



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

Analysis No: CP140151
Cust No: 18300-18475

30-039.23683

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #84E
County/State: RIO ARRIBA
Location:
Field:
Formation: DAKOTA
Cust. Str. No.: 85866-010
A728810SM

Source: INTERMEDIATE
Pressure: 970 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: CHARLIE WELLS
Foreman/Engr.:

Remarks:

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.367	0.0400	0.00	0.0035
CO2	0.299	0.0510	0.00	0.0045
Methane	88.451	15.0330	893.36	0.4899
Ethane	6.455	1.7310	114.23	0.0670
Propane	2.760	0.7620	69.44	0.0420
Iso-Butane	0.467	0.1530	15.19	0.0094
N-Butane	0.632	0.2000	20.62	0.0127
I-Pentane	0.211	0.0770	8.44	0.0053
N-Pentane	0.144	0.0520	5.77	0.0036
Hexane Plus	0.214	0.0960	11.28	0.0071
Total	100.000	18.1950	1138.33	0.6450

* @ 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): 1144.2

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1124.3

REAL SPECIFIC GRAVITY: 0.6466

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

DRY BTU @ 14.650: 1138.0

DRY BTU @ 14.696: 1141.6

DRY BTU @ 14.730: 1144.2

DRY BTU @ 15.025: 1167.1

CYLINDER #: 6114

CYLINDER PRESSURE: 970 PSIG

DATE RUN: 3/14/14 1:02 PM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #84E
Stn. No.: 85866
Mtr. No.: API 3003923683

INTERMEDIATE
DAKOTA

04/16/2014
18300-18475

Smpl Date:	02/25/2014	05/12/2010
Test Date:	03/14/2014	05/13/2010
Run No:	CP140151	CP100203
Nitrogen:	0.367	0.361
CO2:	0.299	0.309
Methane:	88.451	89.050
Ethane:	6.455	6.344
Propane:	2.760	2.568
I-Butane:	0.467	0.405
N-Butane:	0.632	0.511
I-Pentane:	0.211	0.134
N-Pentane:	0.144	0.083
Hexane+:	0.214	0.235
BTU:	1144.2	1132.9
GPM:	18.1950	18.1200
SPG:	0.6466	0.6395



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

Analysis No: CP140200
Cust No: 18300-18470

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #84E
County/State: RIO ARRIBA
Location:
Field:
Formation: DAKOTA
Cust. Str. No.: 85866-010
A728810SM

Source: CASING
Pressure: 450 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: CHARLIE WELLS
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks: AREA 25

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.182	0.0200	0.00	0.0018
CO2	1.098	0.1880	0.00	0.0167
Methane	83.017	14.1150	838.47	0.4598
Ethane	9.684	2.5970	171.38	0.1005
Propane	3.309	0.9140	83.26	0.0504
Iso-Butane	0.754	0.2470	24.52	0.0151
N-Butane	0.871	0.2750	28.41	0.0175
I-Pentane	0.499	0.1830	19.96	0.0124
N-Pentane	0.298	0.1080	11.95	0.0074
Hexane Plus	0.288	0.1290	15.18	0.0095
Total	100.000	18.7760	1193.13	0.6912

* @ 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): 1199.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1178.8
REAL SPECIFIC GRAVITY: 0.6931

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

DRY BTU @ 14.650: 1193.2
DRY BTU @ 14.696: 1196.9
DRY BTU @ 14.730: 1199.7
DRY BTU @ 15.025: 1223.7

CYLINDER #: 035
CYLINDER PRESSURE: 418 PSIG
DATE RUN: 3/25/14 2:41 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #84E
Stn. No.: 85866
Mtr. No.: API 3003923683

CASING
DAKOTA

04/16/2014
18300-18470

Smpl Date:	02/25/2014	05/12/2010
Test Date:	03/25/2014	05/13/2010
Run No:	CP140200	CP100202
Nitrogen:	0.182	0.146
CO2:	1.098	1.145
Methane:	83.017	83.467
Ethane:	9.684	9.493
Propane:	3.309	3.144
I-Butane:	0.754	0.708
N-Butane:	0.871	0.799
I-Pentane:	0.499	0.434
N-Pentane:	0.298	0.256
Hexane+:	0.288	0.408
BTU:	1199.7	1194.9
GPM:	18.7760	18.7350
SPG:	0.6931	0.6904