

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Lab Number: 20015948 Analyzed: 11/28/01

Sample From: Angell A-2 4pt Pressure:
Producer: Bartling Oil Co. Temperature:

Date: Location: 5-20-39

Time: County: Hamilton
Sampler: State: Kansas
Source: Formation: Winfield

	Mole %	GPM
Helium	He: 0.581	0.000
Hydrogen	H2: 0.295	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 25.574	0.000
Carbon Dioxide	CO2: 0.023	0.000
Methane	C1: 58.436	0.000
Ethane	C2: 5.428	1.452
Propane	C3: 3.873	1.067
Iso Butane	iC4: 0.538	0.176
Normal Butane	nC4: 1.775	0.560
Iso Pentane	iC5: 0.568	0.208
Normal Pentane	nC5: 0.913	0.331
Hexanes Plus	C6+: 1.996	0.871

TOTAL: 100.000 4.664

Z Fact: 0.9972

SP.GR.: 0.8380

BTU (SAT): 1009.2 @ 14.73 psia

BTU (DRY): 1027.0 @ 14.73 psia

OCTANE RATING: 88.8

COMMENTS:

0.000