

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number: 995543
 Sample From: Baker Farm Unit #2 DST 1
 Producer: Pickrell Drilling
 Date:
 Time:
 Sampler:
 Source:

Analyzed: 10/18/99
 Pressure:
 Temperature:
 Location: 24-33-20
 County: Comanche
 State: Kansas
 Formation: Hertha

	Mole %	GPM
Helium	He: 0.187	0.000
Hydrogen	H2: 0.003	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 10.045	0.000
Carbon Dioxide	CO2: 0.093	0.000
Methane	C1: 78.026	0.000
Ethane	C2: 5.265	1.408
Propane	C3: 4.145	1.142
Iso Butane	iC4: 0.384	0.126
Normal Butane	nC4: 1.008	0.318
Iso Pentane	iC5: 0.171	0.063
Normal Pentane	nC5: 0.176	0.064
Hexanes Plus	C6+: 0.497	0.217

TOTAL: 100.000 3.337
 Z Fact: 0.9974
 SP.GR.: 0.7035
 BTU (SAT): 1056.8 @ 14.73 psia
 BTU (DRY): 1075.5 @ 14.73 psia
 OCTANE RATING: 112.5

COMMENTS:

0.000

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Lab Number: 995577
 Sample From: Baker Farm Unit #2 DST 3
 Producer: Pickrell Drilling
 Date:
 Time:
 Sampler:
 Source:

Analyzed: 10/19/99
 Pressure:
 Temperature:
 Location: 24-33-20
 County: Comanche
 State: Kansas
 Formation: Cherokee

		Mole %	GPM
Helium	He:	0.081	0.000
Hydrogen	H2:	0.007	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	1.093	0.000
Carbon Dioxide	CO2:	0.005	0.000
Methane	C1:	94.111	0.000
Ethane	C2:	2.798	0.748
Propane	C3:	0.967	0.266
Iso Butane	iC4:	0.146	0.048
Normal Butane	nC4:	0.291	0.092
Iso Pentane	iC5:	0.096	0.035
Normal Pentane	nC5:	0.099	0.036
Hexanes Plus	C6+:	0.306	0.134

TOTAL: 100.000 1.359
 Z Fact: 0.9978
 SP.GR.: 0.6009
 BTU (SAT): 1048.4 @ 14.73 psia
 BTU (DRY): 1066.9 @ 14.73 psia
 OCTANE RATING: 126.8

COMMENTS:

0.000