



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

Analysis No: CP140571  
Cust No: 18300-26200

30-039-18201

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 30-6 #41; BHD  
County/State:  
Location: M13-30N-06W  
Field:  
Formation:  
Cust. Stn. No.: AM02361589NO

Source: BRADENHEAD  
Pressure: 113 PSIG  
Sample Temp: DEG. F  
Well Flowing:  
Date Sampled: 06/23/2014  
Sampled By: JAKE STOCKTON  
Foreman/Engr.: DIANA GOU

RCVD AUG 26 '14  
OIL CONS. DIV.  
DIST. 3

Remarks:

### Analysis

| Component:  | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.078   | 0.0090  | 0.00    | 0.0008       |
| CO2         | 0.413   | 0.0710  | 0.00    | 0.0063       |
| Methane     | 95.754  | 16.2650 | 967.11  | 0.5304       |
| Ethane      | 2.987   | 0.8000  | 52.86   | 0.0310       |
| Propane     | 0.516   | 0.1420  | 12.98   | 0.0079       |
| Iso-Butane  | 0.093   | 0.0300  | 3.02    | 0.0019       |
| N-Butane    | 0.069   | 0.0220  | 2.25    | 0.0014       |
| I-Pentane   | 0.028   | 0.0100  | 1.12    | 0.0007       |
| N-Pentane   | 0.013   | 0.0050  | 0.52    | 0.0003       |
| Hexane Plus | 0.049   | 0.0220  | 2.58    | 0.0016       |
| Total       | 100.000 | 17.3760 | 1042.46 | 0.5822       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0022  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1047.2  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1029.0  
REAL SPECIFIC GRAVITY: 0.5832

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

DRY BTU @ 14.650: 1041.5  
DRY BTU @ 14.696: 1044.8  
DRY BTU @ 14.730: 1047.2  
DRY BTU @ 15.025: 1068.2

CYLINDER #: 4102  
CYLINDER PRESSURE: 113 PSIG  
DATE RUN: 6/25/14 8:47 AM  
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-6 #41; BHD  
Str. No.: AM02361589NO  
Mtr. No.:

BRADENHEAD

07/31/2014  
18300-26200

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Smpl Date: 06/23/2014  
Test Date: 06/25/2014  
Run No: CP140571

Nitrogen: 0.078  
CO2: 0.413  
Methane: 95.754  
Ethane: 2.987  
Propane: 0.516  
I-Butane: 0.093  
N-Butane: 0.069  
I-Pentane: 0.028  
N-Pentane: 0.013  
Hexane+: 0.049

BTU: 1047.2  
GPM: 17.3760  
SPG: 0.5832



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

Analysis No: CP140573  
Cust No: 18300-26210

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 30-6 #41; INT  
County/State:  
Location: M13-30N-06W  
Field:  
Formation:  
Cust. Stn. No.: AM02361589NO

Source: INTERMEDIATE  
Pressure: 146 PSIG  
Sample Temp: DEG. F  
Well Flowing:  
Date Sampled: 06/23/2014  
Sampled By: JAKE STOCKTON  
Foreman/Engr.: DIANA GOU

Remarks:

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.097   | 0.0110  | 0.00    | 0.0009       |
| CO2         | 1.712   | 0.2930  | 0.00    | 0.0260       |
| Methane     | 93.709  | 15.9190 | 946.46  | 0.5191       |
| Ethane      | 3.456   | 0.9260  | 61.16   | 0.0359       |
| Propane     | 0.678   | 0.1870  | 17.06   | 0.0103       |
| Iso-Butane  | 0.112   | 0.0370  | 3.64    | 0.0022       |
| N-Butane    | 0.105   | 0.0330  | 3.43    | 0.0021       |
| I-Pentane   | 0.043   | 0.0160  | 1.72    | 0.0011       |
| N-Pentane   | 0.021   | 0.0080  | 0.84    | 0.0005       |
| Hexane Plus | 0.067   | 0.0300  | 3.53    | 0.0022       |
| Total       | 100.000 | 17.4600 | 1037.84 | 0.6004       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0023  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1042.6  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1024.5  
REAL SPECIFIC GRAVITY: 0.6015

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

DRY BTU @ 14.650: 1036.9  
DRY BTU @ 14.696: 1040.2  
DRY BTU @ 14.730: 1042.6  
DRY BTU @ 15.025: 1063.5

CYLINDER #: 4205  
CYLINDER PRESSURE: 131 PSIG  
DATE RUN: 6/25/14 8:51 AM  
ANALYSIS RUN BY: AMANDA ARMENTA



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-6 #41; INT  
Stn. No.: AM02361589NO  
Mtr. No.:

INTERMEDIATE

07/31/2014  
18300-26210

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Smpl Date: 06/23/2014  
Test Date: 06/25/2014  
Run No: CP140573  
  
Nitrogen: 0.097  
CO2: 1.712  
Methane: 93.709  
Ethane: 3.456  
Propane: 0.678  
I-Butane: 0.112  
N-Butane: 0.105  
I-Pentane: 0.043  
N-Pentane: 0.021  
Hexane+: 0.067  
  
BTU: 1042.6  
GPM: 17.4600  
SPG: 0.6015



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

Analysis No: CP140572  
Cust No: 18300-26205

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 30-6 #41; CSG  
County/State:  
Location: M13-30N-06W  
Field:  
Formation:  
Cust. Strn. No.: AM02361589NO

Source: CASING  
Pressure: 153 PSIG  
Sample Temp: DEG. F  
Well Flowing:  
Date Sampled: 06/23/2014  
Sampled By: JAKE STOCKTON  
Foreman/Engr.: DIANA GOU

Remarks:

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.094   | 0.0100  | 0.00    | 0.0009       |
| CO2         | 1.708   | 0.2920  | 0.00    | 0.0260       |
| Methane     | 93.715  | 15.9200 | 946.52  | 0.5191       |
| Ethane      | 3.457   | 0.9260  | 61.18   | 0.0359       |
| Propane     | 0.679   | 0.1870  | 17.08   | 0.0103       |
| Iso-Butane  | 0.114   | 0.0370  | 3.71    | 0.0023       |
| N-Butane    | 0.106   | 0.0330  | 3.46    | 0.0021       |
| I-Pentane   | 0.039   | 0.0140  | 1.56    | 0.0010       |
| N-Pentane   | 0.021   | 0.0080  | 0.84    | 0.0005       |
| Hexane Plus | 0.067   | 0.0300  | 3.53    | 0.0022       |
| Total       | 100.000 | 17.4570 | 1037.88 | 0.6003       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0023  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1042.7  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1024.6  
REAL SPECIFIC GRAVITY: 0.6014

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

DRY BTU @ 14.650: 1037.0  
DRY BTU @ 14.696: 1040.3  
DRY BTU @ 14.730: 1042.7  
DRY BTU @ 15.025: 1063.6

CYLINDER #: 6095  
CYLINDER PRESSURE: 146 PSIG  
DATE RUN: 6/25/14 8:50 AM  
ANALYSIS RUN BY: AMANDA ARMENTA



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-6 #41; CSG  
Stn. No.: AM02361589NO  
Mtr. No.:

CASING

07/31/2014  
18300-26205

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Smpl Date: 06/23/2014  
Test Date: 06/25/2014  
Run No: CP140572  
Nitrogen: 0.094  
CO2: 1.708  
Methane: 93.715  
Ethane: 3.457  
Propane: 0.679  
I-Butane: 0.114  
N-Butane: 0.106  
I-Pentane: 0.039  
N-Pentane: 0.021  
Hexane+: 0.067  
BTU: 1042.7  
GPM: 17.4570  
SPG: 0.6014