



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

Analysis No: CP140149
Cust No: 18300-25500

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-5 #14 INT
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 71552
9952572
API 3003907380

Source: INTERMEDIATE
Pressure: 642 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: J.BOWMAN
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.085	0.1200	0.00	0.0105
CO2	0.141	0.0240	0.00	0.0021
Methane	82.201	13.9770	830.23	0.4553
Ethane	8.160	2.1890	144.41	0.0847
Propane	5.958	1.6460	149.91	0.0907
Iso-Butane	0.887	0.2910	28.84	0.0178
N-Butane	1.150	0.3640	37.52	0.0231
I-Pentane	0.194	0.0710	7.76	0.0048
N-Pentane	0.124	0.0450	4.97	0.0031
Hexane Plus	0.100	0.0450	5.27	0.0033
Total	100.000	18.7720	1208.91	0.6955

* @ 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): 1215.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1194.4
REAL SPECIFIC GRAVITY: 0.6974

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

DRY BTU @ 14.650: 1209.0
DRY BTU @ 14.696: 1212.8
DRY BTU @ 14.730: 1215.6
DRY BTU @ 15.025: 1239.9

CYLINDER #: GAS186
CYLINDER PRESSURE: 468 PSIG
DATE RUN: 3/11/14 1:00 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #14 INT
Stn. No.: 71552
Mtr. No.: 9952572

INTERMEDIATE

03/20/2014
18300-25500

Smpl Date: 02/25/2014
Test Date: 03/11/2014
Run No: CP140149
Nitrogen: 1.085
CO2: 0.141
Methane: 82.201
Ethane: 8.160
Propane: 5.958
I-Butane: 0.887
N-Butane: 1.150
I-Pentane: 0.194
N-Pentane: 0.124
Hexane+: 0.100
BTU: 1215.6
GPM: 18.7720
SPG: 0.6974



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

Analysis No: CP140148
Cust No: 18300-25495

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-5 #14 CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 71552
9952572
API 3003907380

Source: CASING
Pressure: 164 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: J.BOWMAN
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.271	0.0300	0.00	0.0026
CO2	1.499	0.2570	0.00	0.0228
Methane	84.274	14.3280	851.17	0.4668
Ethane	8.563	2.2970	151.54	0.0889
Propane	3.314	0.9160	83.38	0.0505
Iso-Butane	0.321	0.1050	10.44	0.0064
N-Butane	0.757	0.2390	24.70	0.0152
I-Pentane	0.186	0.0680	7.44	0.0046
N-Pentane	0.179	0.0650	7.18	0.0045
Hexane Plus	0.636	0.2840	33.52	0.0210
Total	100.000	18.5890	1169.37	0.6833

* @ 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): 1175.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1155.2
REAL SPECIFIC GRAVITY: 0.6852

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

DRY BTU @ 14.650: 1169.3
DRY BTU @ 14.696: 1173.0
DRY BTU @ 14.730: 1175.7
DRY BTU @ 15.025: 1199.2

CYLINDER #: 2584
CYLINDER PRESSURE: 153 PSIG
DATE RUN: 3/11/14 12:58 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #14 CSG
Str. No.: 71552
Mtr. No.: 9952572

CASING

03/20/2014
18300-25495

Smpl Date: 02/25/2014
Test Date: 03/11/2014
Run No: CP140148
Nitrogen: 0.271
CO2: 1.499
Methane: 84.274
Ethane: 8.563
Propane: 3.314
I-Butane: 0.321
N-Butane: 0.757
I-Pentane: 0.186
N-Pentane: 0.179
Hexane+: 0.636
BTU: 1175.7
GPM: 18.5890
SPG: 0.6852