

# NATURAL GAS ANALYSIS REPORT

Sampled by:  
 Trilobite Testing, L. L. C.  
 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

<b>Lab Number:</b> 20014800	<b>Analyzed:</b> 10/04/01
Sample From: Wetzal R 1-27 DST 2	Pressure:
Producer: McCoy Petroleum	Temperature:
<b>Date: Location: 27-25-20</b>	
Time:	County: Edwards
Sampler:	State: Kansas
Source:	Formation: Miss

	Mole %	GPM
Helium	He: 4.110	0.000
Hydrogen	H2: 0.041	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 55.085	0.000
Carbon Dioxide	CO2: 0.330	0.000
Methane	C1: 32.953	0.000
Ethane	C2: 4.524	1.210
Propane	C3: 0.894	0.246
Iso Butane	iC4: 0.342	0.112
Normal Butane	nC4: 0.453	0.143
Iso Pentane	iC5: 0.173	0.063
Normal Pentane	nC5: 0.148	0.054
Hexanes Plus	C6+: 0.947	0.413

TOTAL: 100.000    2.241

Z Fact: 0.9989

SP.GR.: 0.8423

BTU (SAT): 515.5 @ 14.73 psia  
 BTU (DRY): 524.6 @ 14.73 psia  
 OCTANE RATING: 49.5

COMMENTS:

0.000

# NATURAL GAS ANALYSIS REPORT

**Sampled by:**

Trilobite Testing, L. L. C.  
 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

<b>Lab Number:</b> 20014801	<b>Analyzed:</b> 10/04/01
-----------------------------	---------------------------

Sample From: Wetzel R 1-27 DST 3	Pressure:
Producer: McCoy Petroleum	Temperature:

<b>Date:</b> 27-25-20	<b>Location:</b> 27-25-20
-----------------------	---------------------------

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

	Mole %	GPM
Helium	He: 4.150	0.000
Hydrogen	H2: 0.044	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 55.247	0.000
Carbon Dioxide	CO2: 0.290	0.000
Methane	C1: 33.301	0.000
Ethane	C2: 4.541	1.214
Propane	C3: 0.891	0.246
Iso Butane	iC4: 0.334	0.109
Normal Butane	nC4: 0.433	0.137
Iso Pentane	iC5: 0.151	0.055
Normal Pentane	nC5: 0.115	0.042
Hexanes Plus	C6+: 0.503	0.219

TOTAL: 100.000    2.022

Z Fact: 0.9989

SP.GR.: 0.8291

BTU (SAT): 493.6 @ 14.73 psia  
 BTU (DRY): 502.4 @ 14.73 psia  
 OCTANE RATING: 49.8

COMMENTS:

0.000

# 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

<b>Lab Number:</b> 20016050	<b>Analyzed:</b> 12/01/01
-----------------------------	---------------------------

Sample From: Wetzel 1-27R Static	Pressure:	
Producer: McCoy Petroleum	Temperature:	

<b>Date:</b> 27-25-20	<b>Location:</b> 27-25-20
-----------------------	---------------------------

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

	Mole %	GPM
Helium	He: 4.178	0.000
Hydrogen	H2: 0.035	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 55.825	0.000
Carbon Dioxide	CO2: 0.285	0.000
Methane	C1: 32.363	0.000
Ethane	C2: 4.818	1.289
Propane	C3: 0.926	0.255
Iso Butane	iC4: 0.340	0.111
Normal Butane	nC4: 0.488	0.154
Iso Pentane	iC5: 0.172	0.063
Normal Pentane	nC5: 0.150	0.054
Hexanes Plus	C6+: 0.420	0.183

TOTAL: 100.000    2.109

Z Fact: 0.9989

SP.GR.: 0.8328

BTU (SAT): 489.9 @ 14.73 psia  
 BTU (DRY): 498.6 @ 14.73 psia  
 OCTANE RATING: 49.0

COMMENTS:

0.000