



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

Analysis No: CP140170
Cust No: 18300-25535

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 #68 BHD
County/State: RIO ARRIBA
Location:
Field:
Formation:
Cust. Stn. No.: 86698
AM00013392NO
API 3003920712

Source: BRADENHEAD
Pressure: 68 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	0.129	0.0140	0.00	0.0012
CO2	0.056	0.0100	0.00	0.0009
Methane	98.171	16.6740	991.53	0.5438
Ethane	1.383	0.3710	24.47	0.0144
Propane	0.140	0.0390	3.52	0.0021
Iso-Butane	0.039	0.0130	1.27	0.0008
N-Butane	0.020	0.0060	0.65	0.0004
I-Pentane	0.010	0.0040	0.40	0.0002
N-Pentane	0.004	0.0010	0.16	0.0001
Hexane Plus	0.048	0.0210	2.53	0.0016
Total	100.000	17.1530	1024.54	0.5655

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1029.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1011.2
REAL SPECIFIC GRAVITY: 0.5664

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

DRY BTU @ 14.650: 1023.5
DRY BTU @ 14.696: 1026.7
DRY BTU @ 14.730: 1029.1
DRY BTU @ 15.025: 1049.7

CYLINDER #: 011
CYLINDER PRESSURE: 31 PSIG
DATE RUN: 3/11/14 12:00 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 #68 BHD
Stn. No.: 86698
Mtr. No.: AM00013392NO

BRADENHEAD

03/20/2014
18300-25535

Smpl Date: 02/27/2014
Test Date: 03/11/2014
Run No: CP140170

Nitrogen: 0.129
CO2: 0.056
Methane: 98.171
Ethane: 1.383
Propane: 0.140
I-Butane: 0.039
N-Butane: 0.020
I-Pentane: 0.010
N-Pentane: 0.004
Hexane+: 0.048

BTU: 1029.1
GPM: 17.1530
SPG: 0.5664



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

Analysis No: CP140171
Cust No: 18300-19070

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 #68 CSG
County/State: RIO ARRIBA NM
Location: A18-29N-05E
Field:
Formation:
Cust. Stn. No.: 86698
AM00013392NO
API 3003920712

Source: CASING
Pressure: 300 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	0.094	0.0100	0.00	0.0009
CO2	1.752	0.3000	0.00	0.0266
Methane	96.561	16.4000	975.27	0.5349
Ethane	1.381	0.3700	24.44	0.0143
Propane	0.133	0.0370	3.35	0.0020
Iso-Butane	0.036	0.0120	1.17	0.0007
N-Butane	0.018	0.0060	0.59	0.0004
I-Pentane	0.008	0.0030	0.32	0.0002
N-Pentane	0.003	0.0010	0.12	0.0001
Hexane Plus	0.014	0.0060	0.74	0.0005
Total	100.000	17.1450	1005.99	0.5806

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1010.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 992.8
REAL SPECIFIC GRAVITY: 0.5816

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

DRY BTU @ 14.650: 1004.9
DRY BTU @ 14.696: 1008.1
DRY BTU @ 14.730: 1010.4
DRY BTU @ 15.025: 1030.6

CYLINDER #: X48
CYLINDER PRESSURE: 209 PSIG
DATE RUN: 3/10/14 1:24 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 #68 CSG
Stn. No.: 86698
Mtr. No.: AM00013392NO

CASING

03/20/2014
18300-19070

Smpl Date:	02/27/2014	07/06/2010
Test Date:	03/10/2014	07/08/2010
Run No:	CP140171	CP100511
Nitrogen:	0.094	0.090
CO2:	1.752	1.760
Methane:	96.561	96.687
Ethane:	1.381	1.264
Propane:	0.133	0.125
I-Butane:	0.036	0.034
N-Butane:	0.018	0.017
I-Pentane:	0.008	0.009
N-Pentane:	0.003	0.004
Hexane+:	0.014	0.010
BTU:	1010.4	1009.2
GPM:	17.1450	17.1280
SPG:	0.5816	0.5807



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

Analysis No: CP140172
Cust No: 18300-19075

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 #68 INT
County/State: RIO ARRIBA NM
Location: A18-29N-05E
Field:
Formation:
Cust. Stn. No.: 86698
AM00013392NO
API 3003920712

Source: INTERMEDIATE
Pressure: 300 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	0.114	0.0130	0.00	0.0011
CO2	1.734	0.2960	0.00	0.0263
Methane	96.592	16.4050	975.58	0.5350
Ethane	1.366	0.3660	24.17	0.0142
Propane	0.128	0.0350	3.22	0.0019
Iso-Butane	0.035	0.0110	1.14	0.0007
N-Butane	0.014	0.0040	0.46	0.0003
I-Pentane	0.008	0.0030	0.32	0.0002
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.009	0.0040	0.47	0.0003
Total	100.000	17.1370	1005.36	0.5801

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1009.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 992.2
REAL SPECIFIC GRAVITY: 0.5811

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

DRY BTU @ 14.650: 1004.3
DRY BTU @ 14.696: 1007.5
DRY BTU @ 14.730: 1009.8
DRY BTU @ 15.025: 1030.0

CYLINDER #: GAS220
CYLINDER PRESSURE: 275 PSIG
DATE RUN: 3/10/14 1:26 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 #68 INT
Stn. No.: 86698
Mtr. No.: AM00013392NO

INTERMEDIATE

03/20/2014
18300-19075

Smpl Date:	02/27/2014	07/06/2010
Test Date:	03/10/2014	07/08/2010
Run No:	CP140172	CP100512
Nitrogen:	0.114	0.090
CO2:	1.734	1.764
Methane:	96.592	96.676
Ethane:	1.366	1.263
Propane:	0.128	0.124
I-Butane:	0.035	0.034
N-Butane:	0.014	0.018
I-Pentane:	0.008	0.010
N-Pentane:	0.000	0.004
Hexane+:	0.009	0.017
BTU:	1009.8	1009.5
GPM:	17.1370	17.1320
SPG:	0.5811	0.5812