



30-045-05972

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

Analysis No: BU140234
Cust No: 52100-21583

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: HUERFANITO #81 CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 75-266-01
AM02329585NO

Source: CASING
Pressure: 93 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/18/2014
Sampled By: CHORINA R.
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks: 078388

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.298	0.0330	0.00	0.0029
CO2	1.156	0.1980	0.00	0.0176
Methane	78.948	13.4300	797.37	0.4373
Ethane	11.164	2.9960	197.57	0.1159
Propane	4.437	1.2270	111.64	0.0676
Iso-Butane	0.938	0.3080	30.50	0.0188
N-Butane	1.276	0.4040	41.63	0.0256
I-Pentane	0.606	0.2220	24.25	0.0151
N-Pentane	0.396	0.1440	15.87	0.0099
Hexane Plus	0.781	0.3500	41.17	0.0258
Total	100.000	19.3120	1260.00	0.7364

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1267.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1245.5
REAL SPECIFIC GRAVITY: 0.7389

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

DRY BTU @ 14.650: 1260.7
DRY BTU @ 14.696: 1264.7
DRY BTU @ 14.730: 1267.6
DRY BTU @ 15.025: 1293.0

CYLINDER #: 4241
CYLINDER PRESSURE: 96 PSIG
DATE RUN: 4/1/14 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HUERFANITO #81 CSG
Stn. No.: 75-266-01
Mtr. No.: AM02329585NO

CASING
DAKOTA

04/03/2014
52100-21583

Smpl Date:	03/18/2014	07/20/2009
Test Date:	04/01/2014	07/22/2009
Run No:	BU140234	BU291008
Nitrogen:	0.298	0.235
CO2:	1.156	1.228
Methane:	78.948	78.811
Ethane:	11.164	11.030
Propane:	4.437	4.406
I-Butane:	0.938	0.978
N-Butane:	1.276	1.332
I-Pentane:	0.606	0.677
N-Pentane:	0.396	0.439
Hexane+:	0.781	0.864
BTU:	1267.6	1274.9
GPM:	19.3120	19.3650
SPG:	0.7389	0.7435



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

Analysis No: BU140233
Cust No: 52100-21581

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: HUERFANITO #81 BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: DAKOTA
Cust. Strn. No.: 75-266-01
AM02329585NO

Source: BRADENHEAD
Pressure: 92 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/18/2014
Sampled By: CHORINA R.
Foreman/Engr.:

Remarks: 078388

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.288	0.0320	0.00	0.0028
CO2	1.152	0.1970	0.00	0.0175
Methane	79.198	13.4730	799.90	0.4387
Ethane	11.068	2.9700	195.87	0.1149
Propane	4.409	1.2190	110.93	0.0671
Iso-Butane	0.929	0.3050	30.21	0.0186
N-Butane	1.276	0.4040	41.63	0.0256
I-Pentane	0.588	0.2160	23.53	0.0146
N-Pentane	0.380	0.1380	15.23	0.0095
Hexane Plus	0.712	0.3190	37.53	0.0236
Total	100.000	19.2730	1254.83	0.7329

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1262.4

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1240.4

REAL SPECIFIC GRAVITY: 0.7354

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

DRY BTU @ 14.650: 1255.5

DRY BTU @ 14.696: 1259.5

DRY BTU @ 14.730: 1262.4

DRY BTU @ 15.025: 1287.7

CYLINDER #: 7028

CYLINDER PRESSURE: 95 PSIG

DATE RUN: 4/1/14 12:00 AM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HUERFANITO #81 BHD
Stn. No.: 75-266-01
Mtr. No.: AM02329585NO

BRADENHEAD
DAKOTA

04/03/2014
52100-21581

Smpl Date:	03/18/2014	07/20/2009
Test Date:	04/01/2014	07/22/2009
Run No:	BU140233	BU291007
Nitrogen:	0.288	0.239
CO2:	1.152	1.227
Methane:	79.198	78.775
Ethane:	11.068	11.041
Propane:	4.409	4.364
I-Butane:	0.929	0.970
N-Butane:	1.276	1.310
I-Pentane:	0.588	0.686
N-Pentane:	0.380	0.450
Hexane+:	0.712	0.938
BTU:	1262.4	1277.3
GPM:	19.2730	19.3820
SPG:	0.7354	0.7450