



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

Analysis No: CP140140
Cust No: 18300-25455

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #90N INT.
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003927570

Source: INTERMEDIATE
Pressure: 195 PSIG
Sample Temp: 57 DEG. F
Well Flowing:
Date Sampled: 02/26/2014
Sampled By: LYNN HOPPE
Foreman/Engr.: **OIL CONS. DIV DIST. 3**

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.262	0.0290	0.00	0.0025
CO2	0.004	0.0010	0.00	0.0001
Methane	89.709	15.2460	906.06	0.4969
Ethane	6.377	1.7100	112.85	0.0662
Propane	2.335	0.6450	58.75	0.0356
Iso-Butane	0.292	0.0960	9.50	0.0059
N-Butane	0.540	0.1710	17.62	0.0108
I-Pentane	0.138	0.0510	5.52	0.0034
N-Pentane	0.114	0.0410	4.57	0.0028
Hexane Plus	0.229	0.1020	12.07	0.0076
Total	100.000	18.0920	1126.94	0.6318

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1132.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1112.9
REAL SPECIFIC GRAVITY: 0.6333

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

DRY BTU @ 14.650: 1126.4
DRY BTU @ 14.696: 1130.0
DRY BTU @ 14.730: 1132.6
DRY BTU @ 15.025: 1155.3

CYLINDER #: GAS224
CYLINDER PRESSURE: 186 PSIG
DATE RUN: 3/11/14 12:36 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #90N INT.
Str. No.: 9952572
Mtr. No.: API 3003927570

INTERMEDIATE

03/20/2014
18300-25455

Smpl Date: 02/26/2014
Test Date: 03/11/2014
Run No: CP140140

Nitrogen: 0.262
CO2: 0.004
Methane: 89.709
Ethane: 6.377
Propane: 2.335
I-Butane: 0.292
N-Butane: 0.540
I-Pentane: 0.138
N-Pentane: 0.114
Hexane+: 0.229

BTU: 1132.6
GPM: 18.0920
SPG: 0.6333



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

Analysis No: CP140139
Cust No: 18300-25450

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #90N CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003927570

Source: CASING
Pressure: 186 PSIG
Sample Temp: 57 DEG. F
Well Flowing:
Date Sampled: 02/26/2014
Sampled By: LYNN HOPPE
Foreman/Engr.: OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.358	0.0400	0.00	0.0035
CO2	0.002	0.0000	0.00	0.0000
Methane	85.111	14.4730	859.62	0.4714
Ethane	7.280	1.9530	128.83	0.0756
Propane	4.029	1.1130	101.37	0.0613
Iso-Butane	0.658	0.2160	21.40	0.0132
N-Butane	1.200	0.3790	39.15	0.0241
I-Pentane	0.411	0.1510	16.44	0.0102
N-Pentane	0.342	0.1240	13.71	0.0085
Hexane Plus	0.609	0.2720	32.10	0.0202
Total	100.000	18.7210	1212.63	0.6880

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1219.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1198.3
REAL SPECIFIC GRAVITY: 0.69

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

DRY BTU @ 14.650: 1212.9
DRY BTU @ 14.696: 1216.7
DRY BTU @ 14.730: 1219.5
DRY BTU @ 15.025: 1243.9

CYLINDER #: WGP323
CYLINDER PRESSURE: 173 PSIG
DATE RUN: 3/11/14 12:35 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #90N CSG
Stn. No.: 9952572
Mtr. No.: API 3003927570

CASING

03/20/2014
18300-25450

Smpl Date: 02/26/2014
Test Date: 03/11/2014
Run No: CP140139

Nitrogen: 0.358
CO2: 0.002
Methane: 85.111
Ethane: 7.280
Propane: 4.029
I-Butane: 0.658
N-Butane: 1.200
I-Pentane: 0.411
N-Pentane: 0.342
Hexane+: 0.609

BTU: 1219.5
GPM: 18.7210
SPG: 0.6900