



30-045-33633

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

Analysis No: CP140212
Cust No: 18300-23195

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FARMINGTON COM 1E BHD
County/State: SAN JUAN
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 36691-301
9240587

Source:
Pressure: 210 PSIG
Sample Temp: 68 DEG. F
Well Flowing: N
Date Sampled: 03/05/2014
Sampled By: SAM GOMEZ
Foreman/Engr.: RICHARD LOPEZ

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.572	0.0630	0.00	0.0055
CO2	1.488	0.2550	0.00	0.0226
Methane	81.550	13.8660	823.66	0.4517
Ethane	10.137	2.7190	179.39	0.1052
Propane	4.128	1.1410	103.86	0.0628
Iso-Butane	0.571	0.1870	18.57	0.0115
N-Butane	0.871	0.2750	28.41	0.0175
I-Pentane	0.236	0.0870	9.44	0.0059
N-Pentane	0.189	0.0690	7.58	0.0047
Hexane Plus	0.258	0.1150	13.60	0.0085
Total	100.000	18.7770	1184.51	0.6960

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1191.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1170.4

REAL SPECIFIC GRAVITY: 0.698

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

DRY BTU @ 14.650: 1184.6

DRY BTU @ 14.696: 1188.4

DRY BTU @ 14.730: 1191.1

DRY BTU @ 15.025: 1215.0

CYLINDER #: A020

CYLINDER PRESSURE: 177 PSIG

DATE RUN: 3/27/14 12:00 AM

ANALYSIS RUN BY: AMANDA ARMENTA



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

Analysis No: CP140213
Cust No: 18300-25735

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FARMINGTON COM #1E CSG
County/State: SAN JUAN
Location:
Field:
Formation: DAKOTA
Cust. Str. No.: 36691-301
9240587

Source:
Pressure: 398 PSIG
Sample Temp: 68 DEG. F
Well Flowing: N
Date Sampled: 03/05/2014
Sampled By: SAM GOMEZ
Foreman/Engr.: RICHARD LOPEZ

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.563	0.0620	0.00	0.0054
CO2	1.576	0.2700	0.00	0.0239
Methane	80.830	13.7450	816.38	0.4477
Ethane	10.133	2.7180	179.32	0.1052
Propane	4.308	1.1900	108.39	0.0656
Iso-Butane	0.651	0.2140	21.17	0.0131
N-Butane	1.057	0.3340	34.48	0.0212
I-Pentane	0.311	0.1140	12.44	0.0077
N-Pentane	0.252	0.0920	10.10	0.0063
Hexane Plus	0.319	0.1430	16.81	0.0106
Total	100.000	18.8820	1199.11	0.7068

* @ 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): 1205.9

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1184.9

REAL SPECIFIC GRAVITY: 0.7088

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

DRY BTU @ 14.650: 1199.4

DRY BTU @ 14.696: 1203.1

DRY BTU @ 14.730: 1205.9

DRY BTU @ 15.025: 1230.1

CYLINDER #: K021

CYLINDER PRESSURE: 398 PSIG

DATE RUN: 3/27/14 8:12 AM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: FARMINGTON COM 1E BHD
Stn. No.: 36691-301
Mtr. No.: 9240587

DAKOTA

03/31/2014
18300-23195

Smpl Date:	03/05/2014	04/24/2012
Test Date:	03/27/2014	04/27/2012
Run No:	CP140212	CP120229
Nitrogen:	0.572	0.593
CO2:	1.488	1.531
Methane:	81.550	81.296
Ethane:	10.137	10.118
Propane:	4.128	4.177
I-Butane:	0.571	0.623
N-Butane:	0.871	1.020
I-Pentane:	0.236	0.278
N-Pentane:	0.189	0.206
Hexane+:	0.258	0.158
BTU:	1191.1	1193.1
GPM:	18.7770	18.7930
SPG:	0.6980	0.7002