

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Lab Number: 970019
Sample From: Balck 4-3 DST 3
Producer: Hugoton Energy Corp
Date:
Time:
Sampler:
Source:

Analyzed: 01/12/97
Pressure:
Temperature:
Location: 3-30-34
County: Haskell
State: Kansas
Formation: Morrow

	Mole %	GPM
Helium	He: 0.178	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 11.162	0.000
Carbon Dioxide	CO2: 0.464	0.000
Methane	C1: 60.828	0.000
Ethane	C2: 11.297	3.021
Propane	C3: 9.748	2.686
Iso Butane	iC4: 1.514	0.495
Normal Butane	nC4: 2.894	0.912
Iso Pentane	iC5: 0.713	0.261
Normal Pentane	nC5: 0.822	0.298
Hexanes Plus	C6+: 0.380	0.166

TOTAL: 100.000 7.840
Z Fact: 0.9958
SP.GR.: 0.8604
BTU (SAT): 1270.0 @ 14.73 psia
BTU (DRY): 1292.5 @ 14.73 psia
OCTANE RATING: 105.5

COMMENTS:

0.000