

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Lab Number: 20010533	Analyzed: 02/02/01
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Sample From: Hartley #1 DST 1	Pressure:	
Producer: Raymond Oil	Temperature:	

Date: 01/29/01	Location: 27-30-13
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Time:	County:	Barber
Sampler: Lanny	State:	Kansas
Source:	Formation:	Douglas

-----Sand

	Mole %	GPM
Helium	He: 0.316	0.000
Hydrogen	H2: 0.012	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 11.746	0.000
Carbon Dioxide	CO2: 0.079	0.000
Methane	C1: 75.873	0.000
Ethane	C2: 5.153	1.378
Propane	C3: 4.098	1.129
Iso Butane	iC4: 0.518	0.169
Normal Butane	nC4: 1.310	0.413
Iso Pentane	iC5: 0.248	0.091
Normal Pentane	nC5: 0.326	0.118
Hexanes Plus	C6+: 0.321	0.140

TOTAL: 100.000 3.439

Z Fact: 0.9974

SP.GR.: 0.7149

BTU (SAT): 1046.3 @ 14.73 psia

BTU (DRY): 1064.9 @ 14.73 psia

OCTANE RATING: 110.1

COMMENTS:

0.000