



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

Analysis No: CP140166
Cust No: 18300-19175

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 #34 CSG
County/State: RIO ARRIBA NM
Location:
Field: AREA 25
Formation:
Cust. Str. No.: 86038
9952572
API 3003907515

Source: CASING
Pressure: 145 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/27/2014
Sampled By: J.BOWMAN
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.331	0.0370	0.00	0.0032
CO2	0.216	0.0370	0.00	0.0033
Methane	83.930	14.2730	847.69	0.4649
Ethane	7.386	1.9820	130.71	0.0767
Propane	4.540	1.2550	114.23	0.0691
Iso-Butane	1.026	0.3370	33.36	0.0206
N-Butane	1.137	0.3600	37.09	0.0228
I-Pentane	0.432	0.1580	17.28	0.0108
N-Pentane	0.292	0.1060	11.71	0.0073
Hexane Plus	0.710	0.3180	37.42	0.0235
Total	100.000	18.8630	1229.50	0.7021

* @ 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): 1236.6

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1215.1

REAL SPECIFIC GRAVITY: 0.7042

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

DRY BTU @ 14.650: 1229.9

DRY BTU @ 14.696: 1233.7

DRY BTU @ 14.730: 1236.6

DRY BTU @ 15.025: 1261.4

CYLINDER #: 048

CYLINDER PRESSURE: 132 PSIG

DATE RUN: 3/10/14 1:20 PM

ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 #34 CSG
Stn. No.: 86038
Mtr. No.: 9952572

CASING

03/20/2014
18300-19175

Smpl Date:	02/27/2014	07/21/2010
Test Date:	03/10/2014	07/23/2010
Run No:	CP140166	CP100574
Nitrogen:	0.331	0.390
CO2:	0.216	0.220
Methane:	83.930	83.499
Ethane:	7.386	7.449
Propane:	4.540	4.874
I-Butane:	1.026	1.125
N-Butane:	1.137	1.224
I-Pentane:	0.432	0.399
N-Pentane:	0.292	0.248
Hexane+:	0.710	0.572
BTU:	1236.6	1237.4
GPM:	18.8630	18.8670
SPG:	0.7042	0.7055



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

Analysis No: CP140202
Cust No: 18300-25695

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 34
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 86038

Source: INTERMEDIATE
Pressure: 145 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: J. BOWMAN
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks: AREA 24

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.338	0.0370	0.00	0.0033
CO2	0.223	0.0380	0.00	0.0034
Methane	84.062	14.2940	849.03	0.4656
Ethane	7.478	2.0060	132.34	0.0776
Propane	4.565	1.2610	114.86	0.0695
Iso-Butane	1.025	0.3360	33.33	0.0206
N-Butane	1.119	0.3540	36.51	0.0225
I-Pentane	0.408	0.1500	16.32	0.0102
N-Pentane	0.265	0.0960	10.62	0.0066
Hexane Plus	0.517	0.2310	27.25	0.0171
Total	100.000	18.8030	1220.26	0.6963

* @ 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): 1227.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1205.7
REAL SPECIFIC GRAVITY: 0.6983

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

DRY BTU @ 14.650: 1220.4
DRY BTU @ 14.696: 1224.3
DRY BTU @ 14.730: 1227.1
DRY BTU @ 15.025: 1251.7

CYLINDER #: 006
CYLINDER PRESSURE: 144 PSIG
DATE RUN: 3/24/14 2:43 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 34
Stn. No.: 86038
Mtr. No.:

INTERMEDIATE

03/26/2014
18300-25695

Smpl Date: 02/25/2014
Test Date: 03/24/2014
Run No: CP140202

Nitrogen: 0.338
CO2: 0.223
Methane: 84.062
Ethane: 7.478
Propane: 4.565
I-Butane: 1.025
N-Butane: 1.119
I-Pentane: 0.408
N-Pentane: 0.265
Hexane+: 0.517

BTU: 1227.1
GPM: 18.8030
SPG: 0.6983



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

Analysis No: CP140201
Cust No: 18300-25690

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 #34
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 86038
API 3003907515
9952572

Source: BRADENHEAD
Pressure: 4 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: J. BOWMAN
Foreman/Engr.:

Remarks: AREA 25
PRESSURED WITH HELIUM TO 30 LBS.

OIL CONS. DIV DIST. 3

MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	59.760	6.5800	0.00	0.5780
CO2	0.061	0.0100	0.00	0.0009
Methane	35.293	5.9880	356.46	0.1955
Ethane	2.517	0.6740	44.54	0.0261
Propane	1.309	0.3610	32.94	0.0199
Iso-Butane	0.306	0.1000	9.95	0.0061
N-Butane	0.292	0.0920	9.53	0.0059
I-Pentane	0.121	0.0440	4.84	0.0030
N-Pentane	0.048	0.0170	1.92	0.0012
Hexane Plus	0.293	0.1310	15.44	0.0097
Total	100.000	13.9970	475.62	0.8464

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.001
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 477.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 468.9
REAL SPECIFIC GRAVITY: 0.8469

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

DRY BTU @ 14.650: 474.6
DRY BTU @ 14.696: 476.1
DRY BTU @ 14.730: 477.2
DRY BTU @ 15.025: 486.8

CYLINDER #: 004
CYLINDER PRESSURE: PSIG
DATE RUN: 3/25/14 2:42 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 #34
Stn. No.: 86038
Mtr. No.: API 3003907515

BRADENHEAD

03/26/2014
18300-25690

Smpl Date: 02/25/2014
Test Date: 03/25/2014
Run No: CP140201

Nitrogen: 59.760
CO2: 0.061
Methane: 35.293
Ethane: 2.517
Propane: 1.309
I-Butane: 0.306
N-Butane: 0.292
I-Pentane: 0.121
N-Pentane: 0.048
Hexane+: 0.293

BTU: 477.2
GPM: 13.9970
SPG: 0.8469