



API #3003906876

OIL CONS. DIV DIST. 3

MAR 30 2016

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160026
Cust No: 18300-25650**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #17 CSG
County/State: RIO ARRIBA NM
Location: M29-27N-05W
Field:
Formation: MESA VERDE
Cust. Stn. No.: 3003906876
AM02346214NO

Source: CASING
Pressure: 200 PSIG
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/21/2016
Sampled By: STAHL
Foreman/Engr.: MICHELLE BENTSON

Remarks: API: 300390687600S01

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.339	0.0370	0.00	0.0033
CO2	0.872	0.1490	0.00	0.0132
Methane	85.066	14.4620	859.17	0.4712
Ethane	7.466	2.0020	132.12	0.0775
Propane	3.609	0.9970	90.81	0.0549
Iso-Butane	0.659	0.2160	21.43	0.0132
N-Butane	0.960	0.3040	31.32	0.0193
I-Pentane	0.346	0.1270	13.84	0.0086
N-Pentane	0.246	0.0890	9.86	0.0061
Hexane Plus	0.437	0.1950	23.03	0.0145
Total	100.000	18.5780	1181.58	0.6819

* @ 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): 1188.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1167.3
REAL SPECIFIC GRAVITY: 0.6837

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

DRY BTU @ 14.650: 1181.5
DRY BTU @ 14.696: 1185.3
DRY BTU @ 14.730: 1188.0
DRY BTU @ 15.025: 1211.8

CYLINDER #: 6242
CYLINDER PRESSURE: 204 PSIG
DATE RUN: 3/22/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #17 CSG
Stn. No.: 3003906876
Mtr. No.: AM02346214NO

CASING
MESA VERDE

03/24/2016
18300-25650

Smpl Date:	03/21/2016	08/19/2014	02/26/2014
Test Date:	03/22/2016	08/19/2014	03/25/2014
Run No:	CP160026	CP140699	CP140193
Nitrogen:	0.339	0.331	0.333
CO2:	0.872	1.123	1.147
Methane:	85.066	84.309	84.398
Ethane:	7.466	7.649	7.643
Propane:	3.609	3.684	3.651
I-Butane:	0.659	0.668	0.662
N-Butane:	0.960	0.977	0.950
I-Pentane:	0.346	0.367	0.348
N-Pentane:	0.246	0.271	0.253
Hexane+:	0.437	0.621	0.615
BTU:	1188.0	1198.0	1195.1
GPM:	18.5780	18.6740	18.6540
SPG:	0.6837	0.6942	0.6927



API #3003906876

OIL CONS. DIV DIST. 3

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

MAR 30 2016

Analysis No: CP160027
Cust No: 18300-25800**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #17 INTRM
County/State: RIO ARRIBA
Location: M29-27N-05W
Field:
Formation: MESA VERDE
Cust. Stn. No.: 9274014
9675943

Source: INTERMEDIATE
Pressure: 365 PSIG
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/21/2016
Sampled By: STAHL
Foreman/Engr.: MICHELLE BENTSON

Remarks: API: 300390687600S01

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.747	0.0820	0.00	0.0072
CO2	0.003	0.0010	0.00	0.0000
Methane	90.303	15.3450	912.06	0.5002
Ethane	5.319	1.4260	94.13	0.0552
Propane	2.328	0.6430	58.57	0.0354
Iso-Butane	0.539	0.1770	17.53	0.0108
N-Butane	0.397	0.1250	12.95	0.0080
I-Pentane	0.139	0.0510	5.56	0.0035
N-Pentane	0.072	0.0260	2.89	0.0018
Hexane Plus	0.153	0.0680	8.06	0.0051
Total	100.000	17.9440	1111.76	0.6272

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1117.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1097.8
REAL SPECIFIC GRAVITY: 0.6286

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

DRY BTU @ 14.650: 1111.1
DRY BTU @ 14.696: 1114.6
DRY BTU @ 14.730: 1117.2
DRY BTU @ 15.025: 1139.6

CYLINDER #: 4148
CYLINDER PRESSURE: 397 PSIG
DATE RUN: 3/22/16 12:00 AM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #17 INTRM
Stn. No.: 9274014
Mtr. No.: 9675943

INTERMEDIATE
MESA VERDE

03/24/2016
18300-25800

Smpl Date:	03/21/2016	08/19/2014	04/03/2014
Test Date:	03/22/2016	08/19/2014	04/04/2014
Run No:	CP160027	CP140700	CP140237
Nitrogen:	0.747	29.874	0.724
CO2:	0.003	0.038	0.001
Methane:	90.303	61.233	87.823
Ethane:	5.319	4.057	6.078
Propane:	2.328	2.419	3.602
I-Butane:	0.539	0.718	0.835
N-Butane:	0.397	0.637	0.610
I-Pentane:	0.139	0.279	0.166
N-Pentane:	0.072	0.163	0.082
Hexane+:	0.153	0.582	0.079
BTU:	1117.2	847.3	1152.2
GPM:	17.9440	16.3090	18.2250
SPG:	0.6286	0.7663	0.6508