

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Analyzed by:
Caraway Analytical, Inc
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Lab Number: 984398
Sample From: Mason #1 DST 3
Producer: Noble Petroleum
Date:
Time:
Sampler:
Source:

Analyzed: 11/17/98
Pressure:
Temperature:
Location: 14-34S-1W
County: Sumner
State: Kansas
Formation: Miss

	Mole %	GPM
Helium	He: 0.539	0.000
Hydrogen	H2: 0.036	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 22.287	0.000
Carbon Dioxide	CO2: 0.115	0.000
Methane	C1: 64.840	0.000
Ethane	C2: 7.154	1.913
Propane	C3: 3.072	0.846
Iso Butane	iC4: 0.416	0.136
Normal Butane	nC4: 0.844	0.266
Iso Pentane	iC5: 0.184	0.067
Normal Pentane	nC5: 0.213	0.077
Hexanes Plus	C6+: 0.300	0.131
TOTAL:	100.000	3.437
Z Fact:	0.9978	
SP. GR.:	0.7450	
BTU (SAT):	919.1 @ 14.73 psia	
BTU (DRY):	935.4 @ 14.73 psia	
OCTANE RATING:	96.1	

COMMENTS:

0.000