



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

Analysis No: CP140205
Cust No: 18300-25710

30-039-07838

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #10
County/State: RIO ARRIBA NM
Location: M18-30N-05W
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM00012850NO

Source: INTERMEDIATE
Pressure: 128 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/19/2014
Sampled By: BRIAN CAIN
Foreman/Engr.: CHANDLER WITTLE

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.082	0.0090	0.00	0.0008
CO2	1.619	0.2770	0.00	0.0246
Methane	95.346	16.1950	962.99	0.5281
Ethane	2.421	0.6490	42.84	0.0251
Propane	0.341	0.0940	8.58	0.0052
Iso-Butane	0.067	0.0220	2.18	0.0013
N-Butane	0.039	0.0120	1.27	0.0008
I-Pentane	0.019	0.0070	0.76	0.0005
N-Pentane	0.008	0.0030	0.32	0.0002
Hexane Plus	0.058	0.0260	3.06	0.0019
Total	100.000	17.2940	1022.01	0.5886

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1026.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1008.7
REAL SPECIFIC GRAVITY: 0.5896

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

DRY BTU @ 14.650: 1021.0
DRY BTU @ 14.696: 1024.2
DRY BTU @ 14.730: 1026.6
DRY BTU @ 15.025: 1047.2

CYLINDER #: 195
CYLINDER PRESSURE: 119 PSIG
DATE RUN: 3/25/14 4:06 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #10
Str. No.: AM00012850NO
Mtr. No.:

INTERMEDIATE
MESA VERDE

03/26/2014
18300-25710

Smpl Date: 02/19/2014
Test Date: 03/25/2014
Run No: CP140205

Nitrogen: 0.082
CO2: 1.619
Methane: 95.346
Ethane: 2.421
Propane: 0.341
I-Butane: 0.067
N-Butane: 0.039
I-Pentane: 0.019
N-Pentane: 0.008
Hexane+: 0.058

BTU: 1026.6
GPM: 17.2940
SPG: 0.5896



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

Analysis No: CP140179
Cust No: 18300-25580

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #10
County/State: RIO ARRIBA NM
Location: M18-30N-05W
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM00012850NO

Source: CASING
Pressure: 128 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/19/2014
Sampled By: BRIAN CAIN
Foreman/Engr.: CHANDLER WITTLE

Remarks:

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.072	0.0080	0.00	0.0007
CO2	1.642	0.2810	0.00	0.0250
Methane	95.344	16.1950	962.97	0.5281
Ethane	2.424	0.6500	42.90	0.0252
Propane	0.330	0.0910	8.30	0.0050
Iso-Butane	0.067	0.0220	2.18	0.0013
N-Butane	0.036	0.0110	1.17	0.0007
I-Pentane	0.019	0.0070	0.76	0.0005
N-Pentane	0.008	0.0030	0.32	0.0002
Hexane Plus	0.058	0.0260	3.06	0.0019
Total	100.000	17.2940	1021.67	0.5886

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1026.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1008.4
REAL SPECIFIC GRAVITY: 0.5897

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

DRY BTU @ 14.650: 1020.7
DRY BTU @ 14.696: 1023.9
DRY BTU @ 14.730: 1026.3
DRY BTU @ 15.025: 1046.9

CYLINDER #: 121
CYLINDER PRESSURE: 118 PSIG
DATE RUN: 3/20/14 8:53 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #10
Stn. No.: AM00012850NO
Mtr. No.:

CASING
MESA VERDE

03/26/2014
18300-25580

Smpl Date: 02/19/2014
Test Date: 03/20/2014
Run No: CP140179

Nitrogen: 0.072
CO2: 1.642
Methane: 95.344
Ethane: 2.424
Propane: 0.330
I-Butane: 0.067
N-Butane: 0.036
I-Pentane: 0.019
N-Pentane: 0.008
Hexane+: 0.058

BTU: 1026.3
GPM: 17.2940
SPG: 0.5897



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

Analysis No: CP140180
Cust No: 18300-25585

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #10
County/State: RIO ARRIBA NM
Location: M18-30N-05W
Field:
Formation: MESA VERDE
Cust. Strn. No.: AM00012850NO

Source: BRADENHEAD
Pressure: 2 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/19/2014
Sampled By: BRIAN CAIN
Foreman/Engr.: CHANDLER WITTLE

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	96.785	10.6510	0.00	0.9361
CO2	0.078	0.0130	0.00	0.0012
Methane	1.440	0.2440	14.54	0.0080
Ethane	0.070	0.0190	1.24	0.0007
Propane	0.019	0.0050	0.48	0.0003
Iso-Butane	0.000	0.0000	0.00	0.0000
N-Butane	0.010	0.0030	0.33	0.0002
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	1.598	0.7130	84.23	0.0529
Total	100.000	11.6480	100.82	0.9994

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0005
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 101.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 99.3
REAL SPECIFIC GRAVITY: 0.9995

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

DRY BTU @ 14.650: 100.6
DRY BTU @ 14.696: 100.9
DRY BTU @ 14.730: 101.1
DRY BTU @ 15.025: 103.1

CYLINDER #: 162
CYLINDER PRESSURE: PSIG
DATE RUN: 3/20/14 8:55 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #10
Stn. No.: AM00012850NO
Mtr. No.:

BRADENHEAD
MESA VERDE

03/26/2014
18300-25585

Smpl Date: 02/19/2014
Test Date: 03/20/2014
Run No: CP140180

Nitrogen: 96.785
CO2: 0.078
Methane: 1.440
Ethane: 0.070
Propane: 0.019
I-Butane: 0.000
N-Butane: 0.010
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 1.598

BTU: 101.1
GPM: 11.6480
SPG: 0.9995