

From: Robert Caraway Caraway Analytical, Inc. Fax: 316-626-7108
To: Simpson, Paul - Backup Trilobite Tesing, L. L. C. Fax: 1-785-625-4504

20:34:58 4/8/99 Page 8 of 10 Log:612

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: 991639
Sample From: Schnellbacker 3-523 DST 1
Producer: Harris Oil & Gas
Date:
Time:
Sampler:
Source:

Analyzed: 04/05/99
Pressure:
Temperature:
Location: 23-30-3
County: Haskell
State: Kansas
Formation: Morrow

	Mole %	GPM
Helium	He: 0.435	0.000
Hydrogen	H2: 0.005	0.000
Oxygen	O2: 0.026	0.000
Nitrogen	N2: 5.022	0.000
Carbon Dioxide	CO2: 0.166	0.000
Methane	C1: 82.860	0.000
Ethane	C2: 5.625	1.504
Propane	C3: 3.579	0.986
Iso Butane	iC4: 0.505	0.165
Normal Butane	nC4: 1.110	0.350
Iso Pentane	iC5: 0.240	0.088
Normal Pentane	nC5: 0.226	0.082
Hexanes Plus	C6+: 0.201	0.088
TOTAL:	100.000	3.263
Z Fact:	0.9973	
SP. GR.:	0.6764	
BTU (SAT):	1094.2 @ 14.73 psia	
BTU (DRY):	1113.6 @ 14.73 psia	
OCTANE RATING:	118.9	

COMMENTS:

0.000