

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number:	20010147	Analyzed:	01/18/01
Sample From:	Young 1-13 4pt	Pressure:	
Producer:	American Warrior	Temperature:	
Date:		Location:	13-18-21
Time:		County:	Ness
Sampler:		State:	Kansas
Source:		Formation:	Chase

	Mole %	GPM
Helium	He: 1.591	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 50.080	0.000
Carbon Dioxide	CO2: 0.114	0.000
Methane	C1: 47.775	0.000
Ethane	C2: 0.401	0.107
Propane	C3: 0.023	0.006
Iso Butane	iC4: 0.001	0.000
Normal Butane	nC4: 0.001	0.000
Iso Pentane	iC5: 0.000	0.000
Normal Pentane	nC5: 0.000	0.000
Hexanes Plus	C6+: 0.014	0.006

TOTAL: 100.000 0.120
 Z Fact: 0.9991
 SP.GR.: 0.7589
 BTU (SAT): 484.0 @ 14.73 psia
 BTU (DRY): 492.5 @ 14.73 psia
 OCTANE RATING: 62.5

COMMENTS: 0.000