



Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Gruy Petroleum
Attention: Reggie Reston
P. O. Box 1237
Eunice, New Mexico 88231

SAMPLE:
IDENTIFICATION: State of N.M. 35 #3
COMPANY: Gruy Petroleum
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 9/29/05 4:00pm
ANALYSIS DATE: 9/30/05
PRESSURE - PSIG 65
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Reggie Reston
ANALYSIS BY: Vicki McDaniel

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)		
Nitrogen (N ₂)	1.285	
Carbon Dioxide (CO ₂)	0.400	
Methane (C ₁)	84.498	
Ethane (C ₂)	7.081	1.889
Propane (C ₃)	3.435	0.944
I-Butane (IC ₄)	0.711	0.232
N-Butane (NC ₄)	1.173	0.369
I-Pentane (IC ₅)	0.368	0.134
N-Pentane (NC ₅)	0.294	0.106
Hexane Plus (C ₆ +) <u>0.755</u>		<u>0.328</u>
	100.000	4.002
BTU/CU.FT. - DRY	1189	
AT 14.650 DRY	1185	
AT 14.650 WET	1165	
AT 14.73 DRY	1192	
AT 14.73 WET	1171	
SPECIFIC GRAVITY -		
CALCULATED	0.689	
MEASURED		
		MOLECULAR WT. 20.0045

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ASTM DISTILLATION

Gruy Petroleum
Attention: Mr. Reggie Reston
P. O. Box 1237
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Sample Date: 9/29/05
Sampled By: Ben Brown

State of NM 35 #003
Taken @ the Separator

Percent DistilledTemperature

IBP	104
5	146
10	171
20	199
30	221
40	244
50	276
60	316
70	376
80	459
90	588
EP	646

% Recovered = 94.0
% Residue = 2.0
% Loss = 4.0

API Gravity @ 60° F = 47.3

Vicki McDaniel

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SULFUR IN CRUDE OIL

Gruy Petroleum
Attention: Mr. Reggie Restong
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Sep 29, 2005

	Total Sulfur	API Gravity @ 60° F	Specific Gravity @ 60° F
State of NM 35 #003	0.0786 wt. 5	47.3	0.7914

Thank You,
Vicki McDaniel