NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	994276	Analyzed:	08/02/99
Sample From:	Mayer #1 DST 2	Pressure:	
Producer:	MTM Petroleum	Temperature:	
Date:		Location:	20-29-7
Time:		County:	Kingman
Sampler:		State:	Kansas
Source:		Formation:	Miss

		Mole %	GPM
Helium	He:	0.181	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	9.510	0.000
Nitrogen	N2:	34.439	0.000
Carbon Dioxide	CO2:	0.316	0.000
Methane	C1:	46.815	0.000
Ethane	C2:	3.586	0.959
Propane	C3:	2.003	0.552
Iso Butane	iC4:	0.332	0.109
Normal Butane	nC4:	0.764	0.241
Iso Pentane	iC5:	0.287	0.105
Normal Pentane	nC5:	0.339	0.123
Hexanes Plus	C6+:	1.428	0.623
	TOTAL:	100.000	2.711
	Z Fact:	0.9982	
	SP.GR.:	0.8557	
	BTU (SAT):	711.1 @ 14.73 psia	
	BTU (DRY):	723.7 @ 14.73 psia	
	OCTANE RATING:	68.2	

COMMENTS: 9.510

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Lab Number:	994317	Analyzed:	08/03/99
Sample From:	Mayer #1 DST 3	Pressure:	
Producer:	MTM Petroleum	Temperature:	
Date:		Location:	20-29-7
Time:		County:	Kingman
Sampler:		State:	Kansas
Source:		Formation:	Simpson Sd

		Mole %	GPM
Helium	He:	0.769	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	22.067	0.000
Carbon Dioxide	CO2:	0.061	0.000
Methane	C1:	50.753	0.000
Ethane	C2:	9.871	2.640
Propane	C3:	9.064	2.498
Iso Butane	iC4:	1.152	0.377
Normal Butane	nC4:	3.540	1.116
Iso Pentane	iC5:	0.647	0.237
Normal Pentane	nC5:	0.771	0.279
Hexanes Plus	C6+:	1.305	0.569
	TOTAL:	100.000	7.716
	Z Fact:	0.9961	
	SP.GR.:	0.9124	
	BTU (SAT):	1178.6 @ 14.73 psia	
	BTU (DRY):	1199.4 @ 14.73 psia	
	OCTANE RATING:	90.5	

COMMENTS: 0.000