



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

API - 3004509725

Analysis No: CP170373
Cust No: 18300-20435

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FAYE BURDETTE 1; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 73473
300450972500S01

Source: BRADENHEAD
Pressure: 0 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 07/06/2017
Sampled By: WAYNE SHELBY
Foreman/Engr.: NEUENSCHWANDER



Remarks: PRESSURED W/ HELIUM TO 30# W/O#9242347

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	8.037	0.8860	0.00	0.0777
CO2	0.046	0.0080	0.00	0.0007
Methane	83.833	14.2470	846.71	0.4644
Ethane	3.854	1.0330	68.20	0.0400
Propane	1.492	0.4120	37.54	0.0227
Iso-Butane	0.345	0.1130	11.22	0.0069
N-Butane	0.353	0.1120	11.52	0.0071
I-Pentane	0.214	0.0780	8.56	0.0053
N-Pentane	0.154	0.0560	6.17	0.0038
Hexane Plus	1.672	0.7470	88.13	0.0553
Total	100.000	17.6920	1078.06	0.6840

* @ 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): 1083.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1064.6
REAL SPECIFIC GRAVITY: 0.6856

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

DRY BTU @ 14.650: 1077.6
DRY BTU @ 14.696: 1081.0
DRY BTU @ 14.730: 1083.5
DRY BTU @ 15.025: 1105.2

CYLINDER #: 4099
CYLINDER PRESSURE: PSIG
DATE RUN: 7/13/17 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: FAYE BURDETTE 1; BHD
Stn. No.: 73473
Mtr. No.: 300450972500S01

BRADENHEAD
DAKOTA

07/20/2017
18300-20435

Smpl Date:	07/06/2017	05/27/2015	05/05/2011
Test Date:	07/13/2017	06/09/2015	05/06/2011
Run No:	CP170373	CP150287	CP110235
Nitrogen:	8.037	74.303	2.230
CO2:	0.046	0.080	0.030
Methane:	83.833	22.496	90.568
Ethane:	3.854	1.162	3.931
Propane:	1.492	0.437	1.673
I-Butane:	0.345	0.113	0.466
N-Butane:	0.353	0.133	0.366
I-Pentane:	0.214	0.093	0.193
N-Pentane:	0.154	0.061	0.116
Hexane+:	1.672	1.122	0.427
BTU:	1083.5	333.1	1093.6
GPM:	17.6920	13.0760	17.7280
SPG:	0.6856	0.9095	0.6298



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API - 3004509725

Analysis No: CP170374
Cust No: 18300-20440

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FAYE BURDETTE 1; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 73473
300450972500S01

Source: CASING
Pressure: 145 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 07/06/2017
Sampled By: WAYNE SHELBY
Foreman/Engr.: NEUENSCHWANDER

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.182	0.0200	0.00	0.0018
CO2	1.953	0.3340	0.00	0.0297
Methane	84.069	14.2970	849.09	0.4657
Ethane	6.983	1.8730	123.57	0.0725
Propane	2.760	0.7630	69.44	0.0420
Iso-Butane	0.739	0.2430	24.03	0.0148
N-Butane	1.033	0.3270	33.71	0.0207
I-Pentane	0.723	0.2650	28.92	0.0180
N-Pentane	0.507	0.1840	20.30	0.0126
Hexane Plus	1.053	0.4710	55.48	0.0348
Total	100.000	18.7770	1204.55	0.7126

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1211.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1190.4
REAL SPECIFIC GRAVITY: 0.7148

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

DRY BTU @ 14.650: 1204.9
DRY BTU @ 14.696: 1208.7
DRY BTU @ 14.730: 1211.5
DRY BTU @ 15.025: 1235.8

CYLINDER #: 5008
CYLINDER PRESSURE: 64 PSIG
DATE RUN: 7/13/17 12:00 AM
ANALYSIS RUN BY: RICHARD WILSON



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: FAYE BURDETTE 1; CSG
Stn. No.: 73473
Mtr. No.: 300450972500S01

CASING
DAKOTA

07/20/2017
18300-20440

Smpl Date:	07/06/2017	07/06/2017	05/26/2015	05/05/2011
Test Date:	07/13/2017	07/13/2017	06/09/2015	05/06/2011
Run No:	CP170374	CP170374	CP150288	CP110236
Nitrogen:	0.182	0.182	0.346	0.179
CO2:	1.953	1.953	1.879	1.814
Methane:	84.069	84.069	84.893	88.508
Ethane:	6.983	6.983	6.669	5.997
Propane:	2.760	2.760	2.621	1.830
I-Butane:	0.739	0.739	0.729	0.415
N-Butane:	1.033	1.033	0.995	0.467
I-Pentane:	0.723	0.723	0.716	0.250
N-Pentane:	0.507	0.507	0.474	0.153
Hexane+:	1.053	1.053	0.678	0.387
BTU:	1211.5	1211.5	1187.5	1117.1
GPM:	18.7770	18.7770	18.5990	18.0910
SPG:	0.7148	0.7148	0.6999	0.6518



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API - 3004509725

Analysis No: CP170375
Cust No: 18300-32530

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: FAYE BURDETTE 1 TBG
County/State: SAN JUAN NM
Location:
Field:
Formation: DK
Cust. Stn. No.:
300450972500S01

Source: TUBING
Pressure: 131 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 07/06/2017
Sampled By: WAYNE SHELBY
Foreman/Engr.: NEUENSCHWANDER

Remarks: W/O#9242347

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SGP Gravity:
Nitrogen	0.194	0.0210	0.00	0.0019
CO2	1.807	0.3090	0.00	0.0274
Methane	88.285	15.0050	891.68	0.4890
Ethane	6.115	1.6400	108.22	0.0635
Propane	1.830	0.5050	46.04	0.0279
Iso-Butane	0.393	0.1290	12.79	0.0079
N-Butane	0.451	0.1420	14.70	0.0090
I-Pentane	0.235	0.0860	9.40	0.0059
N-Pentane	0.153	0.0560	6.14	0.0038
Hexane Plus	0.538	0.2410	28.38	0.0178
Total	100.000	18.1340	1117.33	0.6541

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1123.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1103.6
REAL SPECIFIC GRAVITY: 0.6557

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

DRY BTU @ 14.650: 1117.0
DRY BTU @ 14.696: 1120.5
DRY BTU @ 14.730: 1123.1
DRY BTU @ 15.025: 1145.6

CYLINDER #: 6006
CYLINDER PRESSURE: 13 PSIG
DATE RUN: 7/13/17 12:00 AM
ANALYSIS RUN BY: RICHARD WILSON



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: FAYE BURDETTE 1 TBG
Stn. No.:
Mtr. No.: 300450972500S01

TUBING
DK

07/20/2017
18300-32530

Smpl Date: 07/06/2017
Test Date: 07/13/2017
Run No: CP170375
Nitrogen: 0.194
CO2: 1.807
Methane: 88.285
Ethane: 6.115
Propane: 1.830
I-Butane: 0.393
N-Butane: 0.451
I-Pentane: 0.235
N-Pentane: 0.153
Hexane+: 0.538
BTU: 1123.1
GPM: 18.1340
SPG: 0.6557