

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20011192**Analyzed:** 03/07/01

Sample From: Witthuhn 4-35 4pt
Producer: American Warrior

Pressure:
Temperature:

Date: Location:

Time:
Sampler:
Source:

County: Ness
State: Kansas
Formation: Chase

	Mole %	GPM
Helium	He: 1.543	0.000
Hydrogen	H2: 0.009	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 47.847	0.000
Carbon Dioxide	CO2: 0.259	0.000
Methane	C1: 49.865	0.000
Ethane	C2: 0.351	0.094
Propane	C3: 0.026	0.007
Iso Butane	iC4: 0.001	0.000
Normal Butane	nC4: 0.002	0.001
Iso Pentane	iC5: 0.000	0.000
Normal Pentane	nC5: 0.002	0.001
Hexanes Plus	C6+: 0.095	0.041

TOTAL: 100.000 0.144**Z Fact:** 0.9991**SP.GR.:** 0.7533

BTU (SAT): 508.2 @ 14.73 psia
BTU (DRY): 517.2 @ 14.73 psia
OCTANE RATING: 65.2

COMMENTS:

0.000