

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Lab Number:	970100	Analyzed:	02/18/97
Sample From:	Liberal 2-25 DST 1	Pressure:	
Producer:	Ensign Operating	Temperature:	
Date:		Location:	25-34S-34W
Time:		County:	Seward
Sampler:		State:	Kansas
Source:		Formation:	Morrow

	Mole %	GPM
Helium	He: 0.168	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.525	0.000
Carbon Dioxide	CO2: 0.323	0.000
Methane	C1: 85.088	0.000
Ethane	C2: 5.266	1.408
Propane	C3: 3.173	0.874
Iso Butane	iC4: 0.457	0.150
Normal Butane	nC4: 0.990	0.312
Iso Pentane	iC5: 0.263	0.096
Normal Pentane	nC5: 0.285	0.103
Hexanes Plus	C6+: 0.462	0.202

TOTAL: 100.000 3.145
 Z Fact: 0.9973
 SP.GR.: 0.6729
 BTU (SAT): 1111.2 @ 14.73 psia
 BTU (DRY): 1130.9 @ 14.73 psia
 OCTANE RATING: 120.9

COMMENTS:

0.000