



Laboratory Services, Inc.

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FOR: Sante Fe Energy
Attention: Mr. Mike Ables
P. O. Box 2327
Carlsbad, New Mexico 88220

SAMPLE
IDENTIFICATION: Hackberry 18 #1
COMPANY: Sante Fe Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 12/5/97 3:00PM
ANALYSIS DATE: 12/6/97
PRESSURE - PSIG 354
SAMPLE TEMP. °F 90
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Ray Ables-Pro Well
ANALYSIS BY: Rolland Perry

REMARKS: 4 Point Test
Sampled At The Meter Run

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.43	
Carbon Dioxide (CO2)	0.70	
Methane (C1)	86.12	
Ethane (C2)	7.44	1.985
Propane (C3)	2.66	0.732
I-Butane (IC4)	0.42	0.136
N-Butane (NC4)	0.76	0.240
I-Pentane (IC5)	0.37	0.135
N-Pentane (NC5)	0.32	0.115
Hexane Plus (C6+)	0.78	0.321
	100.00	3.664

BTU/CU.FT. - DRY 1172
AT 14.650 DRY 1168
AT 14.650 WET 1148
AT 14.73 DRY 1174
AT 14.73 WET 1154

MOLECULAR WT. 19.5126

SPECIFIC GRAVITY -
CALCULATED 0.674
MEASURED