



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

Analysis No: CP160331
Cust No: 18300-18810

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: ALLISON 39; BHD
County/State: SAN JUAN NM
Location: A18-32N-06W
Field:
Formation: FRUITLAND COAL
Cust. Str. No.: 82429018
A728677SM
API 300452916500C02

OIL CONS. DIV DIST. 3
DEC 15 2016

Source: BRADENHEAD
Pressure: 63 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/07/2016
Sampled By: GREG DUNN
Foreman/Engr.: JOE COLLEY

Remarks: W/O #9274214

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	4.608	0.5080	0.00	0.0446
CO2	0.030	0.0050	0.00	0.0005
Methane	94.466	16.0410	954.11	0.5232
Ethane	0.797	0.2130	14.10	0.0083
Propane	0.071	0.0200	1.79	0.0011
Iso-Butane	0.010	0.0030	0.33	0.0002
N-Butane	0.002	0.0010	0.07	0.0000
I-Pentane	0.007	0.0030	0.28	0.0002
N-Pentane	0.008	0.0030	0.32	0.0002
Hexane Plus	0.001	0.0000	0.05	0.0000
Total	100.000	16.7970	971.04	0.5783

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0019
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 975.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 958.1
REAL SPECIFIC GRAVITY: 0.5791

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

DRY BTU @ 14.650: 969.8
DRY BTU @ 14.696: 972.8
DRY BTU @ 14.730: 975.1
DRY BTU @ 15.025: 994.6

CYLINDER #: 060
CYLINDER PRESSURE: 30 PSIG
DATE RUN: 6/13/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: ALLISON 39; BHD
Stn. No.: 82429018
Mtr. No.: A728677SM

BRADENHEAD
FRUITLAND COAL

06/14/2016
18300-18810

Smpl Date:	06/07/2016	05/14/2013	07/12/2010
Test Date:	06/13/2016	05/22/2013	07/14/2010
Run No:	CP160331	CP130416	CP100445
Nitrogen:	4.608	4.606	4.918
CO2:	0.030	0.007	0.005
Methane:	94.466	94.517	94.228
Ethane:	0.797	0.786	0.757
Propane:	0.071	0.071	0.069
I-Butane:	0.010	0.011	0.010
N-Butane:	0.002	0.002	0.002
I-Pentane:	0.007	0.000	0.000
N-Pentane:	0.008	0.000	0.000
Hexane+:	0.001	0.000	0.011
BTU:	975.1	974.8	971.9
GPM:	16.7970	16.7950	16.7760
SPG:	0.5791	0.5786	0.5801



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

Analysis No: CP160332
Cust No: 18300-18815

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: ALLISON 39; CSG
County/State: SAN JUAN NM
Location: A18-32N-06W
Field:
Formation: FRUITLAND COAL
Cust. Str. No.: 82429018
API 300452961500C02

Source: CASING
Pressure: 142 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/07/2016
Sampled By: GREG DUNN
Foreman/Engr.: JOE COLLEY

Remarks: W/O #9274214

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.082	0.0090	0.00	0.0008
CO2	1.782	0.3050	0.00	0.0271
Methane	91.278	15.5080	921.91	0.5056
Ethane	5.310	1.4230	93.97	0.0551
Propane	1.110	0.3060	27.93	0.0169
Iso-Butane	0.166	0.0540	5.40	0.0033
N-Butane	0.142	0.0450	4.63	0.0028
I-Pentane	0.052	0.0190	2.08	0.0013
N-Pentane	0.022	0.0080	0.88	0.0005
Hexane Plus	0.056	0.0250	2.95	0.0019
Total	100.000	17.7020	1059.75	0.6154

* @ 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): 1064.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1046.3
REAL SPECIFIC GRAVITY: 0.6166

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

DRY BTU @ 14.650: 1059.0
DRY BTU @ 14.696: 1062.3
DRY BTU @ 14.730: 1064.8
DRY BTU @ 15.025: 1086.1

CYLINDER #: 140
CYLINDER PRESSURE: 128 PSIG
DATE RUN: 6/10/16 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: ALLISON 39; CSG
Stn. No.: 82429018
Mtr. No.: API

CASING
FRUITLAND COAL

06/14/2016
18300-18815

Smpl Date:	06/07/2016	05/14/2013	07/12/2010
Test Date:	06/10/2016	05/22/2013	07/14/2010
Run No:	CP160332	CP130417	CP100446
Nitrogen:	0.082	0.084	0.068
CO2:	1.782	2.267	2.122
Methane:	91.278	95.889	95.255
Ethane:	5.310	1.535	2.118
Propane:	1.110	0.162	0.316
I-Butane:	0.166	0.027	0.050
N-Butane:	0.142	0.015	0.036
I-Pentane:	0.052	0.006	0.014
N-Pentane:	0.022	0.000	0.006
Hexane+:	0.056	0.015	0.015
BTU:	1064.8	1006.6	1016.5
GPM:	17.7020	17.1620	17.2420
SPG:	0.6166	0.5873	0.5909