

NATURAL GAS ANALYSIS REPORT

Sampled by:  
 Western Testing Co.  
 P. O. Box 1599  
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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: 950301 Analyzed: 06/21/95  
 Sample From: MLP Gillespie 1-3 DST 1 Pressure:  
 Provider: Hugoton Energy Temperature:  
 Date: Location:  
 Time: County:  
 Sampler: State:  
 Source: Formation: Kinsler  
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 Sand

	Mole %	GPM
Helium	He: 0.253	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 9.700	0.000
Carbon Dioxide	CO2: 0.222	0.000
Methane	C1: 79.942	0.000
Ethane	C2: 5.595	1.496
Propane	C3: 3.160	0.871
Iso Butane	iC4: 0.260	0.085
Normal Butane	nC4: 0.481	0.152
Iso Pentane	iC5: 0.084	0.031
Normal Pentane	nC5: 0.069	0.025
Hexanes Plus	C6+: 0.234	0.102

TOTAL: 100.000 2.762  
 Z Fact: 0.9977  
 SP.GR.: 0.6743  
 BTU (SAT): 1015.0 @ 14.73 psia  
 BTU (DRY): 1033.0 @ 14.73 psia  
 OCTANE RATING: 113.6

COMMENTS: 5451-5510  
 Amt Gauged - 1064 MCFPD

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To	Hugoton	Date	6-21	# of pages	1
Co./Dept.		From	Western Test		
Phone #		Co.			
Fax #		Phone #	262-5861		
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