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.
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	971163	Analyzed:	05/06/97
Sample From:	Biggerstaff 5-11 DST 3	Pressure:	
Producer:	Griggs Oil	Temperature:	
Date:		Location:	11-25-9
Time:		County:	Reno
Sampler:		State:	Kansas
Source:		Formation:	Miss

		Mole %	GPM
Helium	He:	0.475	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	5.866	0.000
Carbon Dioxide	CO2:	0.117	0.000
Methane	C1:	68.486	0.000
Ethane	C2:	9.860	2.637
Propane	C3:	7.007	1.931
Iso Butane	iC4:	1.106	0.362
Normal Butane	nC4:	3.186	1.004
Iso Pentane	iC5:	0.835	0.306
Normal Pentane	nC5:	1.134	0.411
Hexanes Plus	C6+:	1.928	0.841
	TOTAL:	100.000	7.492
	Z Fact:	0.9955	
	SP.GR.:	0.8448	
	BTU (SAT):	1345.6 @ 14.73 psia	
	BTU (DRY):	1369.4 @ 14.73 psia	
	OCTANE RATING:	111.6	

COMMENTS: 0.000