

**Laboratory Services, Inc.**

1331 Tasker Drive
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 #1
COMPANY: Santa Fe Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 10/28/96 5:25 PM
ANALYSIS DATE: 10/29/96
PRESSURE - PSIG 570
SAMPLE TEMP. °F
ATMOS. TEMP. °F

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

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.43	
Carbon Dioxide (CO2)	0.48	
Methane (C1)	95.70	
Ethane (C2)	2.37	0.633
Propane (C3)	0.52	0.144
I-Butane (IC4)	0.08	0.027
N-Butane (NC4)	0.11	0.035
I-Pentane (IC5)	0.12	0.042
N-Pentane (NC5)	0.06	0.022
Hexane Plus (C6+)	0.13	0.055
	100.00	0.958

BTU/CU.FT. - DRY 1041
AT 14.650 DRY 1038
AT 14.650 WET 1020
AT 14.73 DRY 1044
AT 14.73 WET 1026

MOLECULAR WT. 16.9836

SPECIFIC GRAVITY -
CALCULATED 0.587
MEASURED