

Centana Laboratories

Analytical Chemistry Laboratories

GAS ANALYSIS

ANALYSIS NO.: K94NGII-585

DATE RUN: 2-10-94

COMPANY: PEPL COMPANY

DATE SAMPLED: 1-24-94.

DESCRIPTION: OXY

WELL NAME: ADAMS N3-30

LOCATION: 30-27-35

COUNTY: GRANT

STATE: KS

SAMPLED FROM: METER RUN #1

ZONE:

PERF. FROM:

TO:

MS#: 8588-C

FIELD DETERMINATIONS: SAMPLE PRESS. (PSIG): 61

SAMPLE TEMP. (F): 63

HEATING VALUE (BTU):

SPEC. GRAVITY:

REQUESTED BY: S.J. STEPP

SAMPLED BY: K.W. FEESE

CHROMATOGRAPH METHOD (GPA 2261-86)

<u>COMPONENT</u>	<u>MOL%</u>	<u>G.P.M.*</u>
HELIUM	0.41	
HYDROGEN	0.00	
CARBON DIOXIDE	0.06	
NITROGEN	13.78	
METHANE	73.85	
ETHANE	6.28	1.679
PROPANE	3.61	0.994
I-BUTANE	0.42	0.137
N-BUTANE	1.00	0.315
I-PENTANE	0.19	0.069
N-PENTANE	0.23	0.083
HEXANES-PLUS	0.17	0.071
TOTAL	100.00	3.348

* CALCULATED VALUE BASED ON IDEAL
GAS VALUES FROM GPA 2145-88 AT
60F AND 14.73 PSIA.

** CALCULATED VALUE FROM GPA
2172-86 AND GAS VALUES FROM
GPA 2145-88.

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

** Z FACTOR AT 60F & 14.73 PSIA DRY

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

1007.4 BTU

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

1024.4 BTU

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

910.9 BTU

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

927.2 BTU

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

0.7099

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

DETERMINED BY RECORDING CALORIMETER

SAMPLE CONTAINED .48% OXYGEN. THE OXYGEN AND A CORRESPONDING AMOUNT OF
NITROGEN TO EQUAL AIR WAS REMOVED AND THE ANALYSIS NORMALIZED TO 100%.

REMARKS: ANNUAL SAMPLE

COPY TO ULYSSES

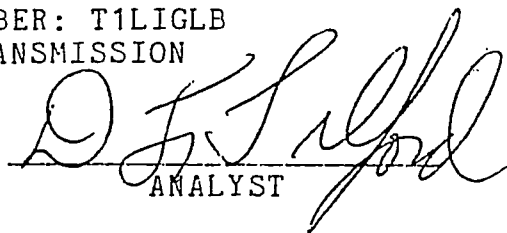
CC:

DISTRIBUTION #: 284

ORDER NUMBER: 014454

ACCOUNT NUMBER: T1LIGLB

INVOICE: TRANSMISSION


ANALYST

Occidental Oil and Gas

Houston, Texas

Gas Analysis Certificate Report

06/01/2004

13:36:44

Fontenot

Analysis ID: 3408P

Adams N 3

Alternate ID: 3408

Effective Date: 02/10/2004 12:55	Saturated HV: 1027.6	Sample Date: 02/10/2004
Valid Thru Date: 01/18/2038 00:00	As Delivered HV: 1027.6	Sample ID:
Last Update: 02/11/2004 03:30	Dry HV: 1027.6	Sample Type: Spot
Analysis Origin: Field Entry in RTU	Gravity: 0.7170	Sample Pressure Base: 14.650
Analysis Type: Lab analysis	Source: Import	Sample Temperature: 0.0
		Sample Pressure: 0.0

Component	% Mol	GPM		
Methane	72.9900		Gravity - Dry	0.00000
Ethane	6.4100	1.7040	Gravity - Saturated	0.00000
Propane	3.8300	1.0488		
I Butane	0.4300	0.1399		
N Butane	1.0600	0.3324		
I Pentane	0.2100	0.0764		
Pentane	0.2400	0.0864		
Hexane	0.1800	0.0736		
Heptane	0.0000	0.0000		
Octane	0.0000	0.0000		
Nonane	0.0000	0.0000		
Decane	0.0000	0.0000		
Nitrogen	14.2620			
CO2	0.0340			
Oxygen	0.0000			
H2O	0.0000			
CO	0.0000			
H2S	0.0000			
Hydrogen	0.0000			
Helium	0.3600			
Argon	0.0000			
Total	100.0060	3.4615		

Comments: