

**** CERTIFICATE OF ANALYSIS ****

PHILLIPS PETROLEUM COMPANY
NATURAL GAS ANALYSIS
ODESSA, TEXAS

Producer: McClellan Oil
 Lease: SHELL "15" Fed Com OdeO NW
 County/State: CHAVEZ, NM.

Meter: 6
 ST/SYS:

Analysis

Secured: 09/15/88
 Sec By: CJ

Analyzed: 09/19/88
 Run By: B

Run No: G-467
 Trans Code: N

Components	Percents	GPMS	Plus GPMS
Hydrogen Sulfide	0.00		
Nitrogen	51.73		
Oxygen	0.00		
Carbon Dioxide	0.23		
Methane	23.37		
Ethane	9.01	2.397	7.422
Propane	6.78	1.858	5.025
I-Butane	1.34	0.436	
N-Butane	3.00	0.941	
I-Pentane	1.18	0.429	1.790
N-Pentane	1.19	0.429	
C6-Plus	2.17	0.932	
Total	100.000	7.422	

Test Car GPM Equivalent
 Z-Factor
 Calculated Specific Gravity
 Field Gravity (Ranarex)
 BTU's

Dry
 Saturated
 Delivery Condition
 Gas Factor
 Flowing Temperature
 Flowing Pressure

1.758
 0.99676
 1.048
 0.000
 912.45
 897.37
 887.91
 0.97310
 88.0
 11.00

H2S Comments:

Data from GPA Publication 2145-86

Pressure Base: 14.65 PSIA

Temperature Base: 60 Deg F

Date: 9-15-88	Baro: 16.70
Loc: Lasunghed	Atmos. Temp: 86°
State: New Mexico	Trap Press: 11#
County: CHAVEZ	Gas Temp: 88°
Loc: Lucky Lake, South	Type of Trap
Section: Queen	Heat () Conv ()
Company: McClellan Oil	H ₂ S: 4 PPM
Lease: 15, Federal Com.	CO ₂ : PG
Well: 15-15-88	Choke
Sampler: Gary Jetton	FTP
	Bomb Press: 11#

WFO 29.0
WFO 87

RECEIVED

APR 25 1990

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MOBBS OFFICE**