

NATURAL GAS ANALYSIS REPORT

Sampled by:

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Analyzed by:

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Lab Number: 20010466**Analyzed: 01/30/01****Sample From:** Bolt 1-23 4pt**Pressure:****Producer:** American Warrior**Temperature:****Date: Location:****Time:****County:** Ness**Sampler:****State:** Kansas**Source:****Formation:**

	Mole %	GPM
Helium	He: 1.566	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 48.571	0.000
Carbon Dioxide	CO2: 0.165	0.000
Methane	C1: 49.191	0.000
Ethane	C2: 0.326	0.087
Propane	C3: 0.027	0.007
Iso Butane	iC4: 0.002	0.001
Normal Butane	nC4: 0.003	0.001
Iso Pentane	iC5: 0.006	0.002
Normal Pentane	nC5: 0.018	0.007
Hexanes Plus	C6+: 0.125	0.055

TOTAL: 100.000 0.159**Z Fact: 0.9991****SP.GR.: 0.7564**

BTU (SAT): 503.5 @ 14.73 psia
BTU (DRY): 512.4 @ 14.73 psia
OCTANE RATING: 64.3

COMMENTS:

0.000