

NATURAL GAS ANALYSIS REPORT

Sampled by:  
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Lab Number:	20000764	Analyzed:	02/10/00
Sample From:	Mai #1 4pt	Pressure:	
Producer:	Horseshoe Operating	Temperature:	
Date:		Location:	8-23-41
Time:		County:	Hamilton
Sampler:		State:	Kansas
Source:		Formation:	Winfield

	Mole %	GPM
Helium	He: 0.715	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 35.907	0.000
Carbon Dioxide	CO2: 0.026	0.000
Methane	C1: 52.594	0.000
Ethane	C2: 4.864	1.301
Propane	C3: 3.378	0.931
Iso Butane	iC4: 0.408	0.133
Normal Butane	nC4: 1.093	0.345
Iso Pentane	iC5: 0.234	0.086
Normal Pentane	nC5: 0.286	0.104
Hexanes Plus	C6+: 0.495	0.216

TOTAL: 100.000 3.115  
 Z Fact: 0.9981  
 SP.GR.: 0.8028  
 BTU (SAT): 786.8 @ 14.73 psia  
 BTU (DRY): 800.7 @ 14.73 psia  
 OCTANE RATING: 78.5

COMMENTS:

0.000