



OIL CONS. DIV DIST. 3

JUN 26 2015

API #3004509516

2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: CP150289

Cust No: 18300-26965

30-045-09516

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: MORRIS A-4 FC; BHD
County/State: SAN JUAN NM
Location: G15-30N-11W
Field:
Formation: FRUITLAND COAL
Cust. Stn. No.: AM0234590NO

Source: BRADENHEAD
Pressure: 22 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/26/2015
Sampled By: DON THOMPSON
Foreman/Engr.: PHILIP OUELLETTE

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.092	0.1200	0.00	0.0106
CO2	0.017	0.0030	0.00	0.0003
Methane	88.220	14.9930	891.02	0.4887
Ethane	7.556	2.0260	133.72	0.0784
Propane	1.753	0.4840	44.11	0.0267
Iso-Butane	0.471	0.1550	15.32	0.0095
N-Butane	0.356	0.1130	11.61	0.0071
I-Pentane	0.221	0.0810	8.84	0.0055
N-Pentane	0.054	0.0200	2.16	0.0013
Hexane Plus	0.260	0.1160	13.70	0.0086
Total	100.000	18.1110	1120.49	0.6367

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1126.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1106.5

REAL SPECIFIC GRAVITY: 0.6381

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1120.0

DRY BTU @ 14.696: 1123.5

DRY BTU @ 14.730: 1126.1

DRY BTU @ 15.025: 1148.7

CYLINDER #: 15

CYLINDER PRESSURE: 30 PSIG

DATE RUN: 6/9/15 1:05 PM

ANALYSIS RUN BY: Kindra Anderson



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: MORRIS A-4 FC; BHD
Stn. No.:
Mtr. No.: AM0234590NO

BRADENHEAD
FRUITLAND COAL

06/12/2015
18300-26965

Smpl Date: 05/26/2015
Test Date: 06/09/2015
Run No: CP150289
Nitrogen: 1.092
CO2: 0.017
Methane: 88.220
Ethane: 7.556
Propane: 1.753
I-Butane: 0.471
N-Butane: 0.356
I-Pentane: 0.221
N-Pentane: 0.054
Hexane+: 0.260
BTU: 1126.1
GPM: 18.1110
SPG: 0.6381



OIL CONS. DIV DIST. 3

JUN 26 2015

API #3004509516

2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: CP150290

Cust No: 18300-26970

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: MORRIS A-4 FC; CSG
County/State: SAN JUAN CO
Location: G15-30N-11W
Field:
Formation: FRUITLAND COAL
Cust. Strn. No.:
AM0234590NO

Source: CASING
Pressure: 67 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/26/2015
Sampled By: DON THOMPSON
Foreman/Engr.: PHILIP OUELLETTE

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.598	0.2860	0.00	0.0251
CO2	0.013	0.0020	0.00	0.0002
Methane	94.928	16.1230	958.77	0.5258
Ethane	1.753	0.4700	31.02	0.0182
Propane	0.459	0.1270	11.55	0.0070
Iso-Butane	0.133	0.0440	4.33	0.0027
N-Butane	0.042	0.0130	1.37	0.0008
I-Pentane	0.021	0.0080	0.84	0.0005
N-Pentane	0.007	0.0030	0.28	0.0002
Hexane Plus	0.046	0.0210	2.42	0.0015
Total	100.000	17.0970	1010.59	0.5821

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1015.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 997.4

REAL SPECIFIC GRAVITY: 0.583

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1009.6

CYLINDER #: 40

DRY BTU @ 14.696: 1012.8

CYLINDER PRESSURE: 74 PSIG

DRY BTU @ 14.730: 1015.1

DATE RUN: 6/9/15 1:06 PM

DRY BTU @ 15.025: 1035.4

ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: MORRIS A-4 FC; CSG
Stn. No.:
Mtr. No.: AM0234590NO

CASING
FRUITLAND COAL

06/12/2015
18300-26970

Smpl Date: 05/26/2015
Test Date: 06/09/2015
Run No: CP150290

Nitrogen: 2.598
CO2: 0.013
Methane: 94.928
Ethane: 1.753
Propane: 0.459
I-Butane: 0.133
N-Butane: 0.042
I-Pentane: 0.021
N-Pentane: 0.007
Hexane+: 0.046

BTU: 1015.1
GPM: 17.0970
SPG: 0.5830