



OIL CONS. DIV DIST. 3
JAN 26 2017

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

Analysis No: CP170042
Cust No: 18300-28205

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: COOPER #1; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004508470

Source: 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 # 21914405

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.717	0.0790	0.00	0.0069
CO2	0.307	0.0530	0.00	0.0047
Methane	75.060	12.7830	758.11	0.4158
Ethane	9.497	2.5510	168.07	0.0986
Propane	6.238	1.7260	156.95	0.0950
Iso-Butane	0.983	0.3230	31.97	0.0197
N-Butane	3.204	1.0150	104.52	0.0643
I-Pentane	1.217	0.4470	48.69	0.0303
N-Pentane	1.396	0.5080	55.96	0.0348
Hexane Plus	1.381	0.6190	72.79	0.0457
Total	100.000	20.1040	1397.06	0.8157

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0048
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1406.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1382.4
REAL SPECIFIC GRAVITY: 0.8193

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

DRY BTU @ 14.650: 1399.3
DRY BTU @ 14.696: 1403.7
DRY BTU @ 14.730: 1406.9
DRY BTU @ 15.025: 1435.1

CYLINDER #: 6204
CYLINDER PRESSURE: 34 PSIG
DATE RUN: 1/24/17 12:18 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: COOPER #1; CSG
Stn. No.: API 3004508470
Mtr. No.:

CASING

01/24/2017
18300-28205

Smpl Date: 01/23/2017
Test Date: 01/24/2017
Run No: CP170042
Nitrogen: 0.717
CO2: 0.307
Methane: 75.060
Ethane: 9.497
Propane: 6.238
I-Butane: 0.983
N-Butane: 3.204
I-Pentane: 1.217
N-Pentane: 1.396
Hexane+: 1.381
BTU: 1406.9
GPM: 20.1040
SPG: 0.8193



OIL CONS. DIV DIST. 3

JAN 26 2017

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

Analysis No: CP170041
Cust No: 18300-28200

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: COOPER #1; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004508470

Source: 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 # 21914405

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.315	0.0350	0.00	0.0030
CO2	0.006	0.0010	0.00	0.0001
Methane	87.133	14.8120	880.04	0.4826
Ethane	7.165	1.9210	126.80	0.0744
Propane	3.030	0.8370	76.24	0.0461
Iso-Butane	0.557	0.1830	18.11	0.0112
N-Butane	0.801	0.2530	26.13	0.0161
I-Pentane	0.313	0.1150	12.52	0.0078
N-Pentane	0.227	0.0830	9.10	0.0057
Hexane Plus	0.453	0.2030	23.88	0.0150
Total	100.000	18.4430	1172.82	0.6620

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1179.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1158.6
REAL SPECIFIC GRAVITY: 0.6637

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

DRY BTU @ 14.650: 1172.7
DRY BTU @ 14.696: 1176.4
DRY BTU @ 14.730: 1179.1
DRY BTU @ 15.025: 1202.7

CYLINDER #: 6236
CYLINDER PRESSURE: 11 PSIG
DATE RUN: 1/24/17 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: COOPER #1; BHD
Stn. No.: API 3004508470
Mtr. No.:

BRADENHEAD

01/24/2017
18300-28200

Smpl Date: 01/23/2017
Test Date: 01/24/2017
Run No: CP170041

Nitrogen: 0.315
CO2: 0.006
Methane: 87.133
Ethane: 7.165
Propane: 3.030
I-Butane: 0.557
N-Butane: 0.801
I-Pentane: 0.313
N-Pentane: 0.227
Hexane+: 0.453

BTU: 1179.1
GPM: 18.4430
SPG: 0.6637