



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

Analysis No: CP140138
Cust No: 18300-25445

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #90F INT
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003926535

Source: INTERMEDIATE
Pressure: 411 PSIG
Sample Temp: 55 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	0.615	0.0680	0.00	0.0059
CO2	0.003	0.0010	0.00	0.0000
Methane	86.933	14.7770	878.02	0.4815
Ethane	6.904	1.8510	122.18	0.0717
Propane	3.514	0.9710	88.42	0.0535
Iso-Butane	0.587	0.1930	19.09	0.0118
N-Butane	0.799	0.2530	26.07	0.0160
I-Pentane	0.237	0.0870	9.48	0.0059
N-Pentane	0.154	0.0560	6.17	0.0038
Hexane Plus	0.254	0.1140	13.39	0.0084
Total	100.000	18.3710	1162.82	0.6587

* @ 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): 1168.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1148.6
REAL SPECIFIC GRAVITY: 0.6603

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

DRY BTU @ 14.650: 1162.6
DRY BTU @ 14.696: 1166.2
DRY BTU @ 14.730: 1168.9
DRY BTU @ 15.025: 1192.3

CYLINDER #: GAS110
CYLINDER PRESSURE: 411 PSIG
DATE RUN: 3/10/14 12:34 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #90F INT
Stn. No.: 9952572
Mtr. No.: API 3003926535

INTERMEDIATE

03/20/2014
18300-25445

Smpl Date: 02/27/2014
Test Date: 03/10/2014
Run No: CP140138
Nitrogen: 0.615
CO2: 0.003
Methane: 86.933
Ethane: 6.904
Propane: 3.514
I-Butane: 0.587
N-Butane: 0.799
I-Pentane: 0.237
N-Pentane: 0.154
Hexane+: 0.254
BTU: 1168.9
GPM: 18.3710
SPG: 0.6603



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

Analysis No: CP140137
Cust No: 18300-25440

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #90F CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003926535

Source: CASING
Pressure: 205 PSIG
Sample Temp: 55 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	0.341	0.0380	0.00	0.0033
CO2	0.983	0.1680	0.00	0.0149
Methane	83.346	14.1740	841.79	0.4617
Ethane	7.444	1.9970	131.74	0.0773
Propane	4.352	1.2030	109.50	0.0663
Iso-Butane	0.733	0.2410	23.84	0.0147
N-Butane	1.297	0.4100	42.31	0.0260
I-Pentane	0.477	0.1750	19.08	0.0119
N-Pentane	0.400	0.1450	16.03	0.0100
Hexane Plus	0.627	0.2800	33.05	0.0208
Total	100.000	18.8310	1217.35	0.7068

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1224.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1203.0
REAL SPECIFIC GRAVITY: 0.7089

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

DRY BTU @ 14.650: 1217.7
DRY BTU @ 14.696: 1221.5
DRY BTU @ 14.730: 1224.3
DRY BTU @ 15.025: 1248.8

CYLINDER #: GAS106
CYLINDER PRESSURE: 205 PSIG
DATE RUN: 3/10/14 12:33 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #90F CSG
Stn. No.: 9952572
Mtr. No.: API 3003926535

CASING

03/20/2014
18300-25440

Smpl Date: 02/27/2014
Test Date: 03/10/2014
Run No: CP140137
Nitrogen: 0.341
CO2: 0.983
Methane: 83.346
Ethane: 7.444
Propane: 4.352
I-Butane: 0.733
N-Butane: 1.297
I-Pentane: 0.477
N-Pentane: 0.400
Hexane+: 0.627
BTU: 1224.3
GPM: 18.8310
SPG: 0.7089