

NATURAL GAS ANALYSIS REPORT

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Lab Number:	20055610	Analyzed:	11/15/05
Sample From:	Merrill Ranchy 1-34	Pressure:	
Producer:	Castelli Exploration	Temperature:	
Date:		Location:	34-33-16
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Mississippi

		Mole %	GPM
Helium	He:	0.072	0.000
Hydrogen	H2:	0.002	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	0.978	0.000
Carbon Dioxide	CO2:	0.100	0.000
Methane	C1:	92.686	0.000
Ethane	C2:	3.600	0.963
Propane	C3:	1.363	0.376
Iso Butane	iC4:	0.199	0.065
Normal Butane	nC4:	0.422	0.133
Iso Pentane	iC5:	0.119	0.044
Normal Pentane	nC5:	0.137	0.050
Hexanes Plus	C6+:	0.322	0.140

TOTAL: 100.000 1.770
Z Fact: 0.9977
SP.GR.: 0.6135
BTU (SAT): 1067.3 @ 14.73 psia
BTU (DRY): 1086.2 @ 14.73 psia
OCTANE RATING: 126.3

COMMENTS:

0.000