



OIL CONS. DIV DIST. 3

JUN 17 2016

2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622Analysis No: CP160221  
Cust No: 18300-27640**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 28-5 #46 CSG  
County/State: RIO ARRIBA  
Location: G25-28N-05W  
Field:  
Formation: MV  
Cust. Stn. No.: API 300390734200S01

Source: CASING  
Pressure: 125 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 04/30/2016  
Sampled By: N/A  
Foreman/Engr.: MATTHEW MELTON

Remarks: W/O 9274023

**Analysis**

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.105   | 0.0120  | 0.00    | 0.0010       |
| CO2         | 1.148   | 0.1970  | 0.00    | 0.0174       |
| Methane     | 80.974  | 13.7730 | 817.84  | 0.4485       |
| Ethane      | 9.118   | 2.4470  | 161.36  | 0.0947       |
| Propane     | 5.033   | 1.3910  | 126.64  | 0.0766       |
| Iso-Butane  | 0.950   | 0.3120  | 30.89   | 0.0191       |
| N-Butane    | 1.192   | 0.3770  | 38.89   | 0.0239       |
| I-Pentane   | 0.426   | 0.1560  | 17.04   | 0.0106       |
| N-Pentane   | 0.332   | 0.1210  | 13.31   | 0.0083       |
| Hexane Plus | 0.722   | 0.3230  | 38.06   | 0.0239       |
| Total       | 100.000 | 19.1090 | 1244.02 | 0.7240       |

\* @ 14.730 PSIA DRY &amp; UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0036  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1251.4  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1229.6  
REAL SPECIFIC GRAVITY: 0.7264

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

DRY BTU @ 14.650: 1244.6  
DRY BTU @ 14.696: 1248.5  
DRY BTU @ 14.730: 1251.4  
DRY BTU @ 15.025: 1276.5

CYLINDER #: 7047  
CYLINDER PRESSURE: 111 PSIG  
DATE RUN: 5/3/16 8:28 AM  
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #46 CSG  
Stn. No.: API  
Mtr. No.:

CASING  
MV

05/10/2016  
18300-27640

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Smpl Date: 04/30/2016  
Test Date: 05/03/2016  
Run No: CP160221  
  
Nitrogen: 0.105  
CO2: 1.148  
Methane: 80.974  
Ethane: 9.118  
Propane: 5.033  
I-Butane: 0.950  
N-Butane: 1.192  
I-Pentane: 0.426  
N-Pentane: 0.332  
Hexane+: 0.722  
  
BTU: 1251.4  
GPM: 19.1090  
SPG: 0.7264



OIL CONS. DIV DIST. 3

JUN 17 2016

2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622Analysis No: CP160222  
Cust No: 18300-27645**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 28-5 #46 INT.  
County/State: RIO ARriba  
Location: G25-28N-05W  
Field:  
Formation: MV  
Cust. Str. No.: API 300390734200S01

Source: INTERMEDIATE  
Pressure: 125 PSIG  
Sample Temp: DEG. F  
Well Flowing:  
Date Sampled: 04/30/2016  
Sampled By: N/A  
Foreman/Engr.: MATTHEW MELTON

Remarks: W/O 9274023

**Analysis**

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.123   | 0.0140  | 0.00    | 0.0012       |
| CO2         | 1.137   | 0.1950  | 0.00    | 0.0173       |
| Methane     | 74.602  | 12.7010 | 753.48  | 0.4132       |
| Ethane      | 9.884   | 2.6550  | 174.92  | 0.1026       |
| Propane     | 7.584   | 2.0980  | 190.82  | 0.1155       |
| Iso-Butane  | 1.925   | 0.6330  | 62.60   | 0.0386       |
| N-Butane    | 2.587   | 0.8190  | 84.40   | 0.0519       |
| I-Pentane   | 0.931   | 0.3420  | 37.25   | 0.0232       |
| N-Pentane   | 0.670   | 0.2440  | 26.86   | 0.0167       |
| Hexane Plus | 0.557   | 0.2490  | 29.36   | 0.0184       |
| Total       | 100.000 | 19.9500 | 1359.68 | 0.7986       |

\* @ 14.730 PSIA DRY &amp; UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0045  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1368.9  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1345.1  
REAL SPECIFIC GRAVITY: 0.8018

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

DRY BTU @ 14.650: 1361.5  
DRY BTU @ 14.696: 1365.7  
DRY BTU @ 14.730: 1368.9  
DRY BTU @ 15.025: 1396.3

CYLINDER #: 4152  
CYLINDER PRESSURE: 125 PSIG  
DATE RUN: 5/3/16 12:00 AM  
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #46 INT.  
Stn. No.: API  
Mtr. No.:

INTERMEDIATE  
MV

05/10/2016  
18300-27645

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Smpl Date: 04/30/2016  
Test Date: 05/03/2016  
Run No: CP160222  
Nitrogen: 0.123  
CO2: 1.137  
Methane: 74.602  
Ethane: 9.884  
Propane: 7.584  
I-Butane: 1.925  
N-Butane: 2.587  
I-Pentane: 0.931  
N-Pentane: 0.670  
Hexane+: 0.557  
BTU: 1368.9  
GPM: 19.9500  
SPG: 0.8018