



OIL CONS. DIV DIST. 3

JUN 26 2015

API #3004531178
2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP150302
Cust No: 18300-27030

30-045-31178

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FEE 100 BHD
County/State: SAN JUAN
Location: H08-30N-11W
Field:
Formation: FRUITLAND COAL
Cust. Stn. No.:
AM02372026NOSource: BRADENHEAD
Pressure: 8 PSIG
Sample Temp: 55 DEG. F
Well Flowing: Y
Date Sampled: 06/10/2015
Sampled By: TIM EMERY
Foreman/Engr.:Remarks: PRESSURED WITH HELIUM TO 30 LBS
W/O#: 20852690

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	33.189	3.6560	0.00	0.3210
CO2	0.078	0.0130	0.00	0.0012
Methane	63.492	10.7760	641.27	0.3517
Ethane	2.485	0.6650	43.98	0.0258
Propane	0.333	0.0920	8.38	0.0051
Iso-Butane	0.183	0.0600	5.95	0.0037
N-Butane	0.048	0.0150	1.57	0.0010
I-Pentane	0.045	0.0160	1.80	0.0011
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.147	0.0660	7.75	0.0049
Total	100.000	15.3590	710.69	0.7154

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0014
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 713.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 700.9
REAL SPECIFIC GRAVITY: 0.7161GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 709.4
DRY BTU @ 14.696: 711.7
DRY BTU @ 14.730: 713.3
DRY BTU @ 15.025: 727.6CYLINDER #: 6105
CYLINDER PRESSURE: PSIG
DATE RUN: 6/18/15 1:51 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: FEE 100 BHD

Stn. No.:

Mtr. No.: AM02372026NO

BRADENHEAD

FRUITLAND COAL

06/18/2015

18300-27030

Smpl Date: 06/10/2015

Test Date: 06/18/2015

Run No: CP150302

Nitrogen: 33.189

CO2: 0.078

Methane: 63.492

Ethane: 2.485

Propane: 0.333

I-Butane: 0.183

N-Butane: 0.048

I-Pentane: 0.045

N-Pentane: 0.000

Hexane+: 0.147

BTU: 713.3

GPM: 15.3590

SPG: 0.7161



OIL CONS. DIV DIST. 3

JUN 26 2015

API #3004531178
2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP150304
Cust No: 18300-27040**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FEE 100 TBG
County/State: SAN JUAN
Location: H08-30N-11W
Field:
Formation: FRUITLAND COAL
Cust. Stn. No.:
AM02372026NOSource: TUBING
Pressure: 8 PSIG
Sample Temp: 55 DEG. F
Well Flowing: Y
Date Sampled: 06/10/2015
Sampled By: TIM EMERY
Foreman/Engr.:Remarks: PRESSURED WITH HELIUM TO 30 LBS
W/O#: 20852690**Analysis**

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.453	0.0500	0.00	0.0044
CO2	3.501	0.5990	0.00	0.0532
Methane	95.252	16.1780	962.05	0.5276
Ethane	0.430	0.1150	7.61	0.0045
Propane	0.149	0.0410	3.75	0.0023
Iso-Butane	0.031	0.0100	1.01	0.0006
N-Butane	0.046	0.0150	1.50	0.0009
I-Pentane	0.019	0.0070	0.76	0.0005
N-Pentane	0.013	0.0050	0.52	0.0003
Hexane Plus	0.106	0.0470	5.59	0.0035
Total	100.000	17.0670	982.78	0.5978

* @ 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): 987.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 969.9

REAL SPECIFIC GRAVITY: 0.5988

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

DRY BTU @ 14.650: 981.7

DRY BTU @ 14.696: 984.8

DRY BTU @ 14.730: 987.1

DRY BTU @ 15.025: 1006.9

CYLINDER #: 4115

CYLINDER PRESSURE: PSIG

DATE RUN: 6/18/15 1:56 PM

ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: FEE 100 TBG

Stn. No.:

Mtr. No.: AM02372026NO

TUBING

FRUITLAND COAL

06/18/2015

18300-27040

Smpl Date: 06/10/2015

Test Date: 06/18/2015

Run No: CP150304

Nitrogen: 0.453

CO2: 3.501

Methane: 95.252

Ethane: 0.430

Propane: 0.149

I-Butane: 0.031

N-Butane: 0.046

I-Pentane: 0.019

N-Pentane: 0.013

Hexane+: 0.106

BTU: 987.1

GPM: 17.0670

SPG: 0.5988

**OIL CONS. DIV DIST. 3****JUN 26 2015**API #3004531178
2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP150303
Cust No: 18300-27035**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FEE 100 CSG
County/State: SAN JUAN
Location: H08-30N-11W
Field:
Formation: FRUITLAND COAL
Cust. Stn. No.:
AM02372026NOSource: CASING
Pressure: 8 PSIG
Sample Temp: 55 DEG. F
Well Flowing: Y
Date Sampled: 06/10/2015
Sampled By: TIM EMERY
Foreman/Engr.:Remarks: PRESSURED WITH HELIUM TO 30 LBS
W/O#: 20852690**Analysis**

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.092	0.0100	0.00	0.0009
CO2	3.600	0.6160	0.00	0.0547
Methane	95.518	16.2230	964.73	0.5291
Ethane	0.442	0.1180	7.82	0.0046
Propane	0.159	0.0440	4.00	0.0024
Iso-Butane	0.034	0.0110	1.11	0.0007
N-Butane	0.051	0.0160	1.66	0.0010
I-Pentane	0.019	0.0070	0.76	0.0005
N-Pentane	0.020	0.0070	0.80	0.0005
Hexane Plus	0.065	0.0290	3.43	0.0022
Total	100.000	17.0810	984.31	0.5965

* @ 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): 988.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 971.5
REAL SPECIFIC GRAVITY: 0.5975GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 983.3
DRY BTU @ 14.696: 986.4
DRY BTU @ 14.730: 988.7
DRY BTU @ 15.025: 1008.5CYLINDER #: 4076
CYLINDER PRESSURE: PSIG
DATE RUN: 6/18/15 1:54 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: FEE 100 CSG

Stn. No.:

Mtr. No.: AM02372026NO

CASING

FRUITLAND COAL

06/18/2015

18300-27035

Smpl Date: 06/10/2015

Test Date: 06/18/2015

Run No: CP150303

Nitrogen: 0.092

CO2: 3.600

Methane: 95.518

Ethane: 0.442

Propane: 0.159

I-Butane: 0.034

N-Butane: 0.051

I-Pentane: 0.019

N-Pentane: 0.020

Hexane+: 0.065

BTU: 988.7

GPM: 17.0810

SPG: 0.5975