

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

30-039-30982

Analysis No: CP140207
Cust No: 18300-25720

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #53M
County/State: RIO ARriba NM
Location: J16-30N-05W
Field:
Formation: DAKOTA
Cust. Stn. No.: AM02483237NO

Source: BRADENHEAD
Pressure: 6.2 PSIA
Sample Temp: 59 DEG. F
Well Flowing: Y
Date Sampled: 02/19/2014
Sampled By: RODNEY GREENE
Foreman/Engr.: CHANDLER WITTLE

Remarks: PRESSURED WITH HELIUM TO 30 LBS.
LEASE NO: NM-E-347-47

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	23.723	2.6150	0.00	0.2294
CO2	0.025	0.0040	0.00	0.0004
Methane	70.023	11.8930	707.23	0.3879
Ethane	3.681	0.9860	65.14	0.0382
Propane	0.558	0.1540	14.04	0.0085
Iso-Butane	0.160	0.0520	5.20	0.0032
N-Butane	0.162	0.0510	5.28	0.0033
I-Pentane	0.115	0.0420	4.60	0.0029
N-Pentane	0.095	0.0340	3.81	0.0024
Hexane Plus	1.458	0.6510	76.85	0.0483
Total	100.000	16.4820	882.16	0.7243

* @ 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): 886.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 870.7

REAL SPECIFIC GRAVITY: 0.7256

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

DRY BTU @ 14.650: 881.3

DRY BTU @ 14.696: 884.1

DRY BTU @ 14.730: 886.1

DRY BTU @ 15.025: 903.8

CYLINDER #: 15

CYLINDER PRESSURE: PSIG

DATE RUN: 3/25/14 4:08 PM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #53M
Strn. No.: AM02483237NO
Mtr. No.:

BRADENHEAD
DAKOTA

03/26/2014
18300-25720

Smpl Date: 02/19/2014
Test Date: 03/25/2014
Run No: CP140207
Nitrogen: 23.723
CO2: 0.025
Methane: 70.023
Ethane: 3.681
Propane: 0.558
I-Butane: 0.160
N-Butane: 0.162
I-Pentane: 0.115
N-Pentane: 0.095
Hexane+: 1.458
BTU: 886.1
GPM: 16.4820
SPG: 0.7256



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

Analysis No: CP140181
Cust No: 18300-25590

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #53M
County/State: RIO ARRIBA NM
Location: L16-30N-05W
Field:
Formation: DAKOTA
Cust. Str. No.: AM00006854NO

Source: CASING
Pressure: 177 PSIA
Sample Temp: 64 DEG. F
Well Flowing: Y
Date Sampled: 02/19/2014
Sampled By: RODNEY GREENE
Foreman/Engr.: CHANDLER WITTLE

Remarks: LEASE NO: NM E-347-47

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	4.996	0.5510	0.00	0.0483
CO2	0.206	0.0350	0.00	0.0031
Methane	89.477	15.1990	903.72	0.4956
Ethane	3.294	0.8830	58.29	0.0342
Propane	1.227	0.3390	30.87	0.0187
Iso-Butane	0.216	0.0710	7.02	0.0043
N-Butane	0.274	0.0870	8.94	0.0055
I-Pentane	0.091	0.0330	3.64	0.0023
N-Pentane	0.063	0.0230	2.53	0.0016
Hexane Plus	0.156	0.0700	8.22	0.0052
Total	100.000	17.2910	1023.24	0.6188

* @ 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): 1027.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1010.0
REAL SPECIFIC GRAVITY: 0.6199

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

DRY BTU @ 14.650: 1022.3
DRY BTU @ 14.696: 1025.5
DRY BTU @ 14.730: 1027.9
DRY BTU @ 15.025: 1048.5

CYLINDER #: 7
CYLINDER PRESSURE: 164 PSIG
DATE RUN: 3/20/14 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #53M
Stn. No.: AM00006854NO
Mtr. No.:

CASING
DAKOTA

03/26/2014
18300-25590

Smpl Date: 02/19/2014
Test Date: 03/20/2014
Run No: CP140181
Nitrogen: 4.996
CO2: 0.206
Methane: 89.477
Ethane: 3.294
Propane: 1.227
I-Butane: 0.216
N-Butane: 0.274
I-Pentane: 0.091
N-Pentane: 0.063
Hexane+: 0.156
BTU: 1027.9
GPM: 17.2910
SPG: 0.6199



2030 Afton Place
Farmington, NM 87401
(505) 662-6622

CP140182
25595

30-039-300

Well/Lease Inform

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #53M
County/State: RIO ARriba NM
Location: L16-30N-05W
Field:
Formation: DAKOTA
Cust. Stn. No.: AM00006854NO

Casing
Wt. Del. 2
Brandon 2

Remarks: LEASE NO: NM E-347-47

IS. DIV DIST. 3
14 2014

Analysis

Component::	Mole%:	**GPM:		*SP Gravity:
Nitrogen	0.151	0.0170	0.00	0.0015
CO2	0.000	0.0000	0.00	0.0000
Methane	90.802	15.4310	917.10	0.5030
Ethane	4.942	1.3250	87.46	0.0513
Propane	2.472	0.6830	62.20	0.0376
Iso-Butane	0.416	0.1360	13.53	0.0083
N-Butane	0.603	0.1910	19.67	0.0121
I-Pentane	0.176	0.0650	7.04	0.0044
N-Pentane	0.139	0.0510	5.57	0.0035
Hexane Plus	0.299	0.1340	15.76	0.0099
Total	100.000	18.0330	1128.33	0.6315

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1134.0

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1114.3

REAL SPECIFIC GRAVITY: 0.633

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

DRY BTU @ 14.650: 1127.8

DRY BTU @ 14.696: 1131.4

DRY BTU @ 14.730: 1134.0

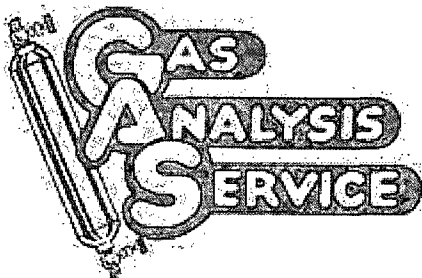
DRY BTU @ 15.025: 1156.7

CYLINDER #: 022

CYLINDER PRESSURE: 113 PSIG

DATE RUN: 3/20/14 9:23 AM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #53M
Strn. No.: AM00006854NO
Mtr. No.:

INT. CASING
DAKOTA

03/26/2014
18300-25595

Smpl Date: 02/19/2014
Test Date: 03/20/2014
Run No: CP140182

Nitrogen: 0.151
CO2: 0.000
Methane: 90.802
Ethane: 4.942
Propane: 2.472
I-Butane: 0.416
N-Butane: 0.603
I-Pentane: 0.176
N-Pentane: 0.139
Hexane+: 0.299

BTU: 1134.0
GPM: 18.0330
SPG: 0.6330