



Laboratory Services, Inc.

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Hobbs, New Mexico 88240
Telephone: (505) 397-3713

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

SAMPLE
IDENTIFICATION: Pontiac "7" Fed. Com #1
COMPANY: Santa Fe Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 11/17/97
ANALYSIS DATE: 11/17/97
PRESSURE - PSIG 150
SAMPLE TEMP °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Merv Busacker-Pro Well
ANALYSIS BY: Vickie Walker

REMARKS: Sample taken at the meter run.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.27	
Carbon Dioxide (CO2)	0.81	
Methane (C1)	95.15	
Ethane (C2)	2.83	0
Propane (C3)	0.54	0.148
i-Butane (IC4)	0.11	0.035
n-Butane (NC4)	0.09	0.028
i-Pentane (IC5)	0.05	0.017
n-Pentane (NC5)	0.05	0.020
Hexane Plus (C6+)	0.10	0.043
	100.00	1.047

BTU/CU.FT - DRY 1040
AT 14.650 DRY 1037
AT 14.650 WET 1019
AT 14.73 DRY 1042
AT 14.73 WET 1024

MOL SOLID

SPECIFIC GRAVITY -
CALCULATED 0.589
MEASURED