



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

Analysis No: CP140144
Cust No: 18300-25475

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #124 INT
County/State: RIO ARRI 3A
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003: 20361

Source: INTERMEDIATE
Pressure: 379 PSIG
Sample Temp: 56 DEG. F
Well Flowing: N
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	0.414	0.0460	0.00	0.0040
CO2	0.001	0.0000	0.00	0.0000
Methane	83.429	14.1850	842.63	0.4621
Ethane	9.606	2.5770	170.00	0.0997
Propane	4.237	1.1710	106.61	0.0645
Iso-Butane	0.594	0.1950	19.32	0.0119
N-Butane	0.909	0.2870	29.65	0.0182
I-Pentane	0.255	0.0940	10.20	0.0064
N-Pentane	0.193	0.0700	7.74	0.0048
Hexane Plus	0.362	0.1620	19.08	0.0120
Total	100.000	18.7870	1205.23	0.6837

* @ 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): 1211.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1190.8
REAL SPECIFIC GRAVITY: 0.6856

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

DRY BTU @ 14.650: 1205.3
DRY BTU @ 14.696: 1209.1
DRY BTU @ 14.730: 1211.9
DRY BTU @ 15.025: 1236.2

CYLINDER #: U19
CYLINDER PRESSURE: 380 PSIG
DATE RUN: 3/11/14 12:00 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #124 INT
Stn. No.: 9952572
Mtr. No.: API 3003920361

INTERMEDIATE

03/20/2014
18300-25475

Smpl Date: 02/27/2014
Test Date: 03/11/2014
Run No: CP140144
Nitrogen: 0.414
CO2: 0.001
Methane: 83.429
Ethane: 9.606
Propane: 4.237
I-Butane: 0.594
N-Butane: 0.009
I-Pentane: 0.255
N-Pentane: 0.193
Hexane+: 0.362
BTU: 1211.9
GPM: 18.7370
SPG: 0.6356



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

Analysis No: CP140143
Cust No: 18300-25470

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #124 CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003920361

Source: CASING
Pressure: 199 PSIG
Sample Temp: 56 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	0.193	0.0210	0.00	0.0019
CO2	1.356	0.2320	0.00	0.0206
Methane	92.536	15.7230	934.61	0.5126
Ethane	3.903	1.0460	69.07	0.0405
Propane	0.918	0.2530	23.10	0.0140
Iso-Butane	0.207	0.0680	6.73	0.0042
N-Butane	0.261	0.0820	8.51	0.0052
I-Pentane	0.134	0.0490	5.36	0.0033
N-Pentane	0.094	0.0340	3.77	0.0023
Hexane Plus	0.398	0.1780	20.98	0.0132
Total	100.000	17.6860	1072.14	0.6178

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1077.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1058.6
REAL SPECIFIC GRAVITY: 0.6191

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

DRY BTU @ 14.650: 1071.4
DRY BTU @ 14.696: 1074.8
DRY BTU @ 14.730: 1077.3
DRY BTU @ 15.025: 1098.9

CYLINDER #: 1177
CYLINDER PRESSURE: 196 PSIG
DATE RUN: 3/11/14 12:40 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #124 CSG
Stn. No.: 9952572
Mtr. No.: API 3003920361

CASING

03/20/2014
18300-25470

Smpl Date: 02/27/2014
Test Date: 03/11/2014
Run No: CP140143

Nitrogen: 0.193
CO2: 1.356
Methane: 92.536
Ethane: 3.903
Propane: 0.918
I-Butane: 0.207
N-Butane: 0.261
I-Pentane: 0.134
N-Pentane: 0.094
Hexane+: 0.398

BTU: 1077.3
GPM: 17.6360
SPG: 0.6191