



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

Analysis No: CP140156  
Cust No: 18300-25515

30-039-07447

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 28-6 #55 CSG  
County/State: RIO ARRIBA  
Location:  
Field: AREA 24  
Formation:  
Cust. Stn. No.: 71518  
AM02346245NO  
API 3000907447

Source: CASING  
Pressure: 140 PSIG  
Sample Temp: DEG. F  
Well Flowing: N  
Date Sampled: 02/26/2014  
Sampled By: CHARLIE WELLS  
Foreman/Engr.:

OIL CONS. DIV DIST. 3  
MAY 14 2014

Remarks:

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.282   | 0.0310  | 0.00    | 0.0027       |
| CO2         | 0.376   | 0.0640  | 0.00    | 0.0057       |
| Methane     | 86.916  | 14.7770 | 877.85  | 0.4814       |
| Ethane      | 6.545   | 1.7550  | 115.83  | 0.0680       |
| Propane     | 3.165   | 0.8740  | 79.63   | 0.0482       |
| Iso-Butane  | 0.614   | 0.2010  | 19.97   | 0.0123       |
| N-Butane    | 0.816   | 0.2580  | 26.62   | 0.0164       |
| I-Pentane   | 0.328   | 0.1200  | 13.12   | 0.0082       |
| N-Pentane   | 0.236   | 0.0860  | 9.46    | 0.0059       |
| Hexane Plus | 0.722   | 0.3230  | 38.06   | 0.0239       |
| Total       | 100.000 | 18.4890 | 1180.54 | 0.6726       |

\* @ 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): 1187.0

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1166.3

REAL SPECIFIC GRAVITY: 0.6745

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

DRY BTU @ 14.650: 1180.6

DRY BTU @ 14.696: 1184.3

DRY BTU @ 14.730: 1187.0

DRY BTU @ 15.025: 1210.8

CYLINDER #: 6073

CYLINDER PRESSURE: 126 PSIG

DATE RUN: 3/14/14 1:08 PM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 #55 CSG  
Stn. No.: 71518  
Mtr. No.: AM02346245NO

CASING

03/20/2014  
18300-25515

---

Smpl Date: 02/26/2014  
Test Date: 03/14/2014  
Run No: CP140156  
Nitrogen: 0.282  
CO2: 0.376  
Methane: 86.916  
Ethane: 6.545  
Propane: 3.165  
I-Butane: 0.614  
N-Butane: 0.816  
I-Pentane: 0.328  
N-Pentane: 0.236  
Hexane+: 0.722  
BTU: 1187.0  
GPM: 18.4890  
SPG: 0.6745



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

Analysis No: CP140157  
Cust No: 18300-18640

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 28-6 #55 INT  
County/State: RIO ARRIBA NM  
Location:  
Field: AREA 24  
Formation: MV  
Cust. Stn. No.: 71518  
AM02346245NO  
API 3003907447

Source: INTERMEDIATE  
Pressure: 140 PSIG  
Sample Temp: DEG. F  
Well Flowing: N  
Date Sampled: 02/26/2014  
Sampled By: CHARLIE WELLS  
Foreman/Engr.:

**OIL CONS. DIV DIST. 3**

**MAY 14 2014**

Remarks:

### Analysis

| Component:  | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.285   | 0.0310  | 0.00    | 0.0028       |
| CO2         | 0.377   | 0.0650  | 0.00    | 0.0057       |
| Methane     | 87.315  | 14.8430 | 881.88  | 0.4836       |
| Ethane      | 6.571   | 1.7620  | 116.29  | 0.0682       |
| Propane     | 3.149   | 0.8700  | 79.23   | 0.0479       |
| Iso-Butane  | 0.592   | 0.1940  | 19.25   | 0.0119       |
| N-Butane    | 0.768   | 0.2430  | 25.05   | 0.0154       |
| I-Pentane   | 0.283   | 0.1040  | 11.32   | 0.0070       |
| N-Pentane   | 0.196   | 0.0710  | 7.86    | 0.0049       |
| Hexane Plus | 0.464   | 0.2070  | 24.46   | 0.0154       |
| Total       | 100.000 | 18.3900 | 1165.34 | 0.6629       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1171.6  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1151.2  
REAL SPECIFIC GRAVITY: 0.6646

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

DRY BTU @ 14.650: 1165.2  
DRY BTU @ 14.696: 1168.9  
DRY BTU @ 14.730: 1171.6  
DRY BTU @ 15.025: 1195.1

CYLINDER #: 6213  
CYLINDER PRESSURE: 128 PSIG  
DATE RUN: 3/10/14 1:10 PM  
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 #55 INT  
Stn. No.: 71518  
Mtr. No.: AM02346245NO

INTERMEDIATE  
MV

03/20/2014  
18300-18640

---

|            |            |            |
|------------|------------|------------|
| Smpl Date: | 02/26/2014 | 06/15/2010 |
| Test Date: | 03/10/2014 | 06/16/2010 |
| Run No:    | CP140157   | CP100347   |
| Nitrogen:  | 0.285      | 0.286      |
| CO2:       | 0.377      | 0.380      |
| Methane:   | 87.315     | 87.461     |
| Ethane:    | 6.571      | 6.551      |
| Propane:   | 3.149      | 3.131      |
| I-Butane:  | 0.592      | 0.587      |
| N-Butane:  | 0.768      | 0.738      |
| I-Pentane: | 0.283      | 0.271      |
| N-Pentane: | 0.196      | 0.184      |
| Hexane+:   | 0.464      | 0.411      |
| BTU:       | 1171.6     | 1167.2     |
| GPM:       | 18.3900    | 18.3630    |
| SPG:       | 0.6646     | 0.6620     |