



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

Analysis No: CP140185  
Cust No: 18300-25610

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 30-5 #72E  
County/State: RIO ARriba NM  
Location: O10-30N-05W  
Field:  
Formation: DK/MV  
Cust. Stn. No.: AM00023292NO

Source: BRADENHEAD  
Pressure: 61 PSIA  
Sample Temp: 67 DEG. F  
Well Flowing: Y  
Date Sampled: 02/19/2014  
Sampled By: RODNEY GREENE  
Foreman/Engr.: CHANDLER WITTLE

*OIL CONS. DIV DIST. 3*  
*MAY 14 2014*

Remarks: LEASE NO: NMSF-078997

### Analysis

| Component:  | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 1.161   | 0.1280  | 0.00    | 0.0112       |
| CO2         | 0.013   | 0.0020  | 0.00    | 0.0002       |
| Methane     | 93.735  | 15.9220 | 946.72  | 0.5192       |
| Ethane      | 4.563   | 1.2230  | 80.75   | 0.0474       |
| Propane     | 0.280   | 0.0770  | 7.05    | 0.0043       |
| Iso-Butane  | 0.103   | 0.0340  | 3.35    | 0.0021       |
| N-Butane    | 0.039   | 0.0120  | 1.27    | 0.0008       |
| I-Pentane   | 0.033   | 0.0120  | 1.32    | 0.0008       |
| N-Pentane   | 0.013   | 0.0050  | 0.52    | 0.0003       |
| Hexane Plus | 0.060   | 0.0270  | 3.16    | 0.0020       |
| Total       | 100.000 | 17.4420 | 1044.15 | 0.5882       |

\* @ 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): 1048.9  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1030.6  
REAL SPECIFIC GRAVITY: 0.5893

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

DRY BTU @ 14.650: 1043.2  
DRY BTU @ 14.696: 1046.5  
DRY BTU @ 14.730: 1048.9  
DRY BTU @ 15.025: 1069.9

CYLINDER #: 112  
CYLINDER PRESSURE: 56 PSIG  
DATE RUN: 3/20/14 10:15 AM  
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #72E  
Str. No.: AM00023292NO  
Mtr. No.:

BRADENHEAD  
DK/MV

03/26/2014  
18300-25610

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Smpl Date: 02/19/2014  
Test Date: 03/20/2014  
Run No: CP140185  
Nitrogen: 1.161  
CO2: 0.013  
Methane: 93.735  
Ethane: 4.563  
Propane: 0.280  
I-Butane: 0.103  
N-Butane: 0.039  
I-Pentane: 0.033  
N-Pentane: 0.013  
Hexane+: 0.060  
BTU: 1048.9  
GPM: 17.4420  
SPG: 0.5893



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

Analysis No: CP140187  
Cust No: 18300-25620

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 30-5 #72E  
County/State: RIO ARRIBA NM  
Location: O10-30N-05W  
Field:  
Formation: MV/DK  
Cust. Stn. No.: AM00023292NO

*OIL CONS. DIV DIST. 3*  
*MAY 14 2014*

Source: INTERMEDIATE  
Pressure: 55 PSIA  
Sample Temp: 69 DEG. F  
Well Flowing: Y  
Date Sampled: 02/19/2014  
Sampled By: RODNEY GREENE  
Foreman/Engr.: CHANDLER WITTLE

Remarks: LEASE NO: NMSF-078997

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 1.322   | 0.1460  | 0.00    | 0.0128       |
| CO2         | 0.003   | 0.0010  | 0.00    | 0.0000       |
| Methane     | 93.595  | 15.8980 | 945.31  | 0.5184       |
| Ethane      | 4.536   | 1.2150  | 80.27   | 0.0471       |
| Propane     | 0.293   | 0.0810  | 7.37    | 0.0045       |
| Iso-Butane  | 0.103   | 0.0340  | 3.35    | 0.0021       |
| N-Butane    | 0.046   | 0.0150  | 1.50    | 0.0009       |
| I-Pentane   | 0.035   | 0.0130  | 1.40    | 0.0009       |
| N-Pentane   | 0.013   | 0.0050  | 0.52    | 0.0003       |
| Hexane Plus | 0.054   | 0.0240  | 2.85    | 0.0018       |
| Total       | 100.000 | 17.4320 | 1042.57 | 0.5888       |

\* @ 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): 1047.3  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1029.1  
REAL SPECIFIC GRAVITY: 0.5898

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

DRY BTU @ 14.650: 1041.6  
DRY BTU @ 14.696: 1044.9  
DRY BTU @ 14.730: 1047.3  
DRY BTU @ 15.025: 1068.3

CYLINDER #: 69  
CYLINDER PRESSURE: 55 PSIG  
DATE RUN: 3/20/14 10:17 AM  
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #72E  
Strn. No.: AM00023292NO  
Mtr. No.:

INTERMEDIATE  
MV/DK

03/26/2014  
18300-25620

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Smpl Date: 02/19/2014  
Test Date: 03/20/2014  
Run No: CP140187

Nitrogen: 1.322  
CO2: 0.003  
Methane: 93.595  
Ethane: 4.536  
Propane: 0.293  
I-Butane: 0.103  
N-Butane: 0.046  
I-Pentane: 0.035  
N-Pentane: 0.013  
Hexane+: 0.054

BTU: 1047.3  
GPM: 17.4320  
SPG: 0.5898



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

Analysis No: CP140186  
Cust No: 18300-25615

30-039-25676

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: SAN JUAN 30-5 #72E  
County/State: RIO ARRIBA NM  
Location: O10-30N-05W  
Field:  
Formation: MV/DK  
Cust. Stn. No.: AM00023292NO

Source: CASING  
Pressure: 192 PSIA  
Sample Temp: 66 DEG. F  
Well Flowing: Y  
Date Sampled: 02/19/2014  
Sampled By: RODNEY GREENE  
Foreman/Engr.: CHANDLER WITTLE

OIL CONS. DIV DIST. 3  
MAY 14 2014

Remarks: LEASE NO: NMSF-078997

### Analysis

| Component:  | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.483   | 0.0530  | 0.00    | 0.0047       |
| CO2         | 1.350   | 0.2310  | 0.00    | 0.0205       |
| Methane     | 95.992  | 16.3050 | 969.52  | 0.5317       |
| Ethane      | 1.601   | 0.4290  | 28.33   | 0.0166       |
| Propane     | 0.342   | 0.0940  | 8.61    | 0.0052       |
| Iso-Butane  | 0.055   | 0.0180  | 1.79    | 0.0011       |
| N-Butane    | 0.046   | 0.0150  | 1.50    | 0.0009       |
| I-Pentane   | 0.012   | 0.0040  | 0.48    | 0.0003       |
| N-Pentane   | 0.004   | 0.0010  | 0.16    | 0.0001       |
| Hexane Plus | 0.115   | 0.0510  | 6.06    | 0.0038       |
| Total       | 100.000 | 17.2010 | 1016.45 | 0.5849       |

\* @ 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): 1020.9  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1003.1  
REAL SPECIFIC GRAVITY: 0.5859

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

DRY BTU @ 14.650: 1015.4  
DRY BTU @ 14.696: 1018.5  
DRY BTU @ 14.730: 1020.9  
DRY BTU @ 15.025: 1041.3

CYLINDER #: 108  
CYLINDER PRESSURE: 188 PSIG  
DATE RUN: 3/20/14 12:00 AM  
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #72E  
Str. No.: AM00023292NO  
Mtr. No.:

CASING  
MV/DK

03/26/2014  
18300-25615

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Smpl Date: 02/19/2014  
Test Date: 03/20/2014  
Run No: CP140186  
Nitrogen: 0.483  
CO2: 1.350  
Methane: 95.992  
Ethane: 1.601  
Propane: 0.342  
I-Butane: 0.055  
N-Butane: 0.046  
I-Pentane: 0.012  
N-Pentane: 0.004  
Hexane+: 0.115  
BTU: 1020.9  
GPM: 17.2010  
SPG: 0.5859