



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: Gaucho #2
COMPANY: Santa Fe Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 6/16/97 6:30 AM
ANALYSIS DATE: 6/16/97
PRESSURE - PSIG 100
SAMPLE TEMP. °F
ATMOS. TEMP. °F

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

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.28	
Carbon Dioxide (CO2)	0.54	
Methane (C1)	91.73	
Elhane (C2)	5.16	1.377
Propane (C3)	1.59	0.438
I-Butane (IC4)	0.19	0.061
N-Butane (NC4)	0.28	0.088
I-Pentane (IC5)	0.09	0.034
N-Pentane (NC5)	0.06	0.021
Hexane Plus (C6+)	0.08	0.034
	100.00	2.053

BTU/CU.FT. - DRY 1083
AT 14.650 DRY 1080
AT 14.650 WET 1061
AT 14.73 DRY 1085
AT 14.73 WET 1067

MOLECULAR WT. 17.7351

SPECIFIC GRAVITY -
CALCULATED 0.613
MEASURED