

30-045-26608



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

Analysis No: CP140704
Cust No: 18300-26485

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: PIERCE A 4E CSG
County/State: SAN JUAN
Location: K13-30N-10W
Field:
Formation: DAKOTA
Cust. Stn. No.: 9566901
AM02351410NO

Source: CASING
Pressure: 169 PSIG
Sample Temp: 83 DEG. F
Well Flowing: Y
Date Sampled: 08/18/2014
Sampled By: LISA COEN
Foreman/Engr.: JEB DUNCAN

RCVD SEP 18 '14
OIL CONS. DIV.

Remarks: NMSF - 078125-B

DIST. 3

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.121	0.0130	0.00	0.0012
CO2	2.243	0.3840	0.00	0.0341
Methane	93.193	15.8330	941.25	0.5162
Ethane	2.969	0.7960	52.54	0.0308
Propane	0.702	0.1940	17.66	0.0107
Iso-Butane	0.192	0.0630	6.24	0.0039
N-Butane	0.146	0.0460	4.76	0.0029
I-Pentane	0.104	0.0380	4.16	0.0026
N-Pentane	0.066	0.0240	2.65	0.0016
Hexane Plus	0.264	0.1180	13.92	0.0087
Total	100.000	17.5090	1043.18	0.6127

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1048.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1029.9
REAL SPECIFIC GRAVITY: 0.6139

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

DRY BTU @ 14.650: 1042.4
DRY BTU @ 14.696: 1045.7
DRY BTU @ 14.730: 1048.1
DRY BTU @ 15.025: 1069.1

CYLINDER #: 4126
CYLINDER PRESSURE: 193 PSIG
DATE RUN: 8/20/14 12:00 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: PIERCE A 4E CSG
Stn. No.: 9566901
Mtr. No.: AM02351410NO

CASING
DAKOTA

08/20/2014
18300-26485

Smpl Date: 08/18/2014
Test Date: 08/20/2014
Run No: CP140704

Nitrogen: 0.121
CO2: 2.243
Methane: 93.193
Ethane: 2.969
Propane: 0.702
I-Butane: 0.192
N-Butane: 0.146
I-Pentane: 0.104
N-Pentane: 0.066
Hexane+: 0.264

BTU: 1048.1
GPM: 17.5090
SPG: 0.6139

30-045-26608



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

Analysis No: CP140705
Cust No: 18300-26490

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: PIERCE A 4E INTRM
County/State: SAN JUAN
Location: K13-30N-10W
Field:
Formation: DK
Cust. Stn. No.: 9566901
AM02351410NO

Source: INTERMEDIATE
Pressure: 171 PSIG
Sample Temp: 83 DEG. F
Well Flowing: Y
Date Sampled: 08/18/2014
Sampled By: LISA COEN
Foreman/Engr.: JEB DUNCAN

RCVD SEP 18 '14

OIL CONS. DIV.

Remarks: NMSF - 078125-B

DIST. 3

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.120	0.0130	0.00	0.0012
CO2	2.209	0.3780	0.00	0.0336
Methane	93.800	15.9340	947.38	0.5196
Ethane	2.666	0.7140	47.18	0.0277
Propane	0.538	0.1490	13.54	0.0082
Iso-Butane	0.163	0.0530	5.30	0.0033
N-Butane	0.133	0.0420	4.34	0.0027
I-Pentane	0.098	0.0360	3.92	0.0024
N-Pentane	0.061	0.0220	2.45	0.0015
Hexane Plus	0.212	0.0950	11.17	0.0070
Total	100.000	17.4360	1035.28	0.6071

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1040.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1022.0
REAL SPECIFIC GRAVITY: 0.6082

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

DRY BTU @ 14.650: 1034.5
DRY BTU @ 14.696: 1037.7
DRY BTU @ 14.730: 1040.1
DRY BTU @ 15.025: 1060.9

CYLINDER #: 6033
CYLINDER PRESSURE: 160 PSIG
DATE RUN: 8/20/14 2:04 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: PIERCE A 4E INTRM
Stn. No.: 9566901
Mtr. No.: AM02351410NO

INTERMEDIATE
DK

08/20/2014
18300-26490

Smpl Date: 08/18/2014
Test Date: 08/20/2014
Run No: CP140705

Nitrogen: 0.120
CO2: 2.209
Methane: 93.800
Ethane: 2.666
Propane: 0.538
I-Butane: 0.163
N-Butane: 0.133
I-Pentane: 0.098
N-Pentane: 0.061
Hexane+: 0.212

BTU: 1040.1
GPM: 17.4360
SPG: 0.6082