

NATURAL GAS ANALYSIS REPORT

Sampled by: Analyzed by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas

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Lab Number: 20011990

Analyzed: 04/24/01

Sample From: Hall 1 DST 1

Pressure:

Producer: National Petroleum Reserves

Temperature:

Date: Location: 31-31-12

Time:

County: Barber

Sampler:

State: Kansas

Source:

Formation: Douglas

Sand

		Mole %	GPM
Helium	He:	0.272	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	9.727	0.000
Carbon Dioxide	CO2:	0.138	0.000
Methane	C1:	81.973	0.000
Ethane	C2:	4.162	1.113
Propane	C3:	1.884	0.519
Iso Butane	iC4:	0.318	0.104
Normal Butane	nC4:	0.668	0.211
Iso Pentane	iC5:	0.205	0.075
Normal Pentane	nC5:	0.223	0.081
Hexanes Plus	C6+:	0.430	0.188

TOTAL: 100.000 2.290

Z Fact: 0.9977

SP.GR.: 0.6686

BTU (SAT): 1007.2 @ 14.73 psia

BTU (DRY): 1025.0 @ 14.73 psia

OCTANE RATING: 114.0

COMMENTS:

0.000

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Lab Number: 20012017	Analyzed: 04/24/01
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Sample From: Hall 1 DST 2	Pressure:	
Producer: National Petroleum Reserves	Temperature:	

Date: 31-31-12	Location: 31-31-12
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Time:	County:	Barber
Sampler:	State:	Kansas
Source:	Formation:	Sim Sand

	Mole %	GPM
Helium	He: 0.273	0.000
Hydrogen	H2: 0.010	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 11.529	0.000
Carbon Dioxide	CO2: 0.071	0.000
Methane	C1: 37.874	0.000
Ethane	C2: 12.180	3.258
Propane	C3: 16.699	4.601
Iso Butane	iC4: 2.483	0.812
Normal Butane	nC4: 8.691	2.740
Iso Pentane	iC5: 2.370	0.867
Normal Pentane	nC5: 3.388	1.227
Hexanes Plus	C6+: 4.432	1.934

TOTAL: 100.000 15.439

Z Fact: 0.9904

SP.GR.: 1.2261

BTU (SAT): 1830.3 @ 14.73 psia

BTU (DRY): 1862.7 @ 14.73 psia

OCTANE RATING: 93.0

COMMENTS:

0.000