

30-045-05825



OIL CONS. DIV DIST. 3

SEP 10 2015

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

Analysis No: CP150469
Cust No: 18300-27210

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: NEWSOM #2 CSG
County/State: SAN JUAN
Location:
Field:
Formation: FRUITLAND COAL
Cust. Stn. No.:

Source: CASING
Pressure: 84 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 08/05/2015
Sampled By: DANNY TRUJILLO
Foreman/Engr.: KRISTIN WEYAND

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.638	0.0700	0.00	0.0062
CO2	0.086	0.0150	0.00	0.0013
Methane	95.200	16.1710	961.52	0.5273
Ethane	3.071	0.8230	54.35	0.0319
Propane	0.733	0.2020	18.44	0.0112
Iso-Butane	0.187	0.0610	6.08	0.0038
N-Butane	0.040	0.0130	1.30	0.0008
I-Pentane	0.027	0.0100	1.08	0.0007
N-Pentane	0.008	0.0030	0.32	0.0002
Hexane Plus	0.010	0.0040	0.53	0.0003
Total	100.000	17.3720	1043.62	0.5836

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1048.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1030.1
REAL SPECIFIC GRAVITY: 0.5846

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

DRY BTU @ 14.650: 1042.6
DRY BTU @ 14.696: 1045.9
DRY BTU @ 14.730: 1048.3
DRY BTU @ 15.025: 1069.3

CYLINDER #: 6242
CYLINDER PRESSURE: 84 PSIG
DATE RUN: 8/25/15 3:28 PM
ANALYSIS RUN BY: PATRICIA KING

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: NEWSOM #2 CSG
Stn. No.:
Mtr. No.:

CASING
FRUITLAND COAL

08/27/2015
18300-27210

Smpl Date: 08/05/2015
Test Date: 08/25/2015
Run No: CP150469

Nitrogen: 0.638
CO2: 0.086
Methane: 95.200
Ethane: 3.071
Propane: 0.733
I-Butane: 0.187
N-Butane: 0.040
I-Pentane: 0.027
N-Pentane: 0.008
Hexane+: 0.010

BTU: 1048.3
GPM: 17.3720
SPG: 0.5846



30-045-05825

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

Analysis No: CP150468
Cust No: 18300-27205

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: NEWSOM #2 BHD
County/State: SAN JUAN
Location:
Field:
Formation: FRUITLAND COAL
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 17 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 08/05/2015
Sampled By: DANNY TRUJILLO
Foreman/Engr.: KRISTIN WEYAND

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.640	0.0710	0.00	0.0062
CO2	0.079	0.0140	0.00	0.0012
Methane	95.124	16.1580	960.75	0.5269
Ethane	3.098	0.8300	54.83	0.0322
Propane	0.742	0.2050	18.67	0.0113
Iso-Butane	0.188	0.0620	6.11	0.0038
N-Butane	0.040	0.0130	1.30	0.0008
I-Pentane	0.021	0.0080	0.84	0.0005
N-Pentane	0.003	0.0010	0.12	0.0001
Hexane Plus	0.065	0.0290	3.43	0.0022
Total	100.000	17.3910	1046.05	0.5851

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1050.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1032.5
REAL SPECIFIC GRAVITY: 0.5861

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

DRY BTU @ 14.650: 1045.1
DRY BTU @ 14.696: 1048.4
DRY BTU @ 14.730: 1050.8
DRY BTU @ 15.025: 1071.8

CYLINDER #: 6191
CYLINDER PRESSURE: 17 PSIG
DATE RUN: 8/25/15 3:27 PM
ANALYSIS RUN BY: Kindra Anderson



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: NEWSOM #2 BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
FRUITLAND COAL

08/27/2015
18300-27205

Smpl Date: 08/05/2015
Test Date: 08/25/2015
Run No: CP150468
Nitrogen: 0.640
CO2: 0.079
Methane: 95.124
Ethane: 3.098
Propane: 0.742
I-Butane: 0.188
N-Butane: 0.040
I-Pentane: 0.021
N-Pentane: 0.003
Hexane+: 0.065
BTU: 1050.8
GPM: 17.3910
SPG: 0.5861