

NATURAL GAS ANALYSIS REPORT  
GPA 2145-09

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: 620-482-2371  
Fax: 620-626-7108

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Lab Number:	20122315	Analyzed:	07/21/12
Sample From:	MILLER TRUST 1-36	Pressure:	
Producer:	STRATA EXPL INC	Temperature:	
Date:		Location:	36-26-20
Time:		County:	EDWARDS
Sampler:	GARY	State:	KANSAS
Source:	DST 1	Formation:	TORONTO

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	Mole %	GPM
Helium	He: 0.484	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 29.539	0.000
Carbon Dioxide	CO2: 0.021	0.000
Methane	C1: 64.242	0.000
Ethane	C2: 2.359	0.885
Propane	C3: 1.496	0.561
Iso Butane	iC4: 0.383	0.117
Normal Butane	nC4: 0.561	0.178
Iso Pentane	iC5: 0.222	0.061
Normal Pentane	nC5: 0.211	0.058
Hexanes Plus	C6+: 0.482	0.111

TOTAL: 100.000 1.971  
Z Fact: 0.9999  
SP.GR.: 0.7354  
BTU (SAT): 803.0 @ 14.73 psia  
BTU (DRY): 817.2 @ 14.73 psia  
OCTANE RATING: 88.7

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COMMENTS:

0.000

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Lab Number:	20122316	Analyzed:	07/21/12
Sample From:	MILLER TRUST 1-36	Pressure:	
Producer:	STRATA EXPL INC	Temperature:	
Date:		Location:	36-26-20
Time:		County:	EDWARDS
Sampler:	GARY	State:	KANSAS
Source:	DST 2	Formation:	LANS A

		Mole %	GPM
Helium	He:	0.461	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	25.584	0.000
Carbon Dioxide	CO2:	0.106	0.000
Methane	C1:	67.140	0.000
Ethane	C2:	3.019	1.132
Propane	C3:	1.775	0.665
Iso Butane	iC4:	0.367	0.112
Normal Butane	nC4:	0.671	0.213
Iso Pentane	iC5:	0.221	0.061
Normal Pentane	nC5:	0.231	0.064
Hexanes Plus	C6+:	0.425	0.098

TOTAL: 100.000 2.346  
 Z Fact: 0.9999  
 SP.GR.: 0.7261  
 BTU (SAT): 852.0 @ 14.73 psia  
 BTU (DRY): 867.0 @ 14.73 psia  
 OCTANE RATING: 93.5

COMMENTS:

0.000