

From: Robert Caraway Caraway Analytical, Inc. Fax: 316-626-7108
To: Simpson, Paul Trilobite Testing, L. L. C. Fax: 1-785-625-5620

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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: 984351
Sample From: Richard A-1 4 pt
Producer: Midwest
Date:
Time:
Sampler:
Source:

Analyzed: 11/04/98
Pressure:
Temperature:
Location:
County: Stafford
State: Kansas
Formation: Savoy

	Mole %	GPM
Helium	He: 0.834	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 27.906	0.000
Carbon Dioxide	CO2: 0.081	0.000
Methane	C1: 64.837	0.000
Ethane	C2: 3.145	0.841
Propane	C3: 1.855	0.511
Iso Butane	iC4: 0.330	0.108
Normal Butane	nC4: 0.617	0.195
Iso Pentane	iC5: 0.160	0.059
Normal Pentane	nC5: 0.106	0.038
Hexanes Plus	C6+: 0.129	0.056
TOTAL:	100.000	1.808
Z Fact:	0.9983	
SP. GR.:	0.7236	
BTU (SAT):	794.4 @ 14.73 psia	
BTU (DRY):	808.5 @ 14.73 psia	
OCTANE RATING:	90.4	

COMMENTS:

0.000