



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

Analysis No: PP140534  
Cust No: 62000-14090

### Well/Lease Information

|                 |                                     |                |            |
|-----------------|-------------------------------------|----------------|------------|
| Customer Name:  | CONOCO PHILLIPS COMPANY             | Source:        | BRADEHEAD  |
| Well Name:      | SAN JUAN 30-5 #95; BHD 30-039-23/28 | Pressure:      | 52 PSIG    |
| County/State:   | RIO ARRIBA NM                       | Sample Temp:   | DEG. F     |
| Location:       | H28-30N-05W                         | Well Flowing:  |            |
| Field:          |                                     | Date Sampled:  | 07/30/2014 |
| Formation:      | DAKOTA                              | Sampled By:    | BRIAN CAIN |
| Cust. Stn. No.: | 8580501                             | Foreman/Engr.: | DIANA GUO  |
|                 | AM00013419NO                        |                |            |

Remarks:

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 1.004   | 0.1110  | 0.00    | 0.0097       |
| CO2         | 0.004   | 0.0010  | 0.00    | 0.0001       |
| Methane     | 92.992  | 15.7970 | 939.22  | 0.5151       |
| Ethane      | 5.550   | 1.4870  | 98.22   | 0.0576       |
| Propane     | 0.219   | 0.0600  | 5.51    | 0.0033       |
| Iso-Butane  | 0.099   | 0.0320  | 3.22    | 0.0020       |
| N-Butane    | 0.031   | 0.0100  | 1.01    | 0.0006       |
| I-Pentane   | 0.037   | 0.0140  | 1.48    | 0.0009       |
| N-Pentane   | 0.003   | 0.0010  | 0.12    | 0.0001       |
| Hexane Plus | 0.061   | 0.0270  | 3.22    | 0.0020       |
| Total       | 100.000 | 17.5400 | 1051.99 | 0.5914       |

\* @ 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): 1056.9

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1038.5

REAL SPECIFIC GRAVITY: 0.5926

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

DRY BTU @ 14.650: 1051.2

DRY BTU @ 14.696: 1054.5

DRY BTU @ 14.730: 1056.9

DRY BTU @ 15.025: 1078.1

OIL CONS. DIV DIST. 3  
AUG 11 2014

CYLINDER #: 7018

CYLINDER PRESSURE: 51 PSIG

DATE RUN: 8/1/14 12:55 PM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #95; BHD  
Stn. No.: 8580501  
Mtr. No.: AM00013419NO

BRADHEAD  
DAKOTA

08/05/2014  
62000-14090

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|            |            |            |
|------------|------------|------------|
| Smpl Date: | 07/30/2014 | 11/22/2004 |
| Test Date: | 08/01/2014 | 12/02/2004 |
| Run No:    | PP140534   | PP241206   |
| Nitrogen:  | 1.004      | 0.129      |
| CO2:       | 0.004      | 0.002      |
| Methane:   | 92.992     | 91.919     |
| Ethane:    | 5.550      | 4.196      |
| Propane:   | 0.219      | 2.177      |
| I-Butane:  | 0.099      | 0.362      |
| N-Butane:  | 0.031      | 0.523      |
| I-Pentane: | 0.037      | 0.164      |
| N-Pentane: | 0.003      | 0.129      |
| Hexane+:   | 0.061      | 0.399      |
| BTU:       | 1056.9     | 1124.2     |
| GPM:       | 17.5400    | 17.9290    |
| SPG:       | 0.5926     | 0.6268     |



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

Analysis No: PP140535  
Cust No: 62000-15115

### Well/Lease Information

|                 |                                     |                |            |
|-----------------|-------------------------------------|----------------|------------|
| Customer Name:  | CONOCO PHILLIPS COMPANY             | Source:        | CASING     |
| Well Name:      | SAN JUAN 30-5 #95; CSG 30-039-23128 | Pressure:      | 184 PSIG   |
| County/State:   | RIO ARRIBA NM                       | Sample Temp:   | DEG. F     |
| Location:       | H28-30N-05W                         | Well Flowing:  | Y          |
| Field:          |                                     | Date Sampled:  | 07/30/2014 |
| Formation:      | DAKOTA                              | Sampled By:    | BRIAN CAIN |
| Cust. Stn. No.: | 8580501                             | Foreman/Engr.: | DIANA GUO  |
|                 | AM00013419NO                        |                |            |

Remarks:

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|---------|---------|--------|--------------|
| Nitrogen    | 0.089   | 0.0100  | 0.00   | 0.0009       |
| CO2         | 2.490   | 0.4260  | 0.00   | 0.0378       |
| Methane     | 96.908  | 16.4590 | 978.77 | 0.5368       |
| Ethane      | 0.397   | 0.1060  | 7.03   | 0.0041       |
| Propane     | 0.040   | 0.0110  | 1.01   | 0.0006       |
| Iso-Butane  | 0.029   | 0.0100  | 0.94   | 0.0006       |
| N-Butane    | 0.012   | 0.0040  | 0.39   | 0.0002       |
| I-Pentane   | 0.013   | 0.0050  | 0.52   | 0.0003       |
| N-Pentane   | 0.004   | 0.0010  | 0.16   | 0.0001       |
| Hexane Plus | 0.018   | 0.0080  | 0.95   | 0.0006       |
| Total       | 100.000 | 17.0400 | 989.77 | 0.5820       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

|                                      |        |
|--------------------------------------|--------|
| COMPRESSIBILITY FACTOR (1/Z):        | 1.0021 |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z): | 994.1  |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z): | 976.8  |
| REAL SPECIFIC GRAVITY:               | 0.583  |

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

|                   |        |
|-------------------|--------|
| DRY BTU @ 14.650: | 988.7  |
| DRY BTU @ 14.696: | 991.8  |
| DRY BTU @ 14.730: | 994.1  |
| DRY BTU @ 15.025: | 1014.0 |

OIL CONS. DIV DIST. 3  
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|                    |                 |
|--------------------|-----------------|
| CYLINDER #:        | 6227            |
| CYLINDER PRESSURE: | 184 PSIG        |
| DATE RUN:          | 8/1/14 12:58 PM |
| ANALYSIS RUN BY:   | LOGAN CHENEY    |



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #95; CSG  
Stn. No.: 8580501  
Mtr. No.: AM00013419NO

CASING  
DAKOTA

08/05/2014  
62000-15115

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Smpl Date: 07/30/2014  
Test Date: 08/01/2014  
Run No: PP140535

Nitrogen: 0.089  
CO2: 2.490  
Methane: 96.908  
Ethane: 0.397  
Propane: 0.040  
I-Butane: 0.029  
N-Butane: 0.012  
I-Pentane: 0.013  
N-Pentane: 0.004  
Hexane+: 0.018

BTU: 994.1  
GPM: 17.0400  
SPG: 0.5830



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

Analysis No: PP140536  
Cust No: 62000-15120

### Well/Lease Information

|                  |                                     |                |              |
|------------------|-------------------------------------|----------------|--------------|
| Customer Name:   | CONOCO PHILLIPS COMPANY             | Source:        | INTERMEDIATE |
| Well Name:       | SAN JUAN 30-5 #95; INT 30-039-23128 | Pressure:      | 6 PSIG       |
| County/State:    | RIO ARRIBA NM                       | Sample Temp:   | DEG. F       |
| Location:        | H28-30N-05W                         | Well Flowing:  | N            |
| Field:           |                                     | Date Sampled:  | 07/30/2014   |
| Formation:       | DAKOTA                              | Sampled By:    | BRIAN CAIN   |
| Cust. Strn. No.: | 8580501                             | Foreman/Engr.: | DIANA GUO    |
|                  | AM00013419NO                        |                |              |

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.169   | 0.0190  | 0.00    | 0.0016       |
| CO2         | 0.025   | 0.0040  | 0.00    | 0.0004       |
| Methane     | 92.217  | 15.6700 | 931.39  | 0.5108       |
| Ethane      | 4.024   | 1.0790  | 71.21   | 0.0418       |
| Propane     | 2.005   | 0.5540  | 50.45   | 0.0305       |
| Iso-Butane  | 0.346   | 0.1130  | 11.25   | 0.0069       |
| N-Butane    | 0.497   | 0.1570  | 16.21   | 0.0100       |
| I-Pentane   | 0.148   | 0.0540  | 5.92    | 0.0037       |
| N-Pentane   | 0.123   | 0.0450  | 4.93    | 0.0031       |
| Hexane Plus | 0.446   | 0.1990  | 23.51   | 0.0148       |
| Total       | 100.000 | 17.8940 | 1114.88 | 0.6235       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

|                                      |        |
|--------------------------------------|--------|
| COMPRESSIBILITY FACTOR (1/Z):        | 1.0026 |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z): | 1120.4 |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z): | 1100.9 |
| REAL SPECIFIC GRAVITY:               | 0.6249 |

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

|                   |        |
|-------------------|--------|
| DRY BTU @ 14.650: | 1114.3 |
| DRY BTU @ 14.696: | 1117.8 |
| DRY BTU @ 14.730: | 1120.4 |
| DRY BTU @ 15.025: | 1142.8 |

OIL CONS. DIV. DIST. 3  
AUG 11 2014

|                    |                  |
|--------------------|------------------|
| CYLINDER #:        | 4245             |
| CYLINDER PRESSURE: | PSIG             |
| DATE RUN:          | 8/1/14 12:59 PM  |
| ANALYSIS RUN BY:   | DAWN BLASSINGAME |



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #95; INT  
Stn. No.: 8580501  
Mtr. No.: AM00013419NO

INTERMEDIATE  
DAKOTA

08/05/2014  
62000-15120

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Smpl Date: 07/30/2014  
Test Date: 08/01/2014  
Run No: PP140536  
Nitrogen: 0.169  
CO2: 0.025  
Methane: 92.217  
Ethane: 4.024  
Propane: 2.005  
I-Butane: 0.346  
N-Butane: 0.497  
I-Pentane: 0.148  
N-Pentane: 0.123  
Hexane+: 0.446  
BTU: 1120.4  
GPM: 17.8940  
SPG: 0.6249