



API #3003922706

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160151
Cust No: 18300-27390**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #80; CSG
County/State: RIO ARriba NM
Location:
Field:
Formation: DK/MV
Cust. Str. No.:Source: CASING
Pressure: 10 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 04/20/2016
Sampled By: BRIAN CAIN
Foreman/Engr.:OIL CONS. DIV DIST. 3
MAY 20 2016

Remarks: W/O# 9278018

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.525	0.0580	0.00	0.0051
CO2	1.658	0.2840	0.00	0.0252
Methane	94.956	16.1310	959.06	0.5260
Ethane	1.649	0.4420	29.18	0.0171
Propane	0.602	0.1660	15.15	0.0092
Iso-Butane	0.115	0.0380	3.74	0.0023
N-Butane	0.141	0.0450	4.60	0.0028
I-Pentane	0.044	0.0160	1.76	0.0011
N-Pentane	0.036	0.0130	1.44	0.0009
Hexane Plus	0.274	0.1220	14.44	0.0091
Total	100.000	17.3150	1029.37	0.5987

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1034.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1016.1
REAL SPECIFIC GRAVITY: 0.5999GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1028.5
DRY BTU @ 14.696: 1031.7
DRY BTU @ 14.730: 1034.1
DRY BTU @ 15.025: 1054.8CYLINDER #: 4006
CYLINDER PRESSURE: 61 PSIG
DATE RUN: 4/21/16 12:00 AM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #80; CSG
Stn. No.:
Mtr. No.:

CASING
DK/MV

04/22/2016
18300-27390

Smpl Date: 04/20/2016
Test Date: 04/21/2016
Run No: CP160151

Nitrogen: 0.525
CO2: 1.658
Methane: 94.956
Ethane: 1.649
Propane: 0.602
I-Butane: 0.115
N-Butane: 0.141
I-Pentane: 0.044
N-Pentane: 0.036
Hexane+: 0.274

BTU: 1034.1
GPM: 17.3150
SPG: 0.5999



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

Analysis No: CP160153
Cust No: 18300-27400

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #80; INT
County/State: RIO ARriba NM
Location:
Field:
Formation: DK/MV
Cust. Str. No.:

Source: INTERMEDIATE
Pressure: 10 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 04/20/2016
Sampled By: BRIAN CAIN
Foreman/Engr.:

OIL CONS. DIV DIST. 3

Remarks: W/O# 9278018

MAY 20 2016

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.257	0.0280	0.00	0.0025
CO2	0.005	0.0010	0.00	0.0001
Methane	89.452	15.2050	903.47	0.4955
Ethane	5.489	1.4720	97.14	0.0570
Propane	2.663	0.7360	67.00	0.0405
Iso-Butane	0.506	0.1660	16.45	0.0102
N-Butane	0.665	0.2100	21.69	0.0133
I-Pentane	0.210	0.0770	8.40	0.0052
N-Pentane	0.167	0.0610	6.69	0.0042
Hexane Plus	0.586	0.2620	30.89	0.0194
Total	100.000	18.2180	1151.74	0.6479

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1157.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1137.5
REAL SPECIFIC GRAVITY: 0.6494

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

DRY BTU @ 14.650: 1151.3
DRY BTU @ 14.696: 1154.9
DRY BTU @ 14.730: 1157.6
DRY BTU @ 15.025: 1180.8

CYLINDER #: 6113
CYLINDER PRESSURE: 30 PSIG
DATE RUN: 4/21/16 12:00 AM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #80; INT
Stn. No.:
Mtr. No.:

INTERMEDIATE
DK/MV

04/22/2016
18300-27400

Smpl Date: 04/20/2016
Test Date: 04/21/2016
Run No: CP160153
Nitrogen: 0.257
CO2: 0.005
Methane: 89.452
Ethane: 5.489
Propane: 2.663
I-Butane: 0.506
N-Butane: 0.665
I-Pentane: 0.210
N-Pentane: 0.167
Hexane+: 0.586
BTU: 1157.6
GPM: 18.2180
SPG: 0.6494



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

Analysis No: CP160152
Cust No: 18300-27395

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #80; BHD
County/State: RIO ARRIBA NM
Location:
Field:
Formation: DK/MV
Cust. Str. No.:

Source: BRADENHEAD
Pressure: 10 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 04/20/2016
Sampled By: BRIAN CAIN
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 20 2016

Remarks: W/O# 9278018

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.240	0.1370	0.00	0.0120
CO2	0.015	0.0030	0.00	0.0002
Methane	94.846	16.1090	957.94	0.5254
Ethane	3.693	0.9890	65.36	0.0383
Propane	0.089	0.0250	2.24	0.0014
Iso-Butane	0.067	0.0220	2.18	0.0013
N-Butane	0.006	0.0020	0.20	0.0001
I-Pentane	0.009	0.0030	0.36	0.0002
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.035	0.0160	1.84	0.0012
Total	100.000	17.3060	1030.12	0.5801

* @ 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): 1034.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1016.7
REAL SPECIFIC GRAVITY: 0.5811

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

DRY BTU @ 14.650: 1029.1
DRY BTU @ 14.696: 1032.3
DRY BTU @ 14.730: 1034.7
DRY BTU @ 15.025: 1055.4

CYLINDER #: 6215
CYLINDER PRESSURE: 15 PSIG
DATE RUN: 4/21/16 12:00 AM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #80; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
DK/MV

04/22/2016
18300-27395

Smpl Date: 04/20/2016
Test Date: 04/21/2016
Run No: CP160152
Nitrogen: 1.240
CO2: 0.015
Methane: 94.846
Ethane: 3.693
Propane: 0.089
I-Butane: 0.067
N-Butane: 0.006
I-Pentane: 0.009
N-Pentane: 0.000
Hexane+: 0.035
BTU: 1034.7
GPM: 17.3060
SPG: 0.5811