



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

Analysis No: CP140194
Cust No: 18300-25655

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #165N
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 8368401
API 3003927637

Source: CASING
Pressure: 179 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/26/2014
Sampled By: GREG CATHEY
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.568	0.0630	0.00	0.0055
CO2	0.628	0.1070	0.00	0.0095
Methane	85.958	14.6110	868.18	0.4761
Ethane	7.475	2.0040	132.29	0.0776
Propane	3.507	0.9690	88.24	0.0534
Iso-Butane	0.518	0.1700	16.84	0.0104
N-Butane	0.817	0.2580	26.65	0.0164
I-Pentane	0.232	0.0850	9.28	0.0058
N-Pentane	0.157	0.0570	6.29	0.0039
Hexane Plus	0.140	0.0630	7.38	0.0046
Total	100.000	18.3870	1155.15	0.6633

* @ 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): 1161.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1141.0
REAL SPECIFIC GRAVITY: 0.6649

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

DRY BTU @ 14.650: 1154.9
DRY BTU @ 14.696: 1158.5
DRY BTU @ 14.730: 1161.2
DRY BTU @ 15.025: 1184.5

CYLINDER #: 24
CYLINDER PRESSURE: 167 PSIG
DATE RUN: 3/25/14 2:35 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #165N
Stn. No.: 8368401
Mtr. No.: API 3003927637

CASING

03/26/2014
18300-25655

Smpl Date: 02/26/2014
Test Date: 03/25/2014
Run No: CP140194
Nitrogen: 0.568
CO2: 0.628
Methane: 85.958
Ethane: 7.475
Propane: 3.507
I-Butane: 0.518
N-Butane: 0.817
I-Pentane: 0.232
N-Pentane: 0.157
Hexane+: 0.140
BTU: 1161.2
GPM: 18.3870
SPG: 0.6649



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

Analysis No: CP140195
Cust No: 18300-25660

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #165N
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 8368401
API 3003927637

Source: INTERMEDIATE
Pressure: 178 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/26/2014
Sampled By: GREG CATHEY
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.534	0.0590	0.00	0.0052
CO2	0.000	0.0000	0.00	0.0000
Methane	89.122	15.1470	900.13	0.4936
Ethane	5.638	1.5120	99.78	0.0585
Propane	2.772	0.7660	69.75	0.0422
Iso-Butane	0.610	0.2000	19.84	0.0122
N-Butane	0.637	0.2010	20.78	0.0128
I-Pentane	0.246	0.0900	9.84	0.0061
N-Pentane	0.147	0.0530	5.89	0.0037
Hexane Plus	0.294	0.1310	15.50	0.0097
Total	100.000	18.1590	1141.50	0.6441

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1147.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1127.4
REAL SPECIFIC GRAVITY: 0.6456

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

DRY BTU @ 14.650: 1141.2
DRY BTU @ 14.696: 1144.8
DRY BTU @ 14.730: 1147.4
DRY BTU @ 15.025: 1170.4

CYLINDER #: 98
CYLINDER PRESSURE: 160 PSIG
DATE RUN: 3/25/14 2:36 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #165N
Stn. No.: 8368401
Mtr. No.: API 3003927637

INTERMEDIATE

03/26/2014
18300-25660

Smpl Date: 02/26/2014
Test Date: 03/25/2014
Run No: CP140195
Nitrogen: 0.534
CO2: 0.000
Methane: 89.122
Ethane: 5.638
Propane: 2.772
I-Butane: 0.610
N-Butane: 0.637
I-Pentane: 0.246
N-Pentane: 0.147
Hexane+: 0.294
BTU: 1147.4
GPM: 18.1590
SPG: 0.6456