



Laboratory Services, Inc.

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FOR: Matador Petroleum Company
Attention: Mr. Russ Mathis
415 W. Sall, Suite 1101
Midland, Texas 79701

SAMPLE: IDENTIFICATION: Brantly Fed. #1
COMPANY: Matador Petroleum Co.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 1/17/01 11:30 am
ANALYSIS DATE: 1/19/01
PRESSURE - PSIG 800
SAMPLE TEMP. °F 82
ATMOS. TEMP. °F 32

GAS (XX) LIQUID ()
SAMPLED BY: P.P.S.
ANALYSIS BY: Vickie Walker

REMARKS: H2S = 0

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)	0.000	
Nitrogen (N2)	0.248	
Carbon Dioxide (CO2)	0.837	
Methane (C1)	95.199	
Ethane (C2)	2.414	0.644
Propane (C3)	0.523	0.144
I-Butane (IC4)	0.064	0.021
N-Butane (NC4)	0.095	0.030
I-Pentane (IC5)	0.040	0.015
N-Pentane (NC5)	0.030	0.011
Hexane Plus (C6+)	0.550	0.239
	100.000	1.104
BTU/CU.FT. - DRY	1052	MOLECULAR WT. 17.3159
AT 14.650 DRY	1048	
AT 14.650 WET	1030	
AT 14.73 DRY	1054	
AT 14.73 WET	1036	
SPECIFIC GRAVITY -		
CALCULATED	0.597	
MEASURED		