

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: 20010699	Analyzed: 02/13/01
Sample From: Leroy #1 DST 2	Pressure:
Producer: Grady Bolding Corp	Temperature:
Date: Location: 20-19-14	
Time:	County: Bartpm
Sampler:	State: Kansas
Source:	Formation: Red Eagle

	Mole %	GPM
Helium	He: 1.135	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 27.472	0.000
Carbon Dioxide	CO2: 0.017	0.000
Methane	C1: 67.526	0.000
Ethane	C2: 2.136	0.571
Propane	C3: 0.745	0.205
Iso Butane	iC4: 0.228	0.075
Normal Butane	nC4: 0.278	0.088
Iso Pentane	iC5: 0.108	0.040
Normal Pentane	nC5: 0.124	0.045
Hexanes Plus	C6+: 0.231	0.101

TOTAL: 100.000 1.124

Z Fact: 0.9985

SP.GR.: 0.6998

BTU (SAT): 765.6 @ 14.73 psia
 BTU (DRY): 779.1 @ 14.73 psia
 OCTANE RATING: 91.4

COMMENTS:

0.000

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Lab Number: 20010825	Analyzed: 02/19/01
Sample From: Leroy #1 DST 3	Pressure:
Producer: Grady Bolding Corp	Temperature:
Date: Location: 20-19-14	
Time:	County: Bartpm
Sampler:	State: Kansas
Source:	Formation: Cong

	Mole %	GPM
Helium	He: 3.092	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 24.444	0.000
Carbon Dioxide	CO2: 0.152	0.000
Methane	C1: 63.107	0.000
Ethane	C2: 5.036	1.347
Propane	C3: 2.117	0.583
Iso Butane	iC4: 0.438	0.143
Normal Butane	nC4: 0.764	0.241
Iso Pentane	iC5: 0.232	0.085
Normal Pentane	nC5: 0.284	0.103
Hexanes Plus	C6+: 0.334	0.146

TOTAL: 100.000 2.648

Z Fact: 0.9981

SP.GR.: 0.7265

BTU (SAT): 845.3 @ 14.73 psia
BTU (DRY): 860.3 @ 14.73 psia
OCTANE RATING: 90.8

COMMENTS:

0.000