



API # 30-045-34827

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

OIL CONS. DIV DIST. 3

OCT 03 2017

Analysis No: CP170399  
Cust No: 18300-32555

## Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: STANOLIND GAS COM 1M CSG  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:Source: CASING  
Pressure: 100 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 07/18/2017  
Sampled By:  
Foreman/Engr.: JOE COLLEY

300453482700C01/C02

Remarks: W/O# 9239183

## Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.260   | 0.0290  | 0.00    | 0.0025       |
| CO2         | 1.047   | 0.1790  | 0.00    | 0.0159       |
| Methane     | 88.373  | 15.0200 | 892.57  | 0.4895       |
| Ethane      | 6.573   | 1.7620  | 116.31  | 0.0682       |
| Propane     | 2.342   | 0.6470  | 58.93   | 0.0357       |
| Iso-Butane  | 0.345   | 0.1130  | 11.23   | 0.0069       |
| N-Butane    | 0.511   | 0.1620  | 16.67   | 0.0103       |
| I-Pentane   | 0.143   | 0.0530  | 5.73    | 0.0036       |
| N-Pentane   | 0.096   | 0.0350  | 3.84    | 0.0024       |
| Hexane Plus | 0.310   | 0.1390  | 16.36   | 0.0103       |
| Total       | 100.000 | 18.1390 | 1121.64 | 0.6452       |

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

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

COMPRESSIBILITY FACTOR (1/Z): 1.0028  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1127.3  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1107.7  
REAL SPECIFIC GRAVITY: 0.6467GPM, BTU, and SPG calculations as shown  
above are based on current GPA factors.DRY BTU @ 14.650: 1121.2  
DRY BTU @ 14.696: 1124.7  
DRY BTU @ 14.730: 1127.3  
DRY BTU @ 15.025: 1149.9CYLINDER #: 3351  
CYLINDER PRESSURE: 72 PSIG  
DATE RUN: 7/20/17 3:15 PM  
ANALYSIS RUN BY: CAMERON MANGAN

u



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: STANOLIND GAS COM 1M CSG  
Stn. No.:  
Mtr. No.: 300453482700C01

CASING

07/21/2017  
18300-32555

Smpl Date: 07/18/2017  
Test Date: 07/20/2017  
Run No: CP170399

Nitrogen: 0.260  
CO2: 1.047  
Methane: 88.373  
Ethane: 6.573  
Propane: 2.342  
I-Butane: 0.345  
N-Butane: 0.511  
I-Pentane: 0.143  
N-Pentane: 0.096  
Hexane+: 0.310

BTU: 1127.3  
GPM: 18.1390  
SPG: 0.6467



API # 30-045-34827

2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622Analysis No: CP170398  
Cust No: 18300-32550**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY

Well Name: STANOLIND GAS COM 1M BHD

County/State: SAN JUAN NM

Location:

Field:

Formation:

Cust. Stn. No.:

300453482700C01/C02

Source: BRADENHEAD

Pressure: 110 PSIG

Sample Temp: DEG. F

Well Flowing: Y

Date Sampled: 07/18/2017

Sampled By:

Foreman/Engr.: JOE COLLEY

OIL CONS. DIV DIST. 3

OCT 03 2017

Remarks: W/O# 9239183

**Analysis**

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.244   | 0.0270  | 0.00    | 0.0024       |
| CO2         | 0.004   | 0.0010  | 0.00    | 0.0001       |
| Methane     | 92.155  | 15.6600 | 930.77  | 0.5104       |
| Ethane      | 4.622   | 1.2390  | 81.79   | 0.0480       |
| Propane     | 1.655   | 0.4570  | 41.64   | 0.0252       |
| Iso-Butane  | 0.300   | 0.0990  | 9.77    | 0.0060       |
| N-Butane    | 0.414   | 0.1310  | 13.50   | 0.0083       |
| I-Pentane   | 0.167   | 0.0610  | 6.69    | 0.0042       |
| N-Pentane   | 0.112   | 0.0410  | 4.47    | 0.0028       |
| Hexane Plus | 0.328   | 0.1460  | 17.27   | 0.0108       |
| Total       | 100.000 | 17.8620 | 1105.89 | 0.6182       |

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

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

COMPRESSIBILITY FACTOR (1/Z): 1.0026

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1111.3

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1092.0

REAL SPECIFIC GRAVITY: 0.6195

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

DRY BTU @ 14.650: 1105.3

DRY BTU @ 14.696: 1108.7

DRY BTU @ 14.730: 1111.3

DRY BTU @ 15.025: 1133.6

CYLINDER #: 82

CYLINDER PRESSURE: 100 PSIG

DATE RUN: 7/20/17 12:00 AM

ANALYSIS RUN BY: CAMERON MANGAN



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: STANOLIND GAS COM 1M BHD  
Stn. No.:  
Mtr. No.: 300453482700C01

BRADENHEAD

07/21/2017  
18300-32550

---

Smpl Date: 07/18/2017  
Test Date: 07/20/2017  
Run No: CP170398

Nitrogen: 0.244  
CO2: 0.004  
Methane: 92.155  
Ethane: 4.622  
Propane: 1.655  
I-Butane: 0.300  
N-Butane: 0.414  
I-Pentane: 0.167  
N-Pentane: 0.112  
Hexane+: 0.328

BTU: 1111.3  
GPM: 17.8620  
SPG: 0.6195



API # 30-045-34827

2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622Analysis No: CP170400  
Cust No: 18300-32560**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: STANOLIND GAS COM 1M TBG  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:Source: TUBING  
Pressure: 75 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 07/18/2017  
Sampled By:  
Foreman/Engr.: JOE COLLEY

300453482700C01/C02

OIL CONS. DIV DIST. 3

OCT 03 2017

Remarks: W/O# 9239183

**Analysis**

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.171   | 0.0190  | 0.00    | 0.0017       |
| CO2         | 1.657   | 0.2840  | 0.00    | 0.0252       |
| Methane     | 86.120  | 14.6430 | 869.81  | 0.4770       |
| Ethane      | 6.402   | 1.7170  | 113.30  | 0.0665       |
| Propane     | 2.559   | 0.7070  | 64.38   | 0.0390       |
| Iso-Butane  | 0.503   | 0.1650  | 16.36   | 0.0101       |
| N-Butane    | 0.704   | 0.2230  | 22.96   | 0.0141       |
| I-Pentane   | 0.296   | 0.1080  | 11.83   | 0.0074       |
| N-Pentane   | 0.213   | 0.0780  | 8.55    | 0.0053       |
| Hexane Plus | 1.375   | 0.6150  | 72.50   | 0.0455       |
| Total       | 100.000 | 18.5590 | 1179.68 | 0.6917       |

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

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

COMPRESSIBILITY FACTOR (1/Z): 1.0032  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1186.2  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1165.6  
REAL SPECIFIC GRAVITY: 0.6936GPM, BTU, and SPG calculations as shown  
above are based on current GPA factors.DRY BTU @ 14.650: 1179.8  
DRY BTU @ 14.696: 1183.5  
DRY BTU @ 14.730: 1186.2  
DRY BTU @ 15.025: 1210.0CYLINDER #: 33  
CYLINDER PRESSURE: 76 PSIG  
DATE RUN: 7/20/17 3:16 PM  
ANALYSIS RUN BY: CAMERON MANGAN



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: STANOLIND GAS COM 1M TBG  
Str. No.:  
Mtr. No.: 300453482700C01

TUBING

07/21/2017  
18300-32560

Smpl Date: 07/18/2017  
Test Date: 07/20/2017  
Run No: CP170400

Nitrogen: 0.171  
CO2: 1.657  
Methane: 86.120  
Ethane: 6.402  
Propane: 2.559  
I-Butane: 0.503  
N-Butane: 0.704  
I-Pentane: 0.296  
N-Pentane: 0.213  
Hexane+: 1.375

BTU: 1186.2  
GPM: 18.5590  
SPG: 0.6936