



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

Analysis No: CP170401
Cust No: 18300-32565

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: WILMUTH 100; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: FC
Cust. Stn. No.:
300453491800S01

Source: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 07/20/2017
Sampled By: JERAN GOULD
Foreman/Engr.:

Remarks: WO# 9268483

OIL CONS. DIV DIST. 3

JUL 25 2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	6.300	0.6950	0.00	0.0609
CO2	0.032	0.0060	0.00	0.0005
Methane	85.455	14.5180	863.10	0.4733
Ethane	4.871	1.3050	86.20	0.0506
Propane	2.008	0.5540	50.52	0.0306
Iso-Butane	0.392	0.1290	12.76	0.0079
N-Butane	0.462	0.1460	15.06	0.0093
I-Pentane	0.173	0.0630	6.90	0.0043
N-Pentane	0.124	0.0450	4.95	0.0031
Hexane Plus	0.184	0.0820	9.72	0.0061
Total	100.000	17.5430	1049.20	0.6465

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1054.2

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1035.9

REAL SPECIFIC GRAVITY: 0.6478

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

DRY BTU @ 14.650: 1048.5

DRY BTU @ 14.696: 1051.8

DRY BTU @ 14.730: 1054.2

DRY BTU @ 15.025: 1075.3

CYLINDER #: 6030

CYLINDER PRESSURE: 11 PSIG

DATE RUN: 7/21/17 12:23 PM

ANALYSIS RUN BY: PATRICIA KING

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: WILMUTH 100; BHD
Stn. No.:
Mtr. No.: 300453491800S01

BRADENHEAD
FC

07/21/2017
18300-32565

Smpl Date: 07/20/2017
Test Date: 07/21/2017
Run No: CP170401

Nitrogen: 6.300
CO2: 0.032
Methane: 85.455
Ethane: 4.871
Propane: 2.008
I-Butane: 0.392
N-Butane: 0.462
I-Pentane: 0.173
N-Pentane: 0.124
Hexane+: 0.184

BTU: 1054.2
GPM: 17.5430
SPG: 0.6478



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

Analysis No: CP170402
Cust No: 18300-32570

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: WILMUTH 100; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: FC
Cust. Stn. No.:
300453491800S01

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 07/20/2017
Sampled By: JERAN GOULD
Foreman/Engr.:

OIL CONS. DIV DIST. 3
JUL 25 2017

Remarks: WO# 9268483

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.494	0.2750	0.00	0.0241
CO2	0.093	0.0160	0.00	0.0014
Methane	83.730	14.2350	845.67	0.4638
Ethane	7.632	2.0470	135.07	0.0792
Propane	3.127	0.8640	78.67	0.0476
Iso-Butane	0.520	0.1710	16.91	0.0104
N-Butane	0.871	0.2750	28.41	0.0175
I-Pentane	0.308	0.1130	12.33	0.0077
N-Pentane	0.227	0.0830	9.11	0.0057
Hexane Plus	0.998	0.4470	52.63	0.0330
Total	100.000	18.5260	1178.79	0.6904

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1185.2

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1164.6

REAL SPECIFIC GRAVITY: 0.6923

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

DRY BTU @ 14.650: 1178.8

DRY BTU @ 14.696: 1182.5

DRY BTU @ 14.730: 1185.2

DRY BTU @ 15.025: 1208.9

CYLINDER #: 6144

CYLINDER PRESSURE: 21 PSIG

DATE RUN: 7/21/17 12:26 PM

ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: WILMUTH 100; CSG
Stn. No.:
Mtr. No.: 300453491800S01

CASING
FC

07/21/2017
18300-32570

Smpl Date: 07/20/2017
Test Date: 07/21/2017
Run No: CP170402

Nitrogen: 2.494
CO2: 0.093
Methane: 83.730
Ethane: 7.632
Propane: 3.127
I-Butane: 0.520
N-Butane: 0.871
I-Pentane: 0.308
N-Pentane: 0.227
Hexane+: 0.998

BTU: 1185.2
GPM: 18.5260
SPG: 0.6923