

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Lab Number:	20010569	Analyzed:	02/06/01
Sample From:	Lewis #2 4pt	Pressure:	
Producer:	Horseshoe Operating	Temperature:	
Date:	Location:	7-22-41	
Time:		County:	Hamilton
Sampler:		State:	Kansas
Source:		Formation:	Winfield

	Mole %	GPM
Helium	He: 0.674	0.000
Hydrogen	H2: 0.011	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 29.573	0.000
Carbon Dioxide	CO2: 0.063	0.000
Methane	C1: 58.606	0.000
Ethane	C2: 5.508	1.473
Propane	C3: 3.450	0.951
Iso Butane	iC4: 0.393	0.129
Normal Butane	nC4: 1.031	0.325
Iso Pentane	iC5: 0.208	0.076
Normal Pentane	nC5: 0.241	0.087
Hexanes Plus	C6+: 0.242	0.106

TOTAL: 100.000 3.146

Z Fact: 0.9980

SP.GR.: 0.7717

BTU (SAT): 841.8 @ 14.73 psia
 BTU (DRY): 856.7 @ 14.73 psia
 OCTANE RATING: 86.9

COMMENTS:

0.000