



OIL CONS. DIV DIST. 3

MAY 18 2016

API #3003923683

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160241
Cust No: 18300-18475**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 27-5 #84E INTRM.**
County/State: RIO ARRIBA
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 85866-010
A728810SM
API 3003923683Source: INTERMEDIATE
Pressure: 170 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 04/27/2016
Sampled By: GREG FIERMAN
Foreman/Engr.: MATTHEW MELTON

Remarks: W/O 9269157

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.320	0.0350	0.00	0.0031
CO2	1.099	0.1880	0.00	0.0167
Methane	83.646	14.2220	844.82	0.4633
Ethane	7.618	2.0430	134.82	0.0791
Propane	4.386	1.2120	110.36	0.0668
Iso-Butane	0.870	0.2860	28.29	0.0175
N-Butane	1.201	0.3800	39.18	0.0241
I-Pentane	0.387	0.1420	15.48	0.0096
N-Pentane	0.248	0.0900	9.94	0.0062
Hexane Plus	0.225	0.1010	11.86	0.0074
Total	100.000	18.6990	1194.75	0.6938

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1201.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1180.5
REAL SPECIFIC GRAVITY: 0.6958GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1194.9
DRY BTU @ 14.696: 1198.6
DRY BTU @ 14.730: 1201.4
DRY BTU @ 15.025: 1225.5CYLINDER #: 6032
CYLINDER PRESSURE: 179 PSIG
DATE RUN: 6/29/16 12:00 AM
ANALYSIS RUN BY: Shyann Elledge

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #84E INTRM.
Stn. No.: 85866-010
Mtr. No.: A728810SM

INTERMEDIATE
DAKOTA

05/13/2016
18300-18475

Smpl Date:	04/27/2016	02/25/2014	05/12/2010
Test Date:	06/29/2016	03/14/2014	05/13/2010
Run No:	CP160241	CP140151	CP100203
Nitrogen:	0.320	0.367	0.361
CO2:	1.099	0.299	0.309
Methane:	83.646	88.451	89.050
Ethane:	7.618	6.455	6.344
Propane:	4.386	2.760	2.568
I-Butane:	0.870	0.467	0.405
N-Butane:	1.201	0.632	0.511
I-Pentane:	0.387	0.211	0.134
N-Pentane:	0.248	0.144	0.083
Hexane+:	0.225	0.214	0.235
BTU:	1201.4	1144.2	1132.9
GPM:	18.6990	18.1950	18.1200
SPG:	0.6958	0.6466	0.6395



OIL CONS. DIV DIST. 3

MAY 18 2016

API #3003923683

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

Analysis No: CP160240

Cust No: 18300-18470

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY

Well Name: SAN JUAN 27-5 #84E CSG

County/State: RIO ARRIBA

Location:

Field:

Formation: DAKOTA

Cust. Stn. No.: 85866-010

A728810SM

API 3003923683

Source: CASING

Pressure: 265 PSIG

Sample Temp: DEG. F

Well Flowing: Y

Date Sampled: 04/27/2016

Sampled By: GREG FIERMAN

Foreman/Engr.: MATTHEW MELTON

Remarks: W/O 9269157

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.305	0.0340	0.00	0.0029
CO2	1.170	0.2000	0.00	0.0178
Methane	87.539	14.8780	884.14	0.4849
Ethane	7.239	1.9410	128.11	0.0752
Propane	2.011	0.5550	50.60	0.0306
Iso-Butane	0.463	0.1520	15.06	0.0093
N-Butane	0.488	0.1540	15.92	0.0098
I-Pentane	0.267	0.0980	10.68	0.0067
N-Pentane	0.148	0.0540	5.93	0.0037
Hexane Plus	0.370	0.1650	19.50	0.0122
Total	100.000	18.2310	1129.95	0.6530

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1135.7

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1115.9

REAL SPECIFIC GRAVITY: 0.6546

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

DRY BTU @ 14.650: 1129.5

DRY BTU @ 14.696: 1133.1

DRY BTU @ 14.730: 1135.7

DRY BTU @ 15.025: 1158.4

CYLINDER #: 6246

CYLINDER PRESSURE: 278 PSIG

DATE RUN: 4/29/16 12:00 AM

ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #84E CSG
Stn. No.: 85866-010
Mtr. No.: A728810SM

CASING
DAKOTA

05/13/2016
18300-18470

Smpl Date:	04/27/2016	02/25/2014	05/12/2010
Test Date:	04/29/2016	03/25/2014	05/13/2010
Run No:	CP160240	CP140200	CP100202
Nitrogen:	0.305	0.182	0.146
CO2:	1.170	1.098	1.145
Methane:	87.539	83.017	83.467
Ethane:	7.239	9.684	9.493
Propane:	2.011	3.309	3.144
I-Butane:	0.463	0.754	0.708
N-Butane:	0.488	0.871	0.799
I-Pentane:	0.267	0.499	0.434
N-Pentane:	0.148	0.298	0.256
Hexane+:	0.370	0.288	0.408
BTU:	1135.7	1199.7	1194.9
GPM:	18.2310	18.7760	18.7350
SPG:	0.6546	0.6931	0.6904