

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Analyzed by:
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Lab Number: 996048	Analyzed: 11/16/99
Sample From: Ross	Pressure:
Producer: Horseshoe Operating	Temperature:
Date:	Location: 7-18-39
Time:	County: Greeley
Sampler:	State: Kansas
Source:	Formation:

	Mole %	GPM
Helium	He: 0.380	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 7.631	0.000
Nitrogen	N2: 49.466	0.000
Carbon Dioxide	CO2: 0.067	0.000
Methane	C1: 35.262	0.000
Ethane	C2: 3.126	0.836
Propane	C3: 2.174	0.599
Iso Butane	iC4: 0.297	0.097
Normal Butane	nC4: 0.759	0.239
Iso Pentane	iC5: 0.186	0.068
Normal Pentane	nC5: 0.221	0.080
Hexanes Plus	C6+: 0.431	0.188

TOTAL: 100.000 2.108
 Z Fact: 0.9987
 SP.GR.: 0.8718
 BTU (SAT): 531.5 @ 14.73 psia
 BTU (DRY): 540.9 @ 14.73 psia
 OCTANE RATING: 52.5

COMMENTS:

7.631