

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, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	950257	Analyzed:	05/24/95
Sample From:	Unruh #1-12 DST 1	Pressure:	
Producer:	Cross Bar Petroleum	Temperature:	
Date:		Location:	12-29-18
Time:		County:	Kiowa
Sampler:		State:	Kansas
Source:		Formation:	Mississippi

	Mole %	GPM
Helium	He: 0.513	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 7.569	0.000
Carbon Dioxide	CO2: 0.000	0.000
Methane	C1: 81.438	0.000
Ethane	C2: 4.120	1.102
Propane	C3: 2.924	0.806
Iso Butane	iC4: 0.528	0.173
Normal Butane	nC4: 1.328	0.419
Iso Pentane	iC5: 0.364	0.133
Normal Pentane	nC5: 0.409	0.148
Hexanes Plus	C6+: 0.807	0.352

TOTAL: 100.000 3.132
Z Fact: 0.9973
SP.GR.: 0.6955
BTU (SAT): 1088.1 @ 14.73 psia
BTU (DRY): 1107.3 @ 14.73 psia
OCTANE RATING: 115.3

COMMENTS: