

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
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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: 20011381

Analyzed: 03/15/01

Sample From: Brass A 1-2 DST 4
Producer: Lario Oil & Gas

Pressure:
Temperature:

Date: Location: 2-33-19

Time:
Sampler:
Source:

County: Comanche
State: Kansas
Formation: Miss

	Mole %	GPM
Helium	He: 0.102	0.000
Hydrogen	H2: 0.008	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 1.590	0.000
Carbon Dioxide	CO2: 0.005	0.000
Methane	C1: 93.916	0.000
Ethane	C2: 2.753	0.736
Propane	C3: 0.789	0.217
Iso Butane	iC4: 0.142	0.046
Normal Butane	nC4: 0.293	0.092
Iso Pentane	iC5: 0.097	0.035
Normal Pentane	nC5: 0.084	0.030
Hexanes Plus	C6+: 0.221	0.096

TOTAL: 100.000 1.255

Z Fact: 0.9978

SP.GR.: 0.5983

BTU (SAT): 1036.3 @ 14.73 psia

BTU (DRY): 1054.6 @ 14.73 psia

OCTANE RATING: 126.3

COMMENTS:

0.000

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Producer: Lario Oil & Gas

Pressure:
Temperature:

Date: Location: 2-33-19

Time: County: Comanche
Sampler: State: Kansas
Source: Formation: Miss

	Mole %	GPM
Helium	He: 0.098	0.000
Hydrogen	H2: 0.008	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 1.646	0.000
Carbon Dioxide	CO2: 0.025	0.000
Methane	C1: 93.639	0.000
Ethane	C2: 2.753	0.736
Propane	C3: 0.796	0.219
Iso Butane	iC4: 0.143	0.047
Normal Butane	nC4: 0.299	0.094
Iso Pentane	iC5: 0.105	0.038
Normal Pentane	nC5: 0.096	0.035
Hexanes Plus	C6+: 0.392	0.171

TOTAL: 100.000 1.341

Z Fact: 0.9978

SP.GR.: 0.6039

BTU (SAT): 1043.4 @ 14.73 psia

BTU (DRY): 1061.9 @ 14.73 psia

OCTANE RATING: 126.0

COMMENTS:

0.000