

Wildcat Measurement Service

PDS 06/25/00

P.O. Box 1836

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"Quality and Service is our First Concern"

Run No. 210816-01

Date Run 08/16/2001

Date Sampled 08/14/2001

Analysis for: UNIT PETROLEUM COMPANY

GPANGL 161

Well Name: PHILLY FEDERAL #1

Field: S. CARLSBAD

Sta. Number:

Purpose: SPOT

Sampling Temp: 101 DEG F

Volume/day: 105.2 MCF/DAY

Pressure on Cylinder: 204 PSIG

Producer: UNIT PETROLEUM COMPANY

County: BDDY

State: NM

Sampled By: DON NORMAN

Atmos Temp: 85 DEG F

Formation:

Line Pressure: 217.2 PSIA

GAS COMPONENT ANALYSIS

Pressure Base: 14.7300

	Mol %	GPM
Carbon Dioxide CO2	1.2058	
Nitrogen N2	0.3267	
Methane C1	96.1397	
Ethane C2	1.9065	0.5096
Propane C3	0.2540	0.0699
Iso-Butane IC4	0.0332	0.0109
Nor-Butane NC4	0.0313	0.0099
Iso-Pentane IC5	0.0114	0.0042
Nor-Pentane NC5	0.0000	
Hexanes Plus C6+	0.0914	0.0399
TOTAL	100.0000	0.6443

Real BTU Dry: 1020.74
 Real BTU Wet: 1002.98
 Real Calc. Specific Gravity: 0.5831
 Field Specific Gravity: 0.9000

Standard Pressure: 14.6960
 BTU Dry: 1018.39
 BTU Wet: 1000.67

Z Factor: 0.9979
 W Value: 1.3050
 Avg Mol Weight: 16.8621
 Avg CuFt/Gal: 58.5802
 26 Lb Product: 0.0736
 Methane+ GPM: 16.9396
 Ethane+ GPM: 0.6443
 Propane+ GPM: 0.1347
 Butane+ GPM: 0.0648
 Pentane+ GPM: 0.0440

REMARKS:

H2S ON LOCATION: NONE DETECTED

Approved by: DON NORMAN

Thu Aug 16 09:18:29 2001