



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

Analysis No: CP140226
Cust No: 18300-25775

30-039-07433

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #23 BHD
County/State: SAN JUAN
Location:
Field:
Formation: PC/MV
Cust. Stn. No.:
AM01841399NO

Source:
Pressure: .4 PSIA
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: DIRK SCANLAN
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks: PRESSURED WITH HELIUM TO 30 LBS

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	97.276	10.7040	0.00	0.9409
CO2	0.134	0.0230	0.00	0.0020
Methane	1.775	0.3010	17.93	0.0098
Ethane	0.135	0.0360	2.39	0.0014
Propane	0.071	0.0200	1.79	0.0011
Iso-Butane	0.000	0.0000	0.00	0.0000
N-Butane	0.022	0.0070	0.72	0.0004
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.587	0.2620	30.94	0.0194
Total	100.000	11.3530	53.76	0.9751

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0004
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 53.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 53.0
REAL SPECIFIC GRAVITY: 0.9751

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

DRY BTU @ 14.650: 53.6
DRY BTU @ 14.696: 53.8
DRY BTU @ 14.730: 53.9
DRY BTU @ 15.025: 55.0

CYLINDER #: 4004
CYLINDER PRESSURE: PSIG
DATE RUN: 3/28/14 12:00 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #23 BHD
Stn. No.:
Mtr. No.: AM01841399NO

PC/MV

04/16/2014
18300-25775

Smpl Date: 03/12/2014
Test Date: 03/28/2014
Run No: CP140226
Nitrogen: 97.276
CO2: 0.134
Methane: 1.775
Ethane: 0.135
Propane: 0.071
I-Butane: 0.000
N-Butane: 0.022
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 0.587
BTU: 53.9
GPM: 11.3530
SPG: 0.9751



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

Analysis No: CP140228
Cust No: 18300-25165

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #23 INTRM
County/State: SAN JUAN
Location:
Field:
Formation: PC/MV
Cust. Stn. No.: 71016
AM01841399NO

Source:
Pressure: 70 PSIA
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: DIRK SCANLAN
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	84.758	9.3280	0.00	0.8198
CO2	0.034	0.0060	0.00	0.0005
Methane	13.254	2.2480	133.87	0.0734
Ethane	0.399	0.1070	7.06	0.0041
Propane	0.477	0.1310	12.00	0.0073
Iso-Butane	0.323	0.1060	10.50	0.0065
N-Butane	0.429	0.1350	14.00	0.0086
I-Pentane	0.095	0.0350	3.80	0.0024
N-Pentane	0.059	0.0210	2.37	0.0015
Hexane Plus	0.172	0.0770	9.07	0.0057
Total	100.000	12.1940	192.66	0.9297

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0006
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 193.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 189.8
REAL SPECIFIC GRAVITY: 0.9299

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

DRY BTU @ 14.650: 192.2
DRY BTU @ 14.696: 192.8
DRY BTU @ 14.730: 193.2
DRY BTU @ 15.025: 197.1

CYLINDER #: 4127
CYLINDER PRESSURE: 65 PSIG
DATE RUN: 3/27/14 9:51 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #23 CSG
Stn. No.: 71016
Mtr. No.: AM01841399NO

PC/MV

04/01/2014
18300-25160

Smpl Date:	03/12/2014	07/28/2013
Test Date:	03/27/2014	08/01/2013
Run No:	CP140227	CP130741
Nitrogen:	0.668	0.448
CO2:	1.030	0.919
Methane:	87.255	86.957
Ethane:	5.847	5.928
Propane:	3.281	3.256
I-Butane:	0.574	0.566
N-Butane:	0.653	0.657
I-Pentane:	0.200	0.208
N-Pentane:	0.136	0.152
Hexane+:	0.356	0.909
BTU:	1145.4	1173.6
GPM:	18.2300	18.4120
SPG:	0.6625	0.6765



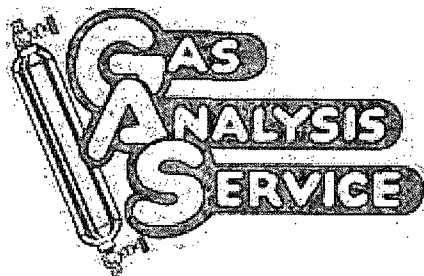
CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #23 INTRM
Stn. No.: 71016
Mtr. No.: AM01841399NO

PC/MV

04/01/2014
18300-25165

Smpl Date:	03/12/2014	07/28/2013
Test Date:	03/27/2014	08/01/2013
Run No:	CP140228	CP130742
Nitrogen:	84.758	85.662
CO2:	0.034	0.016
Methane:	13.254	12.090
Ethane:	0.399	0.373
Propane:	0.477	0.515
I-Butane:	0.323	0.384
N-Butane:	0.429	0.526
I-Pentane:	0.095	0.132
N-Pentane:	0.059	0.084
Hexane+:	0.172	0.218
BTU:	193.2	192.0
GPM:	12.1940	12.1900
SPG:	0.9299	0.9385



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #23 INTRM
Stn. No.: 71016
Mtr. No.: AM01841399NO

PC/MV

04/01/2014
18300-25165

Smpl Date:	03/12/2014	07/28/2013
Test Date:	03/27/2014	08/01/2013
Run No:	CP140228	CP130742
Nitrogen:	84.758	85.662
CO2:	0.034	0.016
Methane:	13.254	12.090
Ethane:	0.399	0.373
Propane:	0.477	0.515
I-Butane:	0.323	0.384
N-Butane:	0.429	0.526
I-Pentane:	0.095	0.132
N-Pentane:	0.059	0.084
Hexane+:	0.172	0.218
BTU:	193.2	192.0
GPM:	12.1940	12.1900
SPG:	0.9299	0.9385



OIL CONS. DIV DIST. 3

JAN 19 2016

API #30-039-07433

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP140227
Cust No: 18300-25160**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #23 CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: PC/MV
Cust. Str. No.: 71016
AM01841399NOSource:
Pressure: 86 PSIA
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: DIRK SCANLAN
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.668	0.0740	0.00	0.0065
CO2	1.030	0.1760	0.00	0.0157
Methane	87.255	14.8310	881.27	0.4833
Ethane	5.847	1.5680	103.48	0.0607
Propane	3.281	0.9060	82.55	0.0500
Iso-Butane	0.574	0.1880	18.67	0.0115
N-Butane	0.653	0.2060	21.30	0.0131
I-Pentane	0.200	0.0730	8.00	0.0050
N-Pentane	0.136	0.0490	5.45	0.0034
Hexane Plus	0.356	0.1590	18.77	0.0118
Total	100.000	18.2300	1139.49	0.6609

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1145.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1125.5
REAL SPECIFIC GRAVITY: 0.6625GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1139.2
DRY BTU @ 14.696: 1142.8
DRY BTU @ 14.730: 1145.4
DRY BTU @ 15.025: 1168.3CYLINDER #: 4179
CYLINDER PRESSURE: 88 PSIG
DATE RUN: 3/27/14 12:00 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #23 CSG
Stn. No.: 71016
Mtr. No.: AM01841399NO

PC/MV

04/01/2014
18300-25160

Smpl Date:	03/12/2014	07/28/2013
Test Date:	03/27/2014	08/01/2013
Run No:	CP140227	CP130741
Nitrogen:	0.668	0.448
CO2:	1.030	0.919
Methane:	87.255	86.957
Ethane:	5.847	5.928
Propane:	3.281	3.256
I-Butane:	0.574	0.566
N-Butane:	0.653	0.657
I-Pentane:	0.200	0.208
N-Pentane:	0.136	0.152
Hexane+:	0.356	0.909
BTU:	1145.4	1173.6
GPM:	18.2300	18.4120
SPG:	0.6625	0.6765