

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:	984840	Analyzed:	12/20/98
Sample From:	Warring Trust #2 First Sample	Pressure:	
Producer:	Bonneville Fuels	Temperature:	
Date:	12/20/98	Location:	3-32-40
Time:		County:	Morton
Sampler:	Lanny Saloga	State:	Kansas
Source:		Formation:	Topeka
			/Wabaunsee

	Mole %	GPM
Helium	He: 0.745	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 29.878	0.000
Carbon Dioxide	CO2: 0.170	0.000
Methane	C1: 53.424	0.000
Ethane	C2: 6.129	1.639
Propane	C3: 4.584	1.263
Iso Butane	iC4: 0.810	0.265
Normal Butane	nC4: 1.762	0.556
Iso Pentane	iC5: 0.512	0.187
Normal Pentane	nC5: 0.685	0.248
Hexanes Plus	C6+: 1.301	0.568
TOTAL:	100.000	4.726
Z Fact:	0.9974	
SP. GR.:	0.8478	
BTU (SAT):	949.8 @ 14.73 psia	
BTU (DRY):	966.6 @ 14.73 psia	
OCTANE RATING:	83.6	

COMMENTS:

0.000

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:
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Hays, Kansas
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Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
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Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	984841	Analyzed:	12/20/98
Sample From:	Warring Trust #2 Second Sample	Pressure:	
Producer:	Bonneville Fuels	Temperature:	
Date:	12/20/98	Location:	3-32-40
Time:		County:	Morton
Sampler:	Lanny Saloga	State:	Kansas
Source:		Formation:	Topeka
			/Wabaunsee

	Mole %	GPM
Helium	He: 0.757	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 30.260	0.000
Carbon Dioxide	CO2: 0.150	0.000
Methane	C1: 54.024	0.000
Ethane	C2: 6.187	1.655
Propane	C3: 4.530	1.248
Iso Butane	iC4: 0.779	0.255
Normal Butane	nC4: 1.600	0.504
Iso Pentane	iC5: 0.399	0.146
Normal Pentane	nC5: 0.498	0.180
Hexanes Plus	C6+: 0.816	0.356
TOTAL:	100.000	4.345
Z Fact:	0.9976	
SP. GR.:	0.8271	
BTU (SAT):	912.6 @ 14.73	psia
BTU (DRY):	928.8 @ 14.73	psia
OCTANE RATING:	84.0	

COMMENTS:

0.000

NATURAL GAS ANALYSIS REPORT

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

Lab Number: 983991
 Sample From: Warring Trust #2 DST 1
 Producer: Bonneville Fuels
 Date: 10/11/98
 Time:
 Sampler: Lanny Saloga
 Source:

Analyzed: 10/13/98
 Pressure:
 Temperature:
 Location: 3-32-40
 County: Morton
 State: Kansas
 Formation: Wabunsee

	Mole %	GPM
Helium	He: 0.618	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 23.901	0.000
Carbon Dioxide	CO2: 0.019	0.000
Methane	C1: 62.568	0.000
Ethane	C2: 5.557	1.486
Propane	C3: 4.014	1.106
Iso Butane	iC4: 0.583	0.191
Normal Butane	nC4: 1.507	0.475
Iso Pentane	iC5: 0.333	0.122
Normal Pentane	nC5: 0.406	0.147
Hexanes Plus	C6+: 0.494	0.216
TOTAL:	100.000	3.743
Z Fact:	0.9976	
SP.GR.:	0.7761	
BTU (SAT):	942.1 @ 14.73 psia	
BTU (DRY):	958.8 @ 14.73 psia	
OCTANE RATING:	93.5	

COMMENTS:

0.000

NATURAL GAS ANALYSIS REPORT

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Analyzed by:
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Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 983992
Sample From: Warring Trust #2 DST 2
Producer: Bonneville Fuels
Date: 10/12/98
Time:
Sampler: Lanny Saloga
Source:

Analyzed: 10/13/98
Pressure:
Temperature:
Location: 3-32-40
County: Morton
State: Kansas
Formation: Topeka

	Mole %	GPM
Helium	He: 0.821	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 32.700	0.000
Carbon Dioxide	CO2: 0.041	0.000
Methane	C1: 51.314	0.000
Ethane	C2: 6.221	1.664
Propane	C3: 4.751	1.309
Iso Butane	iC4: 0.706	0.231
Normal Butane	nC4: 1.720	0.542
Iso Pentane	iC5: 0.432	0.158
Normal Pentane	nC5: 0.539	0.195
Hexanes Plus	C6+: 0.755	0.329
TOTAL:	100.000	4.429
Z Fact:	0.9976	
SP.GR.:	0.8387	
BTU (SAT):	893.0 @ 14.73 psia	
BTU (DRY):	908.8 @ 14.73 psia	
OCTANE RATING:	80.8	

COMMENTS:

0.000