



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

Analysis No: CP140230
Cust No: 18300-25785

30-039-07448

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #74 CSG
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.:
AM01885300NO

Source:
Pressure: 95 PSIA
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: DIRK SCANLAN
Foreman/Engr.:

Remarks:

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.422	0.0470	0.00	0.0041
CO2	0.091	0.0160	0.00	0.0014
Methane	85.555	14.5450	864.10	0.4739
Ethane	7.769	2.0840	137.49	0.0807
Propane	3.615	0.9990	90.96	0.0550
Iso-Butane	0.566	0.1860	18.41	0.0114
N-Butane	0.822	0.2600	26.82	0.0165
I-Pentane	0.285	0.1050	11.40	0.0071
N-Pentane	0.206	0.0750	8.26	0.0051
Hexane Plus	0.669	0.2990	35.26	0.0221
Total	100.000	18.6160	1192.70	0.6773

* @ 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): 1199.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1178.3
REAL SPECIFIC GRAVITY: 0.6791

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

DRY BTU @ 14.650: 1192.7
DRY BTU @ 14.696: 1196.4
DRY BTU @ 14.730: 1199.2
DRY BTU @ 15.025: 1223.2

CYLINDER #: 6230
CYLINDER PRESSURE: 95 PSIG
DATE RUN: 3/28/14 9:53 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #74 CSG
Stn. No.:
Mtr. No.: AM01885300NO

MESA VERDE

04/01/2014
18300-25785

Smpl Date: 03/12/2014
Test Date: 03/28/2014
Run No: CP140230
Nitrogen: 0.422
CO2: 0.091
Methane: 85.555
Ethane: 7.769
Propane: 3.615
I-Butane: 0.566
N-Butane: 0.822
I-Pentane: 0.285
N-Pentane: 0.206
Hexane+: 0.669
BTU: 1199.2
GPM: 18.6160
SPG: 0.6791



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

Analysis No: CP140231
Cust No: 18300-25790

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #74 INTRM
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM01885300NO

Source:
Pressure: 93 PSIA
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: DIRK SCANLAN
Foreman/Engr.:

Remarks:

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.418	0.0460	0.00	0.0040
CO2	0.093	0.0160	0.00	0.0014
Methane	85.333	14.5090	861.86	0.4727
Ethane	7.778	2.0860	137.65	0.0808
Propane	3.679	1.0170	92.57	0.0560
Iso-Butane	0.588	0.1930	19.12	0.0118
N-Butane	0.863	0.2730	28.15	0.0173
I-Pentane	0.307	0.1130	12.28	0.0076
N-Pentane	0.225	0.0820	9.02	0.0056
Hexane Plus	0.716	0.3200	37.74	0.0237
Total	100.000	18.6550	1198.39	0.6809

* @ 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): 1205.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1184.0
REAL SPECIFIC GRAVITY: 0.6829

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

DRY BTU @ 14.650: 1198.5
DRY BTU @ 14.696: 1202.2
DRY BTU @ 14.730: 1205.0
DRY BTU @ 15.025: 1229.1

CYLINDER #: 4238
CYLINDER PRESSURE: 86 PSIG
DATE RUN: 3/28/14 9:54 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #74 INTRM
Stn. No.:
Mtr. No.: AM01885300NO

MESA VERDE

04/01/2014
18300-25790

Smpl Date: 03/12/2014
Test Date: 03/28/2014
Run No: CP140231

Nitrogen: 0.418
CO2: 0.093
Methane: 85.333
Ethane: 7.778
Propane: 3.679
I-Butane: 0.588
N-Butane: 0.863
I-Pentane: 0.307
N-Pentane: 0.225
Hexane+: 0.716

BTU: 1205.0
GPM: 18.6550
SPG: 0.6829



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

Analysis No: CP140229
Cust No: 18300-25780

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #74 BHD
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Str. No.: AM01885300NO

Source:
Pressure: 0 PSIA
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: DIRK SCANLAN
Foreman/Engr.:

Remarks: PRESSURED WITH HELIUM TO 30 LBS

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	99.791	10.9790	0.00	0.9652
CO2	0.085	0.0150	0.00	0.0013
Methane	0.000	0.0000	0.00	0.0000
Ethane	0.005	0.0010	0.09	0.0001
Propane	0.000	0.0000	0.00	0.0000
Iso-Butane	0.000	0.0000	0.00	0.0000
N-Butane	0.000	0.0000	0.00	0.0000
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.119	0.0530	6.27	0.0039
Total	100.000	11.0480	6.36	0.9705

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0003

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 6.4

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 6.3

REAL SPECIFIC GRAVITY: 0.9704

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

DRY BTU @ 14.650: 6.4

DRY BTU @ 14.696: 6.4

DRY BTU @ 14.730: 6.4

DRY BTU @ 15.025: 6.5

CYLINDER #: 4209

CYLINDER PRESSURE: PSIG

DATE RUN: 3/28/14 9:52 AM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #74 BHD
Stn. No.:
Mtr. No.: AM01885300NO

MESA VERDE

04/01/2014
18300-25780

Smpl Date: 03/12/2014
Test Date: 03/28/2014
Run No: CP140229
Nitrogen: 99.791
CO2: 0.085
Methane: 0.000
Ethane: 0.005
Propane: 0.000
I-Butane: 0.000
N-Butane: 0.000
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 0.119
BTU: 6.4
GPM: 11.0480
SPG: 0.9704