



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

Analysis No: CP140203
Cust No: 18300-25700

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 #38
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 86228
API 3003907472
WO 9952572

Source: BRADENHEAD
Pressure: 6 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 25
PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	98.176	10.8020	0.00	0.9496
CO2	0.040	0.0070	0.00	0.0006
Methane	1.718	0.2910	17.35	0.0095
Ethane	0.023	0.0060	0.41	0.0002
Propane	0.008	0.0020	0.20	0.0001
Iso-Butane	0.000	0.0000	0.00	0.0000
N-Butane	0.000	0.0000	0.00	0.0000
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.035	0.0160	1.84	0.0012
Total	100.000	11.1240	19.80	0.9612

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 19.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 19.6
REAL SPECIFIC GRAVITY: 0.9611

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

DRY BTU @ 14.650: 19.8
DRY BTU @ 14.696: 19.9
DRY BTU @ 14.730: 19.9
DRY BTU @ 15.025: 20.3

CYLINDER #: 121
CYLINDER PRESSURE: PSIG
DATE RUN: 3/25/14 2:44 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 #38
Stn. No.: 86228
Mtr. No.: API 3003907472

BRADENHEAD

03/26/2014
18300-25700

Smpl Date: 02/25/2014
Test Date: 03/25/2014
Run No: CP140203

Nitrogen: 98.176
CO2: 0.040
Methane: 1.718
Ethane: 0.023
Propane: 0.008
I-Butane: 0.000
N-Butane: 0.000
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 0.035

BTU: 19.9
GPM: 11.1240
SPG: 0.9611



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

Analysis No: CP140167
Cust No: 18300-19185

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 29-5 #38 CSG
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 86228
A650111NO
API 3003907472

Source: CASING
Pressure: 100 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:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.194	0.0210	0.00	0.0019
CO2	0.978	0.1670	0.00	0.0149
Methane	85.485	14.5340	863.40	0.4735
Ethane	7.552	2.0250	133.65	0.0784
Propane	3.260	0.9010	82.02	0.0496
Iso-Butane	0.489	0.1600	15.90	0.0098
N-Butane	0.831	0.2630	27.11	0.0167
I-Pentane	0.272	0.1000	10.88	0.0068
N-Pentane	0.219	0.0800	8.78	0.0055
Hexane Plus	0.720	0.3220	37.95	0.0238
Total	100.000	18.5730	1179.70	0.6808

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1186.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1165.5
REAL SPECIFIC GRAVITY: 0.6827

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

DRY BTU @ 14.650: 1179.7
DRY BTU @ 14.696: 1183.4
DRY BTU @ 14.730: 1186.1
DRY BTU @ 15.025: 1209.9

CYLINDER #: 068
CYLINDER PRESSURE: 93 PSIG
DATE RUN: 3/10/14 1:21 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-5 #38 CSG
Stn. No.: 86228
Mtr. No.: A650111NO

CASING

03/20/2014
18300-19185

Smpl Date:	02/25/2014	07/21/2010
Test Date:	03/10/2014	07/23/2010
Run No:	CP140167	CP100576
Nitrogen:	0.194	0.344
CO2:	0.978	1.235
Methane:	85.485	84.344
Ethane:	7.552	8.275
Propane:	3.260	3.469
I-Butane:	0.489	0.555
N-Butane:	0.831	0.853
I-Pentane:	0.272	0.268
N-Pentane:	0.219	0.196
Hexane+:	0.720	0.461
BTU:	1186.1	1180.7
GPM:	18.5730	18.5910
SPG:	0.6827	0.6850