



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Marathon Oil Company
Attention: Mr. Jim Patterson
P. O. Box 2409
Hobbs, New Mexico 88240

SAMPLE: IDENTIFICATION: Freedman St. #1
COMPANY: Marathon Oil Co.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 1/18/99 1:00 PM
ANALYSIS DATE: 1/20/99
PRESSURE - PSIG 210
SAMPLE TEMP. °F
ATMOS. TEMP. °F 60

GAS (XX) LIQUID ()
SAMPLED BY: Rolland Perry
ANALYSIS BY: Vickie Walker

REMARKS: H2S = 0
Sample taken from the test unit.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)	0.000	
Nitrogen (N2)	0.401	
Carbon Dioxide (CO2)	0.627	
Methane (C1)	92.340	
Ethane (C2)	2.937	0.784
Propane (C3)	2.003	0.551
I-Butane (IC4)	0.257	0.084
N-Butane (NC4)	0.467	0.147
I-Pentane (IC5)	0.149	0.054
N-Pentane (NC5)	0.098	0.035
Hexane Plus (C6+)	0.721	0.296
	<u>100.000</u>	<u>1.951</u>

BTU/CU.FT. - DRY 1103
AT 14.650 DRY 1099
AT 14.650 WET 1080
AT 14.73 DRY 1106
AT 14.73 WET 1086

MOLECULAR WT. 18.1864

SPECIFIC GRAVITY -
CALCULATED 0.628
MEASURED