



30-045-20416

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

Analysis No: CP140308

Cust No: 18300-24135

Well/Lease InformationCustomer Name: CONOCO PHILLIPS COMPANY
Well Name: HUERFANO #196
County/State: SAN JUAN NM
Location:
Field:
Formation: BASIN DK
Cust. Stn. No.: 75999
AM0234803NOSource: BRADENHEAD
Pressure: 218 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 04/22/2014
Sampled By: KELLY SHOCKLEY
Foreman/Engr.:OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.850	0.0940	0.00	0.0082
CO2	0.482	0.0830	0.00	0.0073
Methane	77.045	13.1050	778.15	0.4268
Ethane	12.916	3.4660	228.57	0.1341
Propane	5.878	1.6250	147.90	0.0895
Iso-Butane	0.812	0.2670	26.41	0.0163
N-Butane	1.400	0.4430	45.67	0.0281
I-Pentane	0.325	0.1190	13.00	0.0081
N-Pentane	0.206	0.0750	8.26	0.0051
Hexane Plus	0.086	0.0380	4.53	0.0028
Total	100.000	19.3150	1252.50	0.7263

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1259.9

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1238.0

REAL SPECIFIC GRAVITY: 0.7287

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

DRY BTU @ 14.650: 1253.1

DRY BTU @ 14.696: 1257.0

DRY BTU @ 14.730: 1259.9

DRY BTU @ 15.025: 1285.1

CYLINDER #: 043

CYLINDER PRESSURE: 28 PSIG

DATE RUN: 4/30/14 12:00 AM

ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HUERFANO #196
Stn. No.: 75999
Mtr. No.: AM0234803NO

BRADENHEAD
BASIN DK

05/01/2014
18300-24135

Smpl Date:	04/22/2014	01/04/2013
Test Date:	04/30/2014	01/07/2013
Run No:	CP140308	CP130053
Nitrogen:	0.850	0.786
CO2:	0.482	0.740
Methane:	77.045	74.954
Ethane:	12.916	14.240
Propane:	5.878	6.444
I-Butane:	0.812	0.764
N-Butane:	1.400	1.101
I-Pentane:	0.325	0.269
N-Pentane:	0.206	0.236
Hexane+:	0.086	0.466
BTU:	1259.9	1284.6
GPM:	19.3150	19.5630
SPG:	0.7287	0.7479



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

Analysis No: CP140246
Cust No: 18300-23255

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: HUERFANO #196
County/State: SAN JUAN
Location: P21-26N-10W
Field:
Formation: DAKOTA
Cust. Stn. No.: 75999-01
AM02348403NO

Source: CASING
Pressure: 246 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/25/2014
Sampled By: KELLY SHOCKLEY
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks: API #30-045-20416

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.815	0.0900	0.00	0.0079
CO2	1.094	0.1870	0.00	0.0166
Methane	75.282	12.8090	760.35	0.4170
Ethane	12.738	3.4190	225.43	0.1322
Propane	6.044	1.6710	152.07	0.0920
Iso-Butane	0.915	0.3010	29.76	0.0184
N-Butane	1.693	0.5360	55.23	0.0340
I-Pentane	0.592	0.2170	23.69	0.0147
N-Pentane	0.455	0.1660	18.24	0.0113
Hexane Plus	0.372	0.1670	19.61	0.0123
Total	100.000	19.5630	1284.37	0.7565

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1292.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1269.9
REAL SPECIFIC GRAVITY: 0.7591

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

DRY BTU @ 14.650: 1285.4
DRY BTU @ 14.696: 1289.4
DRY BTU @ 14.730: 1292.4
DRY BTU @ 15.025: 1318.3

CYLINDER #: SJ23
CYLINDER PRESSURE: 219 PSIG
DATE RUN: 4/15/14 12:00 AM
ANALYSIS RUN BY: AMANDA ARMENTA



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HUERFANO #196
Stn. No.: 75999-01
Mtr. No.: AM02348403NO

CASING
DAKOTA

04/16/2014
18300-23255

Smpl Date:	03/25/2014	01/08/2013	05/09/2012
Test Date:	04/15/2014	01/09/2013	05/14/2012
Run No:	CP140246	CP130057	CP120278
Nitrogen:	0.815	4.039	0.773
CO2:	1.094	1.267	1.197
Methane:	75.282	70.593	74.590
Ethane:	12.738	12.286	13.143
Propane:	6.044	5.880	6.364
I-Butane:	0.915	0.857	0.931
N-Butane:	1.693	1.561	1.705
I-Pentane:	0.592	0.520	0.527
N-Pentane:	0.455	0.410	0.417
Hexane+:	0.372	2.587	0.353
BTU:	1292.4	1339.9	1296.4
GPM:	19.5630	19.8850	19.6170
SPG:	0.7591	0.8271	0.7629