

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20015957**Analyzed: 11/28/01**

Sample From: McFadden #1 DST 2
Producer: Becker Oil

Pressure:
Temperature:

Date: Location: 26-20-22

Time:
Sampler:
Source:

County: Ness
State: Kansas
Formation: Winfield

	Mole %	GPM
Helium	He: 1.203	0.000
Hydrogen	H2: 0.008	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 40.966	0.000
Carbon Dioxide	CO2: 0.472	0.000
Methane	C1: 55.777	0.000
Ethane	C2: 0.533	0.143
Propane	C3: 0.060	0.017
Iso Butane	iC4: 0.003	0.001
Normal Butane	nC4: 0.009	0.003
Iso Pentane	iC5: 0.023	0.008
Normal Pentane	nC5: 0.062	0.022
Hexanes Plus	C6+: 0.884	0.386

TOTAL: 100.000 0.579

Z Fact: 0.9988

SP.GR.: 0.7525

BTU (SAT): 614.7 @ 14.73 psia
BTU (DRY): 625.6 @ 14.73 psia
OCTANE RATING: 73.3

COMMENTS:

0.000

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Lab Number: 20015958

Analyzed: 11/28/01

Sample From: McFadden #1 DST 3
Producer: Becker Oil

Pressure:
Temperature:

Date: Location: 26-20-22

Time:
Sampler:
Source:

County: Ness
State: Kansas
Formation: Towanda

	Mole %	GPM
Helium	He: 1.156	0.000
Hydrogen	H2: 0.006	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 42.593	0.000
Carbon Dioxide	CO2: 0.028	0.000
Methane	C1: 55.283	0.000
Ethane	C2: 0.613	0.164
Propane	C3: 0.117	0.032
Iso Butane	iC4: 0.023	0.008
Normal Butane	nC4: 0.018	0.006
Iso Pentane	iC5: 0.009	0.003
Normal Pentane	nC5: 0.006	0.002
Hexanes Plus	C6+: 0.148	0.065

TOTAL: 100.000 0.279

Z Fact: 0.9990

SP.GR.: 0.7354

BTU (SAT): 573.5 @ 14.73 psia
BTU (DRY): 583.6 @ 14.73 psia
OCTANE RATING: 72.7

COMMENTS:

0.000