

## Isotech Gas Data

Gulf South Magnolia Project

Isotech Lab No.	Sample Name	Sampling Point	Sampling Date	GC Date	He %
61501	Well 13	Napoleonville Salt Dome	12/30/2003	12/31/2003	0.0018
61502	Well 14	Napoleonville Salt Dome	12/30/2003	12/31/2003	0.0024
61503	Well 15	Napoleonville Salt Dome	12/30/2003	12/31/2003	0.0064
62299	#33 Well	Gulf South Magnolia	1/23/2004	1/26/2004	0.0025
62936	BUB-22 (012804) Gas	Grand Bayou	1/28/2004	2/2/2004	0.0025
62937	BUB-23 (012804) Gas	Grand Bayou	1/28/2004	2/2/2004	0.0018
62938	SE-SPURT (012804) gas	Grand Bayou	1/28/2004	2/2/2004	0.001
63114	TRV-UCAR-VW-1 (020304)	Grand Bayou	2/3/2004	2/4/2004	0.002
63267	TRV-UCAR-1 (020904)	Grand Bayou	2/9/2004	2/16/2004	0.0021

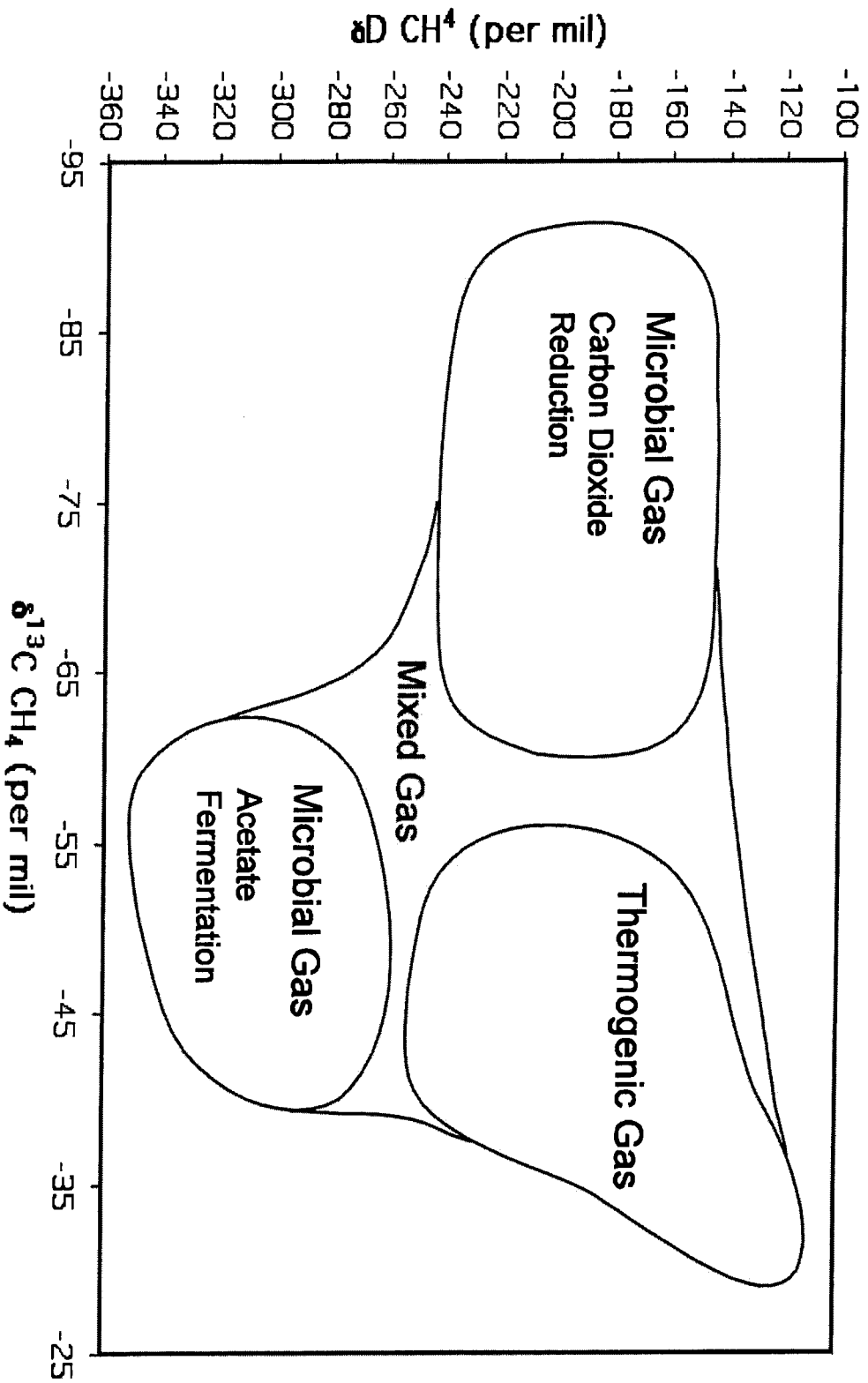
Chemical analysis based on standards accurate to within 2%

Event Gas for comparison from Wells 13, 14 and 15.

Measurements with high nitrogen readings indicate excess atmospheric air due to collection methods

H <sub>2</sub> %	Ar %	O <sub>2</sub> %	CO <sub>2</sub> %	N <sub>2</sub> %	CO %	C <sub>1</sub> %	C <sub>2</sub> %	C <sub>2</sub> H <sub>4</sub> %	C <sub>3</sub> %	iC <sub>4</sub> %	nC <sub>4</sub> %	iC <sub>5</sub> %	nC <sub>5</sub> %
0	0	0	0.93	0.31	0	95.77	2.14	0	0.471	0.114	0.107	0.0491	0.0321
0	0	0	0.95	0.32	0	95.77	2.13	0	0.464	0.11	0.102	0.046	0.0296
0.0051	0	0	0.012	0.65	0	84.35	0.338	0	11.22	0.301	2.92	0.0643	0.0682
0	0.255	4.67	2.79	20.99	0	70.46	0.638	0	0.129	0.0421	0.0143	0.0126	0
0	0.0617	0.82	1.51	4.68	0	90.73	1.68	0	0.329	0.0802	0.0531	0.0284	0.0091
0	0.367	7.16	1.9	30.23	0	59.44	0.707	0	0.126	0.0335	0.0183	0.0088	0.0025
0	0.0354	0.289	1.47	2.34	0	93.86	1.49	0	0.329	0.0808	0.0442	0.0325	0.0088
0	0.0471	0.622	1.2	3.67	0	92.33	1.62	0	0.317	0.0717	0.0477	0.0266	0.0105
0	0.0187	0.0405	1.17	1.14	0	95.27	1.81	0	0.348	0.0799	0.0537	0.0291	0.0101

C <sub>6</sub> <sup>+</sup> %	Mass Spec Date	δ <sup>13</sup> C <sub>1</sub> per mil	δDC <sub>1</sub> per mil	δ <sup>13</sup> C <sub>2</sub> per mil	δ <sup>13</sup> C <sub>3</sub> per mil
0.0784	12/31/2004	-49.36	-161.1	-27.76	-24.96
0.0711	12/31/2004	-49.41	-163.2	-27.78	-25.30
0.0698	12/31/2004	-49.22	-149.0	-27.47	-23.48
0.0013	1/27/2004	-52.13	-171.7	-26.02	-22.61
0.012	2/3/2004	-49.55	-170	-27.35	-23.99
0.002	2/3/2004	-54.86	-175.4	-27.05	-23.40
0.0178	2/3/2004	-52.34	-176.4	-27.36	-23.79
0.031	2/4/2004	-50.39	-170.4	-27.39	-23.45
0.0255	2/17/2004	-50.10	-168.5	-27.44	-23.28



Methane/Deuterium

