



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

Analysis No: CP160395
Cust No: 18300-27880

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CARSON #1; BHD
County/State: RIO ARriba NM
Location:
Field:
Formation: MV/DK
Cust. Stn. No.: API 3003920267

Source: BRADENHEAD
Pressure: 32 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/16/2016
Sampled By: BRIAN CAIN
Foreman/Engr.: BERKLEY BROWN

OIL CONS. DIV DIST. 3

AUG 31 2016

Remarks: W/O #9275492

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.036	0.1140	0.00	0.0100
CO2	0.018	0.0030	0.00	0.0003
Methane	94.706	16.0870	956.53	0.5246
Ethane	3.818	1.0230	67.57	0.0396
Propane	0.230	0.0630	5.79	0.0035
Iso-Butane	0.077	0.0250	2.50	0.0015
N-Butane	0.027	0.0090	0.88	0.0005
I-Pentane	0.018	0.0070	0.72	0.0004
N-Pentane	0.005	0.0020	0.20	0.0001
Hexane Plus	0.065	0.0290	3.43	0.0022
Total	100.000	17.3620	1037.62	0.5828

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1042.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1024.2
REAL SPECIFIC GRAVITY: 0.5839

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

DRY BTU @ 14.650: 1036.6
DRY BTU @ 14.696: 1039.9
DRY BTU @ 14.730: 1042.3
DRY BTU @ 15.025: 1063.2

CYLINDER #: 4036
CYLINDER PRESSURE: 30 PSIG
DATE RUN: 6/20/16 11:30 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: CARSON #1; BHD
Stn. No.: API 3003920267
Mtr. No.:

BRADENHEAD
MV/DK

06/21/2016
18300-27880

Smpl Date: 06/16/2016
Test Date: 06/20/2016
Run No: CP160395

Nitrogen: 1.036
CO2: 0.018
Methane: 94.706
Ethane: 3.818
Propane: 0.230
I-Butane: 0.077
N-Butane: 0.027
I-Pentane: 0.018
N-Pentane: 0.005
Hexane+: 0.065

BTU: 1042.3
GPM: 17.3620
SPG: 0.5839



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

Analysis No: CP160396
Cust No: 18300-27885

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CARSON #1; CSG
County/State: RIO ARRIBA NM
Location:
Field:
Formation: MV/DK
Cust. Stn. No.: API 3003920267

Source: CASING
Pressure: 190 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 06/16/2016
Sampled By: BRIAN CAIN
Foreman/Engr.: BERKLEY BROWN

Remarks: W/O #9275492

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.135	0.0150	0.00	0.0013
CO2	1.254	0.2150	0.00	0.0191
Methane	86.374	14.6800	872.38	0.4784
Ethane	8.578	2.3000	151.80	0.0891
Propane	2.434	0.6720	61.24	0.0371
Iso-Butane	0.339	0.1110	11.02	0.0068
N-Butane	0.422	0.1330	13.77	0.0085
I-Pentane	0.144	0.0530	5.76	0.0036
N-Pentane	0.084	0.0310	3.37	0.0021
Hexane Plus	0.236	0.1060	12.44	0.0078
Total	100.000	18.3160	1131.78	0.6537

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1137.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1117.8
REAL SPECIFIC GRAVITY: 0.6552

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

DRY BTU @ 14.650: 1131.4
DRY BTU @ 14.696: 1135.0
DRY BTU @ 14.730: 1137.6
DRY BTU @ 15.025: 1160.4

CYLINDER #: 6019
CYLINDER PRESSURE: 189 PSIG
DATE RUN: 6/17/16 11:31 AM
ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: CARSON #1; CSG
Stn. No.: API 3003920267
Mtr. No.:

CASING
MV/DK

06/21/2016
18300-27885

Smpl Date: 06/16/2016
Test Date: 06/17/2016
Run No: CP160396
Nitrogen: 0.135
CO2: 1.254
Methane: 86.374
Ethane: 8.578
Propane: 2.434
I-Butane: 0.339
N-Butane: 0.422
I-Pentane: 0.144
N-Pentane: 0.084
Hexane+: 0.236
BTU: 1137.6
GPM: 18.3160
SPG: 0.6552