



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

FOR:

Jarrel Services, Inc.
Attention: Mr. Donnie Dickerson
P. O. Box 1230
Hobbs, New Mexico 88240

SAMPLE

IDENTIFICATION: Grayburg Deep Unit #14

COMPANY: Phillips Petroleum Co.

LEASE:

PLANT:

SAMPLE DATA: DATE SAMPLED: 12/11/97

ANALYSIS DATE: 12/12/97

PRESSURE - PSIG

SAMPLE TEMP. °F

ATMOS. TEMP. °F

GAS (XX)

LIQUID ()

SAMPLED BY: Donnie Dickerson

ANALYSIS BY: Vickie Walker

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.70	
Carbon Dioxide (CO2)	2.63	
Methane (C1)	82.68	
Ethane (C2)	8.00	2.134
Propane (C3)	3.37	0.925
I-Butane (IC4)	0.53	0.174
N-Butane (NC4)	1.00	0.313
I-Pentane (IC5)	0.36	0.130
N-Pentane (NC5)	0.32	0.115
Hexane Plus (C6+)	0.41	0.170
	100.00	3.961

BTU/CU.FT. - DRY 1158

AT 14.650 DRY 1154

AT 14.650 WET 1134

AT 14.73 DRY 1161

AT 14.73 WET 1140

MOLECULAR WT. 20.2371

SPECIFIC GRAVITY -

CALCULATED 0.699

MEASURED