

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, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-624-5389
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Lab Number: 950476
Sample From: Keller A-1 DST 2
Producer: McGinness Oil Co.
Date:
Time:
Sampler:
Source:

Analyzed: 09/12/95
Pressure:
Temperature:
Location: 6-28S-17W
County: Kiowa
State: Kansas
Formation: Krider

	Mole %	GPM
Helium	He: 1.059	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 26.276	0.000
Carbon Dioxide	CO2: 0.090	0.000
Methane	C1: 71.079	0.000
Ethane	C2: 1.135	0.304
Propane	C3: 0.251	0.069
Iso Butane	iC4: 0.031	0.010
Normal Butane	nC4: 0.035	0.011
Iso Pentane	iC5: 0.000	0.000
Normal Pentane	nC5: 0.000	0.000
Hexanes Plus	C6+: 0.044	0.019
TOTAL:	100.000	0.413
Z Fact:	0.9986	
SP.GR.:	0.6700	
BTU (SAT):	738.4 @ 14.73 psia	
BTU (DRY):	751.4 @ 14.73 psia	
OCTANE RATING:	93.9	

COMMENTS:

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Phone: 316-624-5389
Fax: 316-626-7102

Lab Number: 950479
Sample From: Keller A-1 DST 3
Producer: McGinness Oil Co.
Date:
Time:
Sampler:
Source:

Analyzed: 09/13/95
Pressure:
Temperature:
Location: 6-28S-17W
County: Kiowa
State: Kansas
Formation: Berlingame

	Mole %	GPM
Helium	He: 0.774	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 29.925	0.000
Carbon Dioxide	CO2: 0.132	0.000
Methane	C1: 64.733	0.000
Ethane	C2: 2.060	0.551
Propane	C3: 1.015	0.280
Iso Butane	iC4: 0.205	0.067
Normal Butane	nC4: 0.356	0.112
Iso Pentane	iC5: 0.151	0.055
Normal Pentane	nC5: 0.167	0.060
Hexanes Plus	C6+: 0.482	0.210

TOTAL: 100.000 1.336
Z Fact: 0.9984
SP.GR.: 0.7237
BTU (SAT): 761.0 @ 14.73 psia
BTU (DRY): 774.5 @ 14.73 psia
OCTANE RATING: 88.1

COMMENTS:

Sample entered under vacuum