



OIL CONS. DIV DIST. 3

JUN 30 2016

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160404
Cust No: 18300-27925**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: HARRINGTON #1; INT
County/State: SAN JUAN NM
Location:
Field:
Formation: PC
Cust. Stn. No.: API 3003906795
70079-01

Source: INTERMEDIATE
Pressure: 0 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/22/2016
Sampled By: LEON S.
Foreman/Engr.: KAYLIE PLUNKETT

Remarks: W/O 9256086
PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	99.565	10.9540	0.00	0.9630
CO2	0.095	0.0160	0.00	0.0014
Methane	0.340	0.0580	3.43	0.0019
Ethane	0.000	0.0000	0.00	0.0000
Propane	0.000	0.0000	0.00	0.0000
Iso-Butane	0.000	0.0000	0.00	0.0000
N-Butane	0.000	0.0000	0.00	0.0000
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.000	0.0000	0.00	0.0000
Total	100.000	11.0280	3.43	0.9663

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 3.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 3.3
REAL SPECIFIC GRAVITY: 0.9662

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

DRY BTU @ 14.650: 3.4
DRY BTU @ 14.696: 3.4
DRY BTU @ 14.730: 3.4
DRY BTU @ 15.025: 3.5

CYLINDER #: 4241
CYLINDER PRESSURE: PSIG
DATE RUN: 6/27/16 2:16 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HARRINGTON #1; INT
Stn. No.: API 3003906795
Mtr. No.: 70079-01

INTERMEDIATE
PC

06/28/2016
18300-27925

Smpl Date: 06/22/2016
Test Date: 06/27/2016
Run No: CP160404

Nitrogen: 99.565
CO2: 0.095
Methane: 0.340
Ethane: 0.000
Propane: 0.000
I-Butane: 0.000
N-Butane: 0.000
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 0.000

BTU: 3.4
GPM: 11.0280
SPG: 0.9662



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

Analysis No: CP160402
Cust No: 18300-27915

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: HARRINGTON #1; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: PC
Cust. Str. No.: API 3003906795
70079-01

Source: BRADENHEAD
Pressure: 20 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/22/2016
Sampled By: LEON S.
Foreman/Engr.: KAYLIE PLUNKETT

Remarks: W/O 9256086
PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	90.112	9.9170	0.00	0.8716
CO2	0.484	0.0830	0.00	0.0074
Methane	7.492	1.2710	75.67	0.0415
Ethane	0.257	0.0690	4.55	0.0027
Propane	0.105	0.0290	2.64	0.0016
Iso-Butane	0.000	0.0000	0.00	0.0000
N-Butane	0.069	0.0220	2.25	0.0014
I-Pentane	0.299	0.1090	11.96	0.0074
N-Pentane	0.036	0.0130	1.44	0.0009
Hexane Plus	1.146	0.5110	60.41	0.0379
Total	100.000	12.0240	158.92	0.9723

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0006
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 159.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 156.6
REAL SPECIFIC GRAVITY: 0.9725

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

DRY BTU @ 14.650: 158.5
DRY BTU @ 14.696: 159.0
DRY BTU @ 14.730: 159.4
DRY BTU @ 15.025: 162.6

CYLINDER #: 4150
CYLINDER PRESSURE: PSIG
DATE RUN: 6/27/16 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HARRINGTON #1; BHD
Stn. No.: API 3003906795
Mtr. No.: 70079-01

BRADENHEAD
PC

06/28/2016
18300-27915

Smpl Date: 06/22/2016
Test Date: 06/27/2016
Run No: CP160402

Nitrogen: 90.112
CO2: 0.484
Methane: 7.492
Ethane: 0.257
Propane: 0.105
I-Butane: 0.000
N-Butane: 0.069
I-Pentane: 0.299
N-Pentane: 0.036
Hexane+: 1.146

BTU: 159.4
GPM: 12.0240
SPG: 0.9725



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

Analysis No: CP160403
Cust No: 18300-27920

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: HARRINGTON #1; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: PC
Cust. Str. No.: API 3003906795
70079-01

Source: CASING
Pressure: 15 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/22/2016
Sampled By: LEON S.
Foreman/Engr.: KAYLIE PLUNKETT

Remarks: W/O 9256086
PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.333	0.0370	0.00	0.0032
CO2	0.280	0.0480	0.00	0.0043
Methane	91.154	15.4900	920.66	0.5049
Ethane	4.940	1.3240	87.42	0.0513
Propane	1.800	0.4970	45.29	0.0274
Iso-Butane	0.486	0.1590	15.80	0.0098
N-Butane	0.368	0.1160	12.01	0.0074
I-Pentane	0.192	0.0700	7.68	0.0048
N-Pentane	0.123	0.0450	4.93	0.0031
Hexane Plus	0.324	0.1450	17.08	0.0107
Total	100.000	17.9310	1110.87	0.6268

* @ 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): 1116.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1096.9
REAL SPECIFIC GRAVITY: 0.6282

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

DRY BTU @ 14.650: 1110.2
DRY BTU @ 14.696: 1113.7
DRY BTU @ 14.730: 1116.3
DRY BTU @ 15.025: 1138.7

CYLINDER #: 4234
CYLINDER PRESSURE: PSIG
DATE RUN: 6/27/16 2:14 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HARRINGTON #1; CSG
Stn. No.: API 3003906795
Mtr. No.: 70079-01

CASING
PC

06/28/2016
18300-27920

Smpl Date: 06/22/2016
Test Date: 06/27/2016
Run No: CP160403

Nitrogen: 0.333
CO2: 0.280
Methane: 91.154
Ethane: 4.940
Propane: 1.800
I-Butane: 0.486
N-Butane: 0.368
I-Pentane: 0.192
N-Pentane: 0.123
Hexane+: 0.324

BTU: 1116.3
GPM: 17.9310
SPG: 0.6282