



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: M. C. Fed. #1
COMPANY: Mack Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 10/20/99
ANALYSIS DATE: 10/20/99
PRESSURE - PSIG 36
SAMPLE TEMP. °F 70
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Ben Pena
ANALYSIS BY: Vickie Walker

REMARKS: Taken @ the meter run.
Crude Oil API Gravity = 61.6 @ 60° F

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	4.795	
Carbon Dioxide (CO2)	1.581	
Methane (C1)	84.055	
Ethane (C2)	5.546	1.480
Propane (C3)	1.784	0.490
I-Butane (IC4)	0.493	0.161
N-Butane (NC4)	0.614	0.193
I-Pentane (IC5)	0.321	0.117
N-Pentane (NC5)	0.266	0.096
Hexane Plus (C6+)	0.545	0.224
	100.000	2.761

BTU/CU.FT. - DRY 1077
AT 14.650 DRY 1074
AT 14.650 WET 1055
AT 14.73 DRY 1080
AT 14.73 WET 1061

MOLECULAR WT. 19.5123

SPECIFIC GRAVITY -
CALCULATED 0.674
MEASURED