



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

Analysis No: CP140178
Cust No: 18300-25575

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #221F
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 88309
API 3003930146
CHARGE AM02345922

Source: CASING
Pressure: 98 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 03/04/2014
Sampled By: C. A. WELLS
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks: AREA 24

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.647	0.0710	0.00	0.0063
CO2	0.966	0.1650	0.00	0.0147
Methane	86.919	14.7740	877.88	0.4814
Ethane	6.746	1.8090	119.38	0.0700
Propane	2.777	0.7670	69.87	0.0423
Iso-Butane	0.492	0.1610	16.00	0.0099
N-Butane	0.688	0.2170	22.44	0.0138
I-Pentane	0.231	0.0850	9.24	0.0058
N-Pentane	0.164	0.0600	6.57	0.0041
Hexane Plus	0.370	0.1650	19.50	0.0122
Total	100.000	18.2740	1140.90	0.6605

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1146.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1126.9
REAL SPECIFIC GRAVITY: 0.6621

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

DRY BTU @ 14.650: 1140.7
DRY BTU @ 14.696: 1144.3
DRY BTU @ 14.730: 1146.9
DRY BTU @ 15.025: 1169.9

CYLINDER #: 6153
CYLINDER PRESSURE: 103 PSIG
DATE RUN: 3/18/14 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #221F
Stn. No.: 88309
Mtr. No.: API 3003930146

CASING

03/25/2014
18300-25575

Smpl Date: 03/04/2014
Test Date: 03/18/2014
Run No: CP140178

Nitrogen: 0.647
CO2: 0.966
Methane: 86.919
Ethane: 6.746
Propane: 2.777
I-Butane: 0.492
N-Butane: 0.688
I-Pentane: 0.231
N-Pentane: 0.164
Hexane+: 0.370

BTU: 1146.9
GPM: 18.2740
SPG: 0.6621



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

Analysis No: CP140177
Cust No: 18300-25570

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #221F
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 883901
API 3003930146
CHARGE AM02345922

Source: INTERMEDIATE
Pressure: 292 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 03/04/2014
Sampled By: C. A. WELLS
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks: AREA 24

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.182	0.0200	0.00	0.0018
CO2	0.003	0.0010	0.00	0.0000
Methane	91.159	15.4900	920.71	0.5049
Ethane	5.686	1.5240	100.63	0.0590
Propane	1.963	0.5420	49.39	0.0299
Iso-Butane	0.237	0.0780	7.71	0.0048
N-Butane	0.464	0.1470	15.14	0.0093
I-Pentane	0.120	0.0440	4.80	0.0030
N-Pentane	0.094	0.0340	3.77	0.0023
Hexane Plus	0.092	0.0410	4.85	0.0030
Total	100.000	17.9210	1106.98	0.6181

* @ 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): 1112.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1092.9
REAL SPECIFIC GRAVITY: 0.6194

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

DRY BTU @ 14.650: 1106.3
DRY BTU @ 14.696: 1109.7
DRY BTU @ 14.730: 1112.3
DRY BTU @ 15.025: 1134.6

CYLINDER #: 6205
CYLINDER PRESSURE: 314 PSIG
DATE RUN: 3/18/14 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #221F
Stn. No.: 883901
Mtr. No.: API 3003930146

INTERMEDIATE

03/25/2014
18300-25570

Smpl Date: 03/04/2014
Test Date: 03/18/2014
Run No: CP140177
Nitrogen: 0.182
CO2: 0.003
Methane: 91.159
Ethane: 5.686
Propane: 1.963
I-Butane: 0.237
N-Butane: 0.464
I-Pentane: 0.120
N-Pentane: 0.094
Hexane+: 0.092
BTU: 1112.3
GPM: 17.9210
SPG: 0.6194