

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Lab Number: 20010570	Analyzed: 02/06/01
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Sample From: Nickeelson #1 4pt	Pressure:	
Producer: Horseshoe Operating	Temperature:	

Date: Location:

Time:	County:	Greeley
Sampler:	State:	Kansas
Source:	Formation:	

	Mole %	GPM
Helium	He: 0.542	0.000
Hydrogen	H2: 0.009	0.000
Oxygen	O2: 0.650	0.000
Nitrogen	N2: 27.196	0.000
Carbon Dioxide	CO2: 0.075	0.000
Methane	C1: 60.178	0.000
Ethane	C2: 5.411	1.447
Propane	C3: 3.459	0.953
Iso Butane	iC4: 0.397	0.130
Normal Butane	nC4: 1.108	0.349
Iso Pentane	iC5: 0.231	0.085
Normal Pentane	nC5: 0.286	0.104
Hexanes Plus	C6+: 0.458	0.200

TOTAL: 100.000 3.267

Z Fact: 0.9979

SP.GR.: 0.7740

BTU (SAT): 872.3 @ 14.73 psia
 BTU (DRY): 887.7 @ 14.73 psia
 OCTANE RATING: 89.0

COMMENTS:

0.650

This bottle had 0.286% O2 on 06/12/00