

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: 20011438**Analyzed:** 03/20/01**Sample From:** Varan D-1 DST 1**Pressure:****Producer:** American Energies**Temperature:****Date:** 03/16/01**Location:** 23-29-7**Time:****County:** Kingman**Sampler:** Lanny**State:** Kansas**Source:****Formation:** Miss/

-----**Chart**

	Mole %	GPM
Helium	He: 0.155	0.000
Hydrogen	H2: 0.028	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.695	0.000
Carbon Dioxide	CO2: 0.054	0.000
Methane	C1: 83.051	0.000
Ethane	C2: 6.083	1.627
Propane	C3: 3.251	0.896
Iso Butane	iC4: 0.484	0.158
Normal Butane	nC4: 1.322	0.417
Iso Pentane	iC5: 0.350	0.128
Normal Pentane	nC5: 0.487	0.176
Hexanes Plus	C6+: 1.040	0.454

TOTAL: 100.000 3.856**Z Fact:** 0.9970**SP.GR.:** 0.7024**BTU (SAT):** 1159.8 @ 14.73 psia**BTU (DRY):** 1180.3 @ 14.73 psia**OCTANE RATING:** 119.8**COMMENTS:**

0.000