



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

Analysis No: CP140131
Cust No: 18300-25415

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-4 #38 CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003920115

Source: CASING
Pressure: 179 PSIG
Sample Temp: 54 DEG. F
Well Flowing:
Date Sampled: 02/27/2014
Sampled By: LYNN HOPPE
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.188	0.0210	0.00	0.0018
CO2	0.971	0.1660	0.00	0.0148
Methane	85.463	14.5280	863.18	0.4734
Ethane	8.784	2.3560	155.45	0.0912
Propane	2.558	0.7070	64.36	0.0389
Iso-Butane	0.565	0.1850	18.37	0.0113
N-Butane	0.539	0.1700	17.58	0.0108
I-Pentane	0.284	0.1040	11.36	0.0071
N-Pentane	0.146	0.0530	5.85	0.0036
Hexane Plus	0.502	0.2240	26.46	0.0166
Total	100.000	18.5140	1162.62	0.6696

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1168.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1148.5
REAL SPECIFIC GRAVITY: 0.6713

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

DRY BTU @ 14.650: 1162.5
DRY BTU @ 14.696: 1166.1
DRY BTU @ 14.730: 1168.8
DRY BTU @ 15.025: 1192.2

CYLINDER #: Y78
CYLINDER PRESSURE: 176 PSIG
DATE RUN: 3/10/14 12:20 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-4 #38 CSG
Stn. No.: 9952572
Mtr. No.: API 3003920115

CASING

03/20/2014
18300-25415

Smpl Date: 02/27/2014
Test Date: 03/10/2014
Run No: CP140131
Nitrogen: 0.188
CO2: 0.971
Methane: 85.463
Ethane: 8.784
Propane: 2.558
I-Butane: 0.565
N-Butane: 0.539
I-Pentane: 0.284
N-Pentane: 0.146
Hexane+: 0.502
BTU: 1168.8
GPM: 18.5140
SPG: 0.6713



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

Analysis No: CP140132
Cust No: 18300-25420

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-4 #38 INT
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003920115

Source: INTERMEDIATE
Pressure: 171 PSIG
Sample Temp: 54 DEG. F
Well Flowing:
Date Sampled: 02/27/2014
Sampled By: LYNN HOPPE
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.159	0.0180	0.00	0.0015
CO2	0.992	0.1700	0.00	0.0151
Methane	85.166	14.4780	860.18	0.4717
Ethane	8.995	2.4120	159.18	0.0934
Propane	2.643	0.7300	66.50	0.0402
Iso-Butane	0.583	0.1910	18.96	0.0117
N-Butane	0.556	0.1760	18.14	0.0112
I-Pentane	0.289	0.1060	11.56	0.0072
N-Pentane	0.147	0.0530	5.89	0.0037
Hexane Plus	0.470	0.2100	24.77	0.0156
Total	100.000	18.5440	1165.19	0.6712

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1171.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1151.0
REAL SPECIFIC GRAVITY: 0.673

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

DRY BTU @ 14.650: 1165.0
DRY BTU @ 14.696: 1168.7
DRY BTU @ 14.730: 1171.4
DRY BTU @ 15.025: 1194.9

CYLINDER #: V12
CYLINDER PRESSURE: 164 PSIG
DATE RUN: 3/10/14 12:23 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-4 #38 INT
Stn. No.: 9952572
Mtr. No.: API 3003920115

INTERMEDIATE

03/20/2014
18300-25420

Smpl Date: 02/27/2014
Test Date: 03/10/2014
Run No: CP140132

Nitrogen: 0.159
CO2: 0.992
Methane: 85.166
Ethane: 8.995
Propane: 2.643
I-Butane: 0.583
N-Butane: 0.556
I-Pentane: 0.289
N-Pentane: 0.147
Hexane+: 0.470

BTU: 1171.4
GPM: 18.5440
SPG: 0.6730