



OIL CONS. DIV DIST. 3

JAN 26 2017

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP170043
Cust No: 18300-28210**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: COOPER #1E; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004524034Source: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 01/23/2017
Sampled By: JERRY SAIZ
Foreman/Engr.: MICHELLE BENTSON

Remarks: W/O # 21914404

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.581	0.0640	0.00	0.0056
CO2	0.040	0.0070	0.00	0.0006
Methane	89.927	15.2810	908.26	0.4981
Ethane	6.026	1.6150	106.64	0.0626
Propane	2.273	0.6280	57.19	0.0346
Iso-Butane	0.350	0.1150	11.38	0.0070
N-Butane	0.480	0.1520	15.66	0.0096
I-Pentane	0.122	0.0450	4.88	0.0030
N-Pentane	0.078	0.0280	3.13	0.0019
Hexane Plus	0.123	0.0550	6.48	0.0041
Total	100.000	17.9900	1113.63	0.6272

* @ 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): 1119.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1099.6
REAL SPECIFIC GRAVITY: 0.6286GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1113.0
DRY BTU @ 14.696: 1116.5
DRY BTU @ 14.730: 1119.1
DRY BTU @ 15.025: 1141.5CYLINDER #: 6015
CYLINDER PRESSURE: 9 PSIG
DATE RUN: 1/24/17 12:30 PM
ANALYSIS RUN BY: DAWN BLASSINGAME

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: COOPER #1E; BHD
Stn. No.: API 3004524034
Mtr. No.:

BRADENHEAD

01/24/2017
18300-28210

Smpl Date: 01/23/2017
Test Date: 01/24/2017
Run No: CP170043
Nitrogen: 0.581
CO2: 0.040
Methane: 89.927
Ethane: 6.026
Propane: 2.273
I-Butane: 0.350
N-Butane: 0.480
I-Pentane: 0.122
N-Pentane: 0.078
Hexane+: 0.123
BTU: 1119.1
GPM: 17.9900
SPG: 0.6286



OIL CONS. DIV DIST. 3

JAN 26 2017

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP170044
Cust No: 18300-28215**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: COOPER #1E; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004524034Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 01/23/2017
Sampled By: JERRY SAIZ
Foreman/Engr.: MICHELLE BENTSON

Remarks: W/O # 21914404

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.299	0.0330	0.00	0.0029
CO2	1.644	0.2820	0.00	0.0250
Methane	77.558	13.2020	783.34	0.4296
Ethane	9.051	2.4300	160.18	0.0940
Propane	5.120	1.4160	128.82	0.0780
Iso-Butane	0.966	0.3170	31.41	0.0194
N-Butane	2.134	0.6750	69.62	0.0428
I-Pentane	0.856	0.3140	34.25	0.0213
N-Pentane	0.905	0.3290	36.28	0.0225
Hexane Plus	1.467	0.6570	77.33	0.0486
Total	100.000	19.6550	1321.22	0.7840

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0043

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1330.0

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1306.9

REAL SPECIFIC GRAVITY: 0.7871

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

DRY BTU @ 14.650: 1322.8

DRY BTU @ 14.696: 1326.9

DRY BTU @ 14.730: 1330.0

DRY BTU @ 15.025: 1356.6

CYLINDER #: 4215

CYLINDER PRESSURE: 32 PSIG

DATE RUN: 1/24/17 12:32 PM

ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: COOPER #1E; CSG
Stn. No.: API 3004524034
Mtr. No.:

CASING

01/24/2017
18300-28215

Smpl Date: 01/23/2017
Test Date: 01/24/2017
Run No: CP170044

Nitrogen: 0.299
CO2: 1.644
Methane: 77.558
Ethane: 9.051
Propane: 5.120
I-Butane: 0.966
N-Butane: 2.134
I-Pentane: 0.856
N-Pentane: 0.905
Hexane+: 1.467

BTU: 1330.0
GPM: 19.6550
SPG: 0.7871