



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

Analysis No: CP140175
Cust No: 18300-25560

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #17
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 7147301
API 3003906876

Source: BRADENHEAD
Pressure: 3.75 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: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.984	0.1090	0.00	0.0095
CO2	0.025	0.0040	0.00	0.0004
Methane	87.332	14.8450	882.05	0.4837
Ethane	5.897	1.5810	104.36	0.0612
Propane	3.586	0.9910	90.23	0.0546
Iso-Butane	0.821	0.2690	26.70	0.0165
N-Butane	0.609	0.1930	19.87	0.0122
I-Pentane	0.175	0.0640	7.00	0.0044
N-Pentane	0.089	0.0320	3.57	0.0022
Hexane Plus	0.482	0.2160	25.41	0.0160
Total	100.000	18.3040	1159.18	0.6607

* @ 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): 1165.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1144.9
REAL SPECIFIC GRAVITY: 0.6623

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

DRY BTU @ 14.650: 1158.9
DRY BTU @ 14.696: 1162.5
DRY BTU @ 14.730: 1165.2
DRY BTU @ 15.025: 1188.5

CYLINDER #: 48
CYLINDER PRESSURE: PSIG
DATE RUN: 3/19/14 8:25 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #17
Strn. No.: 7147301
Mtr. No.: API 3003906876

BRADENHEAD

03/25/2014
18300-25560

Smpl Date: 02/26/2014
Test Date: 03/19/2014
Run No: CP140175

Nitrogen: 0.984
CO2: 0.025
Methane: 87.332
Ethane: 5.897
Propane: 3.586
I-Butane: 0.821
N-Butane: 0.609
I-Pentane: 0.175
N-Pentane: 0.089
Hexane+: 0.482

BTU: 1165.2
GPM: 18.3040
SPG: 0.6623



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

Analysis No: CP140193
Cust No: 18300-25650

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #17
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 3003906876

Source: CASING
Pressure: 175 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	0.333	0.0370	0.00	0.0032
CO2	1.147	0.1960	0.00	0.0174
Methane	84.398	14.3500	852.42	0.4675
Ethane	7.643	2.0500	135.26	0.0793
Propane	3.651	1.0090	91.86	0.0556
Iso-Butane	0.662	0.2170	21.53	0.0133
N-Butane	0.950	0.3000	30.99	0.0191
I-Pentane	0.348	0.1280	13.92	0.0087
N-Pentane	0.253	0.0920	10.14	0.0063
Hexane Plus	0.615	0.2750	32.42	0.0204
Total	100.000	18.6540	1188.54	0.6907

* @ 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): 1195.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1174.3
REAL SPECIFIC GRAVITY: 0.6927

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

DRY BTU @ 14.650: 1188.6
DRY BTU @ 14.696: 1192.3
DRY BTU @ 14.730: 1195.1
DRY BTU @ 15.025: 1219.0

CYLINDER #: 13
CYLINDER PRESSURE: 159 PSIG
DATE RUN: 3/25/14 2:33 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #17
Stn. No.: 3003906876
Mtr. No.:

CASING

03/26/2014
18300-25650

Smpl Date: 02/26/2014
Test Date: 03/25/2014
Run No: CP140193
Nitrogen: 0.333
CO2: 1.147
Methane: 84.398
Ethane: 7.643
Propane: 3.651
I-Butane: 0.662
N-Butane: 0.950
I-Pentane: 0.348
N-Pentane: 0.253
Hexane+: 0.615
BTU: 1195.1
GPM: 18.6540
SPG: 0.6927