



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

Analysis No: CP160420
Cust No: 18300-27935

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: QUINTANA MESA #1; BHD
County/State: RIO ARRIBA NM
Location:
Field:
Formation: DAKOTA
Cust. Str. No.: API 3003920129
75973

Source: BRADENHEAD
Pressure: 22 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 06/22/2016
Sampled By: CORY SCHULTZ
Foreman/Engr.: BERKLEY BROWN

OIL CONS. DIV DIST. 3

Remarks: TAKEN WHILE WELL WAS IN OFF CYCLE
W/O 9243806

AUG 31 2016

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.160	0.0180	0.00	0.0015
CO2	3.976	0.6800	0.00	0.0604
Methane	95.330	16.1910	962.83	0.5280
Ethane	0.359	0.0960	6.35	0.0037
Propane	0.075	0.0210	1.89	0.0011
Iso-Butane	0.018	0.0060	0.59	0.0004
N-Butane	0.017	0.0050	0.55	0.0003
I-Pentane	0.007	0.0030	0.28	0.0002
N-Pentane	0.004	0.0010	0.16	0.0001
Hexane Plus	0.054	0.0240	2.85	0.0018
Total	100.000	17.0450	975.50	0.5976

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 979.8

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 962.8

REAL SPECIFIC GRAVITY: 0.5986

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

DRY BTU @ 14.650: 974.5

DRY BTU @ 14.696: 977.5

DRY BTU @ 14.730: 979.8

DRY BTU @ 15.025: 999.4

CYLINDER #: 6082

CYLINDER PRESSURE: 21 PSIG

DATE RUN: 6/27/16 12:00 AM

ANALYSIS RUN BY: PATRICIA KING

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: QUINTANA MESA #1; BHD
Stn. No.: API 3003920129
Mtr. No.: 75973

BRADENHEAD
DAKOTA

07/05/2016
18300-27935

Smpl Date: 06/22/2016
Test Date: 06/27/2016
Run No: CP160420
Nitrogen: 0.160
CO2: 3.976
Methane: 95.330
Ethane: 0.359
Propane: 0.075
I-Butane: 0.018
N-Butane: 0.017
I-Pentane: 0.007
N-Pentane: 0.004
Hexane+: 0.054
BTU: 979.8
GPM: 17.0450
SPG: 0.5986



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

Analysis No: CP160421
Cust No: 18300-19445

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: QUINTANA MESA #1; CSG
County/State: RIO ARRIBA NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: API 3003920129
75973

Source: CASING
Pressure: 105 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 06/22/2016
Sampled By: CORY SCHULTZ
Foreman/Engr.: BERKLEY BROWN

Remarks: TAKEN WHILE WELL WAS IN OFF CYCLE
W/O 9243806

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.098	0.0110	0.00	0.0009
CO2	4.542	0.7770	0.00	0.0690
Methane	95.164	16.1630	961.16	0.5271
Ethane	0.161	0.0430	2.85	0.0017
Propane	0.010	0.0030	0.25	0.0002
Iso-Butane	0.005	0.0020	0.16	0.0001
N-Butane	0.005	0.0020	0.16	0.0001
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.009	0.0030	0.36	0.0002
Hexane Plus	0.006	0.0030	0.32	0.0002
Total	100.000	17.0070	965.26	0.5995

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 969.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 952.6
REAL SPECIFIC GRAVITY: 0.6005

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

DRY BTU @ 14.650: 964.2
DRY BTU @ 14.696: 967.3
DRY BTU @ 14.730: 969.5
DRY BTU @ 15.025: 988.9

CYLINDER #: 5002
CYLINDER PRESSURE: 81 PSIG
DATE RUN: 6/27/16 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: QUINTANA MESA #1; CSG
Stn. No.: API 3003920129
Mtr. No.: 75973

CASING
DAKOTA

07/05/2016
18300-19445

Smpl Date:	06/22/2016	09/02/2010
Test Date:	06/27/2016	09/03/2010
Run No:	CP160421	CP100668
Nitrogen:	0.098	0.088
CO2:	4.542	6.372
Methane:	95.164	93.378
Ethane:	0.161	0.149
Propane:	0.010	0.009
I-Butane:	0.005	0.002
N-Butane:	0.005	0.001
I-Pentane:	0.000	0.000
N-Pentane:	0.009	0.000
Hexane+:	0.006	0.001
BTU:	969.5	950.4
GPM:	17.0070	17.0000
SPG:	0.6005	0.6176



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

Analysis No: CP160422
Cust No: 18300-19450

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: QUINTANA MESA #1; INT
County/State: RIO ARriba NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: API 3003920129
75973

Source: INTERMEDIATE
Pressure: 44 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/22/2016
Sampled By: CORY SCHULTZ
Foreman/Engr.: BERKLEY BROWN

Remarks: TAKEN WHILE WELL WAS IN OFF CYCLE
W/O 9243806

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.098	0.0110	0.00	0.0009
CO2	4.011	0.6860	0.00	0.0609
Methane	95.368	16.1980	963.22	0.5282
Ethane	0.360	0.0960	6.37	0.0037
Propane	0.075	0.0210	1.89	0.0011
Iso-Butane	0.018	0.0060	0.59	0.0004
N-Butane	0.017	0.0050	0.55	0.0003
I-Pentane	0.007	0.0030	0.28	0.0002
N-Pentane	0.005	0.0020	0.20	0.0001
Hexane Plus	0.041	0.0180	2.16	0.0014
Total	100.000	17.0460	975.26	0.5974

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 979.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 962.6
REAL SPECIFIC GRAVITY: 0.5984

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

DRY BTU @ 14.650: 974.3
DRY BTU @ 14.696: 977.3
DRY BTU @ 14.730: 979.6
DRY BTU @ 15.025: 999.2

CYLINDER #: 6096
CYLINDER PRESSURE: 40 PSIG
DATE RUN: 6/27/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: QUINTANA MESA #1; INT
Stn. No.: API 3003920129
Mtr. No.: 75973

INTERMEDIATE
DAKOTA

07/05/2016
18300-19450

Smpl Date:	06/22/2016	09/02/2010
Test Date:	06/27/2016	09/03/2010
Run No:	CP160422	CP100669
Nitrogen:	0.098	0.081
CO2:	4.011	1.017
Methane:	95.368	93.260
Ethane:	0.360	4.119
Propane:	0.075	0.958
I-Butane:	0.018	0.168
N-Butane:	0.017	0.143
I-Pentane:	0.007	0.059
N-Pentane:	0.005	0.030
Hexane+:	0.041	0.165
BTU:	979.6	1066.3
GPM:	17.0460	17.5950
SPG:	0.5984	0.6055