

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:	983486	Analyzed:	09/13/98
Sample From:	Warring Trust #1 DST 1	Pressure:	
Producer:	Bonneville Fuels	Temperature:	
Date:	09/08/98	Location:	3-32-40
Time:		County:	Morton
Sampler:	Lanny Saloga	State:	Kansas
Source:		Formation:	Keyes

	Mole %	GPM
Helium	He: 0.014	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 0.894	0.000
Carbon Dioxide	CO2: 0.045	0.000
Methane	C1: 59.418	0.000
Ethane	C2: 8.472	2.266
Propane	C3: 12.465	3.435
Iso Butane	iC4: 3.428	1.121
Normal Butane	nC4: 5.742	1.810
Iso Pentane	iC5: 2.358	0.863
Normal Pentane	nC5: 2.199	0.796
Hexanes Plus	C6+: 4.965	2.166

TOTAL: 100.000 12.458
Z Fact: 0.9916
SP.GR.: 1.0831
BTU (SAT): 1787.4 @ 14.73 psia
BTU (DRY): 1819.1 @ 14.73 psia
OCTANE RATING: 110.7

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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Lab Number: 984519
Sample From: Warring Trust #1
Producer: Bonneville Fuels
Date: 11/24/98
Time:
Sampler:
Source:

Analyzed: 11/24/98
Pressure:
Temperature:
Location: 3-32-40
County: Morton
State: Kansas
Formation:

	Mole %	GPM
Helium	He: 0.281	0.000
Hydrogen	H2: 0.009	0.000
Oxygen	O2: 0.088	0.000
Nitrogen	N2: 3.111	0.000
Carbon Dioxide	CO2: 0.104	0.000
Methane	C1: 89.464	0.000
Ethane	C2: 3.529	0.944
Propane	C3: 1.680	0.463
Iso Butane	iC4: 0.243	0.079
Normal Butane	nC4: 0.565	0.178
Iso Pentane	iC5: 0.177	0.065
Normal Pentane	nC5: 0.209	0.076
Hexanes Plus	C6+: 0.540	0.236

TOTAL: 100.000 2.040
Z Fact: 0.9976
SP. GR.: 0.6358
BTU (SAT): 1064.1 @ 14.73 psia
BTU (DRY): 1082.9 @ 14.73 psia
OCTANE RATING: 122.7

COMMENTS:

0.088

From: Robert Caraway Caraway Analytical, Inc. Fax: 316-626-7108
To: Simpson, Paul - Backup Trilobite Testing, L. L. C. Fax: 1-785-625-4504

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

Lab Number:	990816	Analyzed:	02/22/99
Sample From:	Warring Trust #1 Wireline & 4 Pt	Pressure:	
Producer:	Bonneville Fuels	Temperature:	
Date:		Location:	3-32-40
Time:		County:	Morton
Sampler:		State:	Kansas
Source:		Formation:	L Morrow
			Keyes

	Mole %	GPM
Helium	He: 0.285	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.803	0.000
Carbon Dioxide	CO2: 0.239	0.000
Methane	C1: 90.549	0.000
Ethane	C2: 3.628	0.970
Propane	C3: 1.719	0.474
Iso Butane	iC4: 0.239	0.078
Normal Butane	nC4: 0.526	0.166
Iso Pentane	iC5: 0.190	0.070
Normal Pentane	nC5: 0.198	0.072
Hexanes Plus	C6+: 0.124	0.054
TOTAL:	100.000	1.883
Z Fact:	0.9977	
SP. GR.:	0.6245	
BTU (SAT):	1050.1 @ 14.73 psia	
BTU (DRY):	1068.7 @ 14.73 psia	
OCTANE RATING:	123.5	

COMMENTS:

0.000