

Centana Laboratories

Analytical Chemistry Laboratories

GAS ANALYSIS

ANALYSIS NO.: K95NGII-1819 DATE RUN: 5-16-95
COMPANY: PEPL COMPANY DATE SAMPLED: 5-11-95
DESCRIPTION: OXY
WELL NAME: ALEXANDER D2-29 LOCATION: 29-27-35
COUNTY: GRANT STATE: KS SAMPLED FROM: METER RUN #1
ZONE: PERF. FROM: TO: MS#: 8316-C
FIELD DETERMINATIONS: SAMPLE PRESS. (PSIG): 27 SAMPLE TEMP. (F):
HEATING VALUE (BTU): SPEC. GRAVITY:
REQUESTED BY: R. GRIFFIN SAMPLED BY: K. CAMERON

CHROMATOGRAPH METHOD (GPA 2261-86)

<u>COMPONENT</u>	<u>MOLE</u>	<u>G.P.M.*</u>
HELIUM	0.43	
HYDROGEN	0.00	
CARBON DIOXIDE	0.04	
NITROGEN	14.38	
METHANE	73.16	
ETHANE	6.36	1.701
PROPANE	3.63	1.000
I-BUTANE	0.41	0.134
N-BUTANE	0.99	0.312
I-PENTANE	0.19	0.069
N-PENTANE	0.20	0.072
HEXANES-PLUS	0.21	0.088

* CALCULATED VALUE BASED ON IDEAL
GAS VALUES FROM GPA 2145-94 AT
60F AND 14.73 PSIA.

** CALCULATED VALUE FROM GPA
2172-86 AND GAS VALUES FROM
GPA 2145-94.

--->THIS COPY FOR BTU PRICE ADJ.<---

TOTAL 100.00 3.376

** Z FACTOR AT 60F & 14.73 PSIA DRY

** GROSS HEATING VALUE PER CU.FT. @ 60F & 14.73 PSIA SAT. 1002.7 BTU

** GROSS HEATING VALUE PER CU.FT. @ 60F & 14.73 PSIA DRY 1019.6 BTU

** NET HEATING VALUE PER CU.FT. @ 60F & 14.73 PSIA SAT. 906.7 BTU

** NET HEATING VALUE PER CU.FT. @ 60F & 14.73 PSIA DRY 922.9 BTU

** RELATIVE DENSITY ((SPECIFIC GRAVITY) (AIR=1.00) DRY) 0.7123

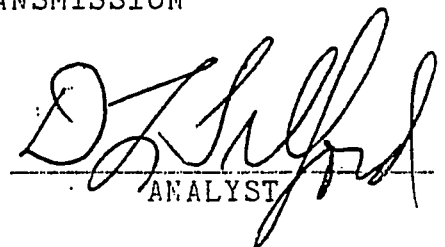
GROSS HEATING VALUE PER CU.FT. AT 60F & 14.73 PSIA SAT.

DETERMINED BY RECORDING CALORIMETER

REMARKS: AMBIENT TEMPERATURE 60F ANNUAL SAMPLE
COPY TO ULYSSES

CC: GASPAY-H AREA
CRC CSC

DISTRIBUTION #: 40
ORDER NUMBER: 017213
ACCOUNT NUMBER: T1LIGLB
INVOICE: TRANSMISSION


ANALYST

Occidental Oil and Gas

Houston, Texas

Gas Analysis Certificate Report

06/01/2004

13:35:45

Fontenot

Analysis ID: 8316P

Alternate ID: 8316

Alex D Z

Effective Date: 02/10/2004 13:05	Saturated HV: 1024.2	Sample Date: 02/10/2004
Valid Thru Date: 01/18/2038 00:00	As Delivered HV: 1024.2	Sample ID:
Last Update: 02/11/2004 03:31	Dry HV: 1024.2	Sample Type: Spot
Analysis Origin: Field Entry in RTU	Gravity: 0.7180	Sample Pressure Base: 14.730
Analysis Type: Lab analysis	Source: Import	Sample Temperature: 0.0
		Sample Pressure: 0.0

Component	% Mol	GPM		
Methane	72.6700		Gravity - Dry	0.00000
Ethane	6.3700	1.7026	Gravity - Saturated	0.00000
Propane	3.8100	1.0490		
I Butane	0.4300	0.1407		
N Butane	1.0700	0.3373		
I Pentane	0.2100	0.0768		
Pentane	0.2400	0.0869		
Hexane	0.1900	0.0781		
Heptane	0.0000	0.0000		
Octane	0.0000	0.0000		
Nonane	0.0000	0.0000		
Decane	0.0000	0.0000		
Nitrogen	14.6060			
CO2	0.0370			
Oxygen	0.0000			
H2O	0.0000			
CO	0.0000			
H2S	0.0000			
Hydrogen	0.0000			
Helium	0.3700			
Argon	0.0000			
Total	100.0030	3.4714		

Comments: