



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

Analysis No: CP160443  
Cust No: 18300-27950

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: CANYON LARGO #20; BHD  
County/State: RIO ARRIBA NM  
Location: P12-24N-06W  
Field:  
Formation: PICTURED CLIFFS  
Cust. Str. No.: API 300390555400S01

Source: BRADENHEAD  
Pressure: 133 PSIG  
Sample Temp: 110 DEG. F  
Well Flowing: Y  
Date Sampled: 07/14/2016  
Sampled By: JACKSON HULL  
Foreman/Engr.: N. BLOOMFIELD

OIL CONS. DIV DIST. 3

SEP 20 2016

Remarks: W/O #9250627

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.949   | 0.1050  | 0.00    | 0.0092       |
| CO2         | 0.038   | 0.0070  | 0.00    | 0.0006       |
| Methane     | 84.759  | 14.4100 | 856.06  | 0.4695       |
| Ethane      | 7.300   | 1.9580  | 129.19  | 0.0758       |
| Propane     | 4.066   | 1.1230  | 102.31  | 0.0619       |
| Iso-Butane  | 0.936   | 0.3070  | 30.44   | 0.0188       |
| N-Butane    | 0.974   | 0.3080  | 31.78   | 0.0195       |
| I-Pentane   | 0.369   | 0.1350  | 14.76   | 0.0092       |
| N-Pentane   | 0.220   | 0.0800  | 8.82    | 0.0055       |
| Hexane Plus | 0.389   | 0.1740  | 20.50   | 0.0129       |
| Total       | 100.000 | 18.6070 | 1193.86 | 0.6828       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0031  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1200.3  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1179.4  
REAL SPECIFIC GRAVITY: 0.6847

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

DRY BTU @ 14.650: 1193.8  
DRY BTU @ 14.696: 1197.5  
DRY BTU @ 14.730: 1200.3  
DRY BTU @ 15.025: 1224.3

CYLINDER #: 6210  
CYLINDER PRESSURE: 25 PSIG  
DATE RUN: 7/15/16 12:00 AM  
ANALYSIS RUN BY: PATRICIA KING

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CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: CANYON LARGO #20; BHD  
Strn. No.: API  
Mtr. No.:

BRADENHEAD  
PICTURED CLIFFS

07/18/2016  
18300-27950

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Smpl Date: 07/14/2016  
Test Date: 07/15/2016  
Run No: CP160443  
Nitrogen: 0.949  
CO2: 0.038  
Methane: 84.759  
Ethane: 7.300  
Propane: 4.066  
I-Butane: 0.936  
N-Butane: 0.974  
I-Pentane: 0.369  
N-Pentane: 0.220  
Hexane+: 0.389  
BTU: 1200.3  
GPM: 18.6070  
SPG: 0.6847



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

Analysis No: CP160444  
Cust No: 18300-27955

### Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY  
Well Name: CANYON LARGO #20; CSG  
County/State: RIO ARRIVA NM  
Location: P12-24N-06W  
Field:  
Formation: PICTURED CLIFFS  
Cust. Str. No.: API 300390555400S01

Source: CASING  
Pressure: 133 PSIG  
Sample Temp: 110 DEG. F  
Well Flowing: Y  
Date Sampled: 07/14/2016  
Sampled By: JACKSON HULL  
Foreman/Engr.: N. BLOOMFIELD

OIL CONS. DIV DIST. 3

SEP 20 2016

Remarks: W/O #9250627

### Analysis

| Component:  | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.973   | 0.1070  | 0.00    | 0.0094       |
| CO2         | 0.054   | 0.0090  | 0.00    | 0.0008       |
| Methane     | 84.554  | 14.3770 | 854.00  | 0.4683       |
| Ethane      | 7.385   | 1.9810  | 130.69  | 0.0767       |
| Propane     | 4.106   | 1.1350  | 103.31  | 0.0625       |
| Iso-Butane  | 0.946   | 0.3100  | 30.76   | 0.0190       |
| N-Butane    | 0.976   | 0.3090  | 31.84   | 0.0196       |
| I-Pentane   | 0.368   | 0.1350  | 14.72   | 0.0092       |
| N-Pentane   | 0.219   | 0.0800  | 8.78    | 0.0055       |
| Hexane Plus | 0.419   | 0.1870  | 22.09   | 0.0139       |
| Total       | 100.000 | 18.6300 | 1196.19 | 0.6848       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0032  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1202.8  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1181.9  
REAL SPECIFIC GRAVITY: 0.6867

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

DRY BTU @ 14.650: 1196.3  
DRY BTU @ 14.696: 1200.0  
DRY BTU @ 14.730: 1202.8  
DRY BTU @ 15.025: 1226.9

CYLINDER #: 4035  
CYLINDER PRESSURE: 12 PSIG  
DATE RUN: 7/15/16 12:00 AM  
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

Lease: CANYON LARGO #20; CSG  
Stn. No.: API  
Mtr. No.:

CASING  
PICTURED CLIFFS

07/18/2016  
18300-27955

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Smpl Date: 07/14/2016  
Test Date: 07/15/2016  
Run No: CP160444  
Nitrogen: 0.973  
CO2: 0.054  
Methane: 84.554  
Ethane: 7.385  
Propane: 4.106  
I-Butane: 0.946  
N-Butane: 0.976  
I-Pentane: 0.368  
N-Pentane: 0.219  
Hexane+: 0.419  
BTU: 1202.8  
GPM: 18.6300  
SPG: 0.6867