



Phillips 1E
API# 30-045-23993

2030 Afton Place
Farmington, NM 87401
OIL CONS. DIV DIST. 3 (505) 325-6622

SEP 09 2015

Analysis No: CP150481
Cust No: 18300-23600

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: PHILLIPS 1E; BHD
County/State: SAN JUAN NM
Location: B16-28N-11W
Field:
Formation: DK
Cust. Stn. No.: 06733007
A706265SM

Source: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/02/2015
Sampled By: DAVID BIXLER
Foreman/Engr.: MIKE MEGORDAN

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.844	0.0930	0.00	0.0082
CO2	0.034	0.0060	0.00	0.0005
Methane	90.641	15.4020	915.47	0.5021
Ethane	5.111	1.3700	90.45	0.0531
Propane	2.024	0.5590	50.93	0.0308
Iso-Butane	0.388	0.1270	12.62	0.0078
N-Butane	0.448	0.1420	14.62	0.0090
I-Pentane	0.152	0.0560	6.08	0.0038
N-Pentane	0.092	0.0330	3.69	0.0023
Hexane Plus	0.266	0.1190	14.02	0.0088
Total	100.000	17.9070	1107.87	0.6263

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1113.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1093.9
REAL SPECIFIC GRAVITY: 0.6277

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

DRY BTU @ 14.650: 1107.3
DRY BTU @ 14.696: 1110.7
DRY BTU @ 14.730: 1113.3
DRY BTU @ 15.025: 1135.6

CYLINDER #: 6184
CYLINDER PRESSURE: PSIG
DATE RUN: 9/3/15 12:48 PM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: PHILLIPS 1E; BHD
Stn. No.: 06733007
Mtr. No.: A706265SM

BRADENHEAD
DK

09/03/2015
18300-23600

Smpl Date:	09/02/2015	07/25/2012
Test Date:	09/03/2015	07/31/2012
Run No:	CP150481	CP120636
Nitrogen:	0.844	0.935
CO2:	0.034	0.017
Methane:	90.641	90.083
Ethane:	5.111	5.681
Propane:	2.024	2.069
I-Butane:	0.388	0.353
N-Butane:	0.448	0.436
I-Pentane:	0.152	0.138
N-Pentane:	0.092	0.085
Hexane+:	0.266	0.203
BTU:	1113.3	1113.2
GPM:	17.9070	17.9350
SPG:	0.6277	0.6282



Phillips 1E

API # 30-045-23993

2030 Afton Place

Farmington, NM 87401

(505) 325-6622

OIL CONS. DIV DIST. 3

SEP 09 2015

Analysis No: CP150482

Cust No: 18300-23660

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: PHILLIPS #1E
County/State: SAN JUAN NM
Location:
Field:
Formation: DK
Cust. Stn. No.: 06733007
9268733

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/02/2015
Sampled By: DAVID BIXLER
Foreman/Engr.: MIKE MEGORDAN

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.442	0.0490	0.00	0.0043
CO2	1.324	0.2270	0.00	0.0201
Methane	78.912	13.4350	797.01	0.4371
Ethane	8.161	2.1920	144.42	0.0847
Propane	3.685	1.0200	92.72	0.0561
Iso-Butane	0.983	0.3230	31.97	0.0197
N-Butane	1.796	0.5690	58.59	0.0360
I-Pentane	1.240	0.4550	49.61	0.0309
N-Pentane	1.127	0.4100	45.18	0.0281
Hexane Plus	2.330	1.0430	122.81	0.0771
Total	100.000	19.7230	1342.31	0.7942

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0045
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1351.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1328.0
REAL SPECIFIC GRAVITY: 0.7974

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

DRY BTU @ 14.650: 1344.2
DRY BTU @ 14.696: 1348.4
DRY BTU @ 14.730: 1351.5
DRY BTU @ 15.025: 1378.6

CYLINDER #: 7004
CYLINDER PRESSURE: 52 PSIG
DATE RUN: 9/3/15 12:49 PM
ANALYSIS RUN BY: Kindra Anderson



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: PHILLIPS #1E
Stn. No.: 06733007
Mtr. No.: 9268733

CASING
DK

09/03/2015
18300-23660

Smpl Date:	09/02/2015	10/29/2013	04/24/2013	08/14/2012
Test Date:	09/03/2015	11/05/2013	05/07/2013	08/16/2012
Run No:	CP150482	CP130801	CP130371	CP120657
Nitrogen:	0.442	0.311	0.328	0.344
CO2:	1.324	1.581	1.560	1.560
Methane:	78.912	82.056	82.785	82.082
Ethane:	8.161	8.710	8.628	7.948
Propane:	3.685	3.439	3.234	3.034
I-Butane:	0.983	0.737	0.675	0.688
N-Butane:	1.796	1.069	0.935	1.053
I-Pentane:	1.240	0.493	0.423	0.664
N-Pentane:	1.127	0.364	0.300	0.573
Hexane+:	2.330	1.240	1.132	2.054
BTU:	1351.5	1235.2	1218.2	1268.3
GPM:	19.7230	18.9990	18.8790	19.1730
SPG:	0.7974	0.7253	0.7142	0.7467