5	184.00	<10	13.00	<0.01
AVERAGE - MMW735		7.38	*	38759	18.00	169.50	*	13.00	*
MMW738-GW-2	03/15/00	14.67	*	3674	10.00	229.00	32.00	86.00	13.00
MMW738-GW-3	03/15/00	16.20	*	1247	<5	116.00	33.00	66.00	<0.01
MMW738-GW-4	03/15/00	17.74	*	151	<5	99.00	28.00	92.00	12.00
AVERAGE - MMW738		16.20	*	1691	10.00	148.00	31.00	81.33	12.50



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SAMPLE NO.	DATE	METHANE(mg/l)	METHANE(ug/l)	ETHANE(ng/l)	ETHYLENE(ng/l)	PROPANE(ng/l)	PROPYLENE(ng/l)	ISO-BUTANE(ng/l)	N-BUTANE(ng/l)
MMW743-GW-1	03/11/00	7.05	*	79864	1687.00	2801.00	<10	263.00	<0.01
AVERAGE - MMW743		7.05	*	79864	1687.00	2801.00	*	263.00	*
Tract -02 Wells									
MMW912-GW-2	03/12/00	31.09	*	438409	<5	10971.00	52.00	1428.00	608.00
MMW912-GW-3	03/12/00	36.11	*	516090	<5	12927.00	44.00	1655.00	733.00
MMW912-GW-4	03/12/00	29.81	*	430717	<5	10793.00	32.00	1377.00	559.00
AVERAGE - MMW912		32.34	*	461739	*	11563.67	42.67	1486.67	633.33
MMW921-GW-2	03/12/00	30.04	*	538371	<5	16431.00	26.00	1991.00	788.00
MMW921-GW-3	03/12/00	33.33	*	582914	<5	18086.00	38.00	2216.00	941.00
MMW921-GW-4	03/12/00	29.76	*	531617	<5	16456.00	29.00	1992.00	825.00
AVERAGE - MMW921		31.04	*	550967	*	16991.00	31.00	2066.33	851.33
MMW928-GW-1	03/14/00	12.42	*	235488	1167.00	5443.00	102.00	583.00	259.00
MMW928-GW-2	03/14/00	11.92	*	234162	1019.00	5292.00	95.00	523.00	249.00
MMW928-GW-3	03/14/00	12.98	*	251190	1027.00	5831.00	87.00	588.00	271.00
MMW928-GW-4	03/14/00	12.30	*	242894	971.00	5606.00	98.00	571.00	270.00
AVERAGE - MMW928		12.41	*	240934	1046.00	5543.00	95.50	566.25	262.25
MMW944-GW-1	03/15/00	28.73	*	349464	204.00	7312.00	34.00	1064.00	371.00
MMW944-GW-2	03/15/00	27.54	*	347491	214.00	7137.00	46.00	952.00	341.00
MMW944-GW-3	03/15/00	27.67	*	347729	211.00	7251.00	56.00	979.00	340.00
MMW944-GW-4	03/15/00	28.10	*	346199	192.00	7340.00	48.00	1042.00	368.00
AVERAGE - MMW944		28.01	*	347721	205.25	7260.00	46.00	1009.25	355.00
Tract -03 Wells									
MMW39-GW-1	03/15/00	1.58	*	3747	46.00	56.00	36.00	<10	<0.01
MMW39-GW-2	03/15/00	1.82	*	4409	54.00	63.00	79.00	<10	<0.01
AVERAGE - MMW039		1.70	*	4078	50.00	59.50	57.50	*	*
MMW46-GW-2	03/16/00	28.32	*	136021	<5	670.00	22.00	56.00	<0.01
MMW46-GW-3	03/16/00	26.28	*	124827	<5	610.00	38.00	45.00	<0.01
MMW46-GW-4	03/16/00	26.93	*	130805	<5	644.00	22.00	39.00	<0.01
AVERAGE - MMW046		27.18	*	130551	*	641.33	27.33	46.67	*
MMW77-GW-2	03/14/00	22.70	*	239442	20.00	4266.00	56.00	345.00	71.00
MMW77-GW-3	03/14/00	24.56	*	253996	<5	4549.00	30.00	356.00	70.00



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SAMPLE NO.	DATE	METHANE(mg/l)	METHANE(ug/l)	ETHANE(ng/l)	ETHYLENE(ng/l)	PROPANE(ng/l)	PROPYLENE(ng/l)	ISO-BUTANE(ng/l)	N-BUTANE(ng/l)
MMW77-GW-4	03/14/00	25.08	*	259431	<5	4631.00	28.00	360.00	62.00
AVERAGE - MMW077		24.11	*	250956	20.00	4482.00	38.00	353.67	67.67
MMW82-GW-1	03/16/00	22.58	*	223296	11.00	2685.00	50.00	257.00	17.00
MMW82-GW-2	03/16/00	20.13	*	193760	<5	2283.00	44.00	215.00	40.00
MMW82-GW-3	03/16/00	23.31	*	219960	<5	2583.00	58.00	279.00	26.00
MMW82-GW-4	03/16/00	22.72	*	215440	<5	2499.00	38.00	246.00	38.00
AVERAGE - MMW082		22.18	*	213114	11.00	2512.50	47.50	249.25	30.25
MMW103-GW-2	03/14/00	19.48	*	130162	<5	1748.00	40.00	188.00	31.00
MMW103-GW-3	03/14/00	20.68	*	137435	<5	1856.00	29.00	194.00	26.00
MMW103-GW-4	03/14/00	21.54	*	53558	40.00	1263.00	64.00	183.00	30.00
AVERAGE - MMW103		20.57	*	107052	40.00	1622.33	44.33	188.33	29.00
MMW112-GW-2	03/14/00	27.35	*	312787	20.00	6727.00	69.00	871.00	48.00
MMW112-GW-3	03/14/00	34.24	*	439907	<5	9119.00	49.00	1135.00	59.00
MMW112-GW-4	03/14/00	35.67	*	426960	<5	9167.00	52.00	1213.00	54.00
AVERAGE - MMW112		32.42	*	393218	20.00	8337.67	56.67	1073.00	53.67
MW1-GW-1	10/02/99	22.26	*	153973	91.00	2341.00	131.00	222.00	130.00
MW1-GW-3	10/02/99	26.75	*	186904	9.00	2831.00	66.00	274.00	<0.01
MW1-GW-5	10/02/99	28.91	*	197504	6.00	2999.00	53.00	249.00	76.00
AVERAGE - MW1		25.97	*	179460	35.33	2723.67	83.33	248.33	103.00
MW2-GW-1	10/03/99	20.91	*	99050	<5	687.00	<10	62.00	<0.01
MW2-GW-3	10/03/99	26.76	*	132731	<5	989.00	<10	76.00	<0.01
MW2-GW-3K	10/03/99	26.98	*	133618	<5	999.00	<10	68.00	<0.01
MW2-GW-8	10/03/99	27.40	*	137297	<5	1042.00	<10	73.00	<0.01
MW2-GW-8K	10/03/99	27.62	*	137782	<5	1047.00	<10	84.00	<0.01
AVERAGE - MW2		25.93	*	128096	*	952.80	*	72.60	*
MW3-GW-1	10/01/99	20.82	*	59428	140.00	244.00	158.00	22.00	91.00
MW3-GW-2	10/01/99	22.49	*	72244	68.00	238.00	100.00	<10	<0.01
MW3-GW-5	10/01/99	23.33	*	82117	11.00	206.00	52.00	<10	<0.01
MW3-GW-7	10/01/99	22.48	*	79655	18.00	200.00	45.00	<10	56.00
AVERAGE - MW3		22.28	*	73361	59.25	222.00	88.75	22.00	73.50
MW4A-GW-1	10/14/99	33.93	*	250746	109.00	4908.00	152.00	482.00	133.00
MW4A-GW-3	10/14/99	33.79	*	250125	39.00	4913.00	90.00	483.00	121.00



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MW4A-GW-5	10/14/99	30.82	*	235288	25.00	4538.00	95.00	<10	<0.01
AVERAGE - MW4A		32.85	*	245386	57.67	4786.33	112.33	482.50	127.00
MW5A-GW-1	10/12/99	40.36	*	391869	156.00	9232.00	122.00	874.00	219.00
MW5A-GW-3	10/12/99	30.63	*	320545	21.00	7442.00	49.00	628.00	108.00
MW5A-GW-5	10/12/99	35.99	*	362261	<5	8617.00	52.00	772.00	135.00
AVERAGE - MW5A		35.66	*	358225	88.50	8430.33	74.33	758.00	154.00
Tract -05 Wells									
MMW226-GW-1	03/08/00	45.41	*	317841	<5	5868.00	<10	1080.00	199.00
MMW226-GW-2	03/08/00	47.39	*	333881	<5	6193.00	<10	1110.00	210.00
MMW226-GW-3	03/08/00	52.11	*	357965	<5	6621.00	<10	1176.00	244.00
AVERAGE - MMW226		48.30	*	336562	*	6227.33	*	1122.00	217.67
MMW272-GW-1	03/09/00	30.65	*	278868	<5	8712.00	<10	857.00	202.00
MMW272-GW-1	03/16/00	*	36.4	162	<5	<10	<10	<10	<0.01
MMW272-GW-2	03/09/00	0.27	*	2088	34.00	90.00	<10	<10	<0.01
MMW272-GW-3	03/09/00	0.14	*	1359	60.00	58.00	<10	<10	<0.01
AVERAGE - MMW272		10.35	*	70619	47.00	2953.33	*	857.00	202.00
MMW276-GW-2	03/13/00	10.85	*	130703	16.00	727.00	25.00	84.00	<0.01
MMW276-GW-3	03/13/00	10.68	*	132128	<5	722.00	43.00	92.00	<0.01
MMW276-GW-4	03/13/00	11.55	*	145873	<5	771.00	43.00	118.00	<0.01
AVERAGE - MMW276		11.03	*	136235	16.00	740.00	37.00	98.00	*
Tract -06 Wells									
MMW319-GW-1	03/14/00	*	54.3	647	38.00	39.00	43.00	<10	<0.01
AVERAGE - MMW319		*	54.3	647	38.00	39.00	43.00	*	*
MMW331-GW-2	03/13/00	13.57	*	68818	38.00	1003.00	54.00	127.00	<0.01
MMW331-GW-3	03/13/00	11.81	*	58156	15.00	825.00	52.00	116.00	<0.01
MMW331-GW-4	03/13/00	11.75	*	56372	7.00	799.00	30.00	107.00	<0.01
AVERAGE - MMW331		12.38	*	61115	20.00	875.67	45.33	116.67	*
MMW362-GW-1	03/13/00	*	6.5	62	34.00	9.00	34.00	<10	<0.01
MMW362-GW-2	03/13/00	*	4.6	30	23.00	12.00	21.00	<10	<0.01
MMW362-GW-3	03/13/00	*	4.8	20	13.00	<10	<10	<10	<0.01
MMW362-GW-4	03/13/00	*	4.6	22	22.00	<10	<10	<10	<0.01



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AVERAGE - MMW362		*	5.1	34	23.00	10.50	27.50	*	*
MMW803-GW-1	03/13/00	10.73	*	184645	2056.00	13335.00	38.00	1370.00	84.00
AVERAGE - MMW803		10.73	*	184645	2056.00	13335.00	38.00	1370.00	84.00
MMW813-GW-2	03/13/00	31.36	*	290085	<5	8517.00	24.00	1492.00	89.00
MMW813-GW-3	03/13/00	26.38	*	246427	<5	7247.00	17.00	1246.00	50.00
MMW813-GW-4	03/13/00	25.91	*	246432	<5	7265.00	26.00	1264.00	84.00
AVERAGE - MMW813		27.88	*	260981	*	7676.33	22.33	1334.00	74.33