



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

Analysis No: CP140198
 Cust No: 18300-25675

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
 Well Name: SAN JUAN 28-5 #77
 County/State: RIO ARRIBA NM
 Location:
 Field:
 Formation:
 Cust. Stn. No.: 86584
 API 3003920106

Source: CASING
 Pressure: 192 PSIG
 Sample Temp: DEG. F
 Well Flowing: N
 Date Sampled: 02/25/2014
 Sampled By: CHARLIE WELLS
 Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks: AREA 25

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.829	0.0910	0.00	0.0080
CO2	0.006	0.0010	0.00	0.0001
Methane	86.537	14.7110	874.02	0.4793
Ethane	6.289	1.6870	111.30	0.0653
Propane	3.998	1.1040	100.59	0.0609
Iso-Butane	0.713	0.2340	23.19	0.0143
N-Butane	0.836	0.2640	27.27	0.0168
I-Pentane	0.292	0.1070	11.68	0.0073
N-Pentane	0.192	0.0700	7.70	0.0048
Hexane Plus	0.308	0.1380	16.23	0.0102
Total	100.000	18.4070	1171.99	0.6669

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1178.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1157.7
 REAL SPECIFIC GRAVITY: 0.6687

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

DRY BTU @ 14.650: 1171.8
 DRY BTU @ 14.696: 1175.5
 DRY BTU @ 14.730: 1178.2
 DRY BTU @ 15.025: 1201.8

CYLINDER #: 015
 CYLINDER PRESSURE: 167 PSIG
 DATE RUN: 3/25/14 2:39 PM
 ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #77
Stn. No.: 86584
Mtr. No.: API 3003920106

CASING

03/26/2014
18300-25675

Smpl Date: 02/25/2014
Test Date: 03/25/2014
Run No: CP140198
Nitrogen: 0.829
CO2: 0.006
Methane: 86.537
Ethane: 6.289
Propane: 3.998
I-Butane: 0.713
N-Butane: 0.836
I-Pentane: 0.292
N-Pentane: 0.192
Hexane+: 0.308
BTU: 1178.2
GPM: 18.4070
SPG: 0.6687



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

Analysis No: CP140199
Cust No: 18300-25680

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-5 #77
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 8658401
API 3003920106
WO 9952572

Source: INTERMEDIATE
Pressure: 192 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: J. BOWMAN
Foreman/Engr.:

Remarks: AREA 25

OIL CONS. DIV DIST. 3

MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.830	0.0920	0.00	0.0080
CO2	0.006	0.0010	0.00	0.0001
Methane	86.609	14.7230	874.75	0.4797
Ethane	6.296	1.6880	111.42	0.0654
Propane	3.997	1.1040	100.57	0.0609
Iso-Butane	0.711	0.2330	23.12	0.0143
N-Butane	0.831	0.2630	27.11	0.0167
I-Pentane	0.285	0.1050	11.40	0.0071
N-Pentane	0.184	0.0670	7.38	0.0046
Hexane Plus	0.251	0.1120	13.23	0.0083
Total	100.000	18.3880	1168.98	0.6650

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1175.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1154.8
REAL SPECIFIC GRAVITY: 0.6667

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

DRY BTU @ 14.650: 1168.8
DRY BTU @ 14.696: 1172.5
DRY BTU @ 14.730: 1175.2
DRY BTU @ 15.025: 1198.7

CYLINDER #: 6044
CYLINDER PRESSURE: 173 PSIG
DATE RUN: 3/25/14 2:40 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #77
Stn. No.: 8658401
Mtr. No.: API 3003920106

INTERMEDIATE

03/26/2014
18300-25680

Smpl Date: 02/25/2014
Test Date: 03/25/2014
Run No: CP140199
Nitrogen: 0.830
CO2: 0.006
Methane: 86.609
Ethane: 6.296
Propane: 3.997
I-Butane: 0.711
N-Butane: 0.831
I-Pentane: 0.285
N-Pentane: 0.184
Hexane+: 0.251
BTU: 1175.2
GPM: 18.3880
SPG: 0.6667