



API #3003923157

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160154
Cust No: 18300-27405**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #87; CSG
County/State: RIO ARRIBA NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.:Source: CASING
Pressure: 6 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# 9274764

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.100	0.0110	0.00	0.0010
CO2	2.926	0.5000	0.00	0.0445
Methane	96.677	16.4200	976.44	0.5355
Ethane	0.268	0.0720	4.74	0.0028
Propane	0.016	0.0040	0.40	0.0002
Iso-Butane	0.003	0.0010	0.10	0.0001
N-Butane	0.002	0.0010	0.07	0.0000
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.008	0.0040	0.42	0.0003
Total	100.000	17.0130	982.17	0.5843

* @ 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): 986.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 969.3
REAL SPECIFIC GRAVITY: 0.5853GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 981.1
DRY BTU @ 14.696: 984.2
DRY BTU @ 14.730: 986.5
DRY BTU @ 15.025: 1006.3CYLINDER #: 6036
CYLINDER PRESSURE: 61 PSIG
DATE RUN: 4/21/16 12:00 AM
ANALYSIS RUN BY: JENNIFER DEAN

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #87; CSG
Stn. No.:
Mtr. No.:

CASING
DAKOTA

04/22/2016
18300-27405

Smpl Date: 04/20/2016
Test Date: 04/21/2016
Run No: CP160154
Nitrogen: 0.100
CO2: 2.926
Methane: 96.677
Ethane: 0.268
Propane: 0.016
I-Butane: 0.003
N-Butane: 0.002
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 0.008
BTU: 986.5
GPM: 17.0130
SPG: 0.5853



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

Analysis No: CP160155
Cust No: 18300-27410

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #87; INT
County/State: RIO ARRIBA NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.:

OIL CONS. DIV DIST. 3
MAY 20 2016

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

Remarks: PRESSURED WITH HELIUM TO 30#
W/O# 9274764

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.488	0.0540	0.00	0.0047
CO2	0.032	0.0050	0.00	0.0005
Methane	96.576	16.4030	975.42	0.5349
Ethane	2.778	0.7440	49.16	0.0288
Propane	0.011	0.0030	0.28	0.0002
Iso-Butane	0.030	0.0100	0.98	0.0006
N-Butane	0.006	0.0020	0.20	0.0001
I-Pentane	0.031	0.0110	1.24	0.0008
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.048	0.0210	2.53	0.0016
Total	100.000	17.2530	1029.80	0.5722

* @ 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): 1034.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1016.4
REAL SPECIFIC GRAVITY: 0.5732

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

DRY BTU @ 14.650: 1028.8
DRY BTU @ 14.696: 1032.0
DRY BTU @ 14.730: 1034.4
DRY BTU @ 15.025: 1055.1

CYLINDER #: 4142
CYLINDER PRESSURE: PSIG
DATE RUN: 4/21/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #87; INT
Stn. No.:
Mtr. No.:

INTERMEDIATE
DAKOTA

04/22/2016
18300-27410

Smpl Date: 04/20/2016
Test Date: 04/21/2016
Run No: CP160155
Nitrogen: 0.488
CO2: 0.032
Methane: 96.576
Ethane: 2.778
Propane: 0.011
I-Butane: 0.030
N-Butane: 0.006
I-Pentane: 0.031
N-Pentane: 0.000
Hexane+: 0.048
BTU: 1034.4
GPM: 17.2530
SPG: 0.5732



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

Analysis No: CP160156
Cust No: 18300-27415

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #87; BHD
County/State: RIO ARRIBA NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. 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# 9274764

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.531	0.0590	0.00	0.0051
CO2	0.003	0.0010	0.00	0.0000
Methane	96.535	16.3960	975.00	0.5347
Ethane	2.875	0.7700	50.88	0.0298
Propane	0.012	0.0030	0.30	0.0002
Iso-Butane	0.006	0.0020	0.20	0.0001
N-Butane	0.003	0.0010	0.10	0.0001
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.035	0.0160	1.84	0.0012
Total	100.000	17.2480	1028.32	0.5713

* @ 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): 1032.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1014.9
REAL SPECIFIC GRAVITY: 0.5722

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

DRY BTU @ 14.650: 1027.3
DRY BTU @ 14.696: 1030.5
DRY BTU @ 14.730: 1032.9
DRY BTU @ 15.025: 1053.6

CYLINDER #: 4228
CYLINDER PRESSURE: 32 PSIG
DATE RUN: 4/21/16 12:00 AM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #87; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
DAKOTA

04/22/2016
18300-27415

Smpl Date: 04/20/2016
Test Date: 04/21/2016
Run No: CP160156

Nitrogen: 0.531
CO2: 0.003
Methane: 96.535
Ethane: 2.875
Propane: 0.012
I-Butane: 0.006
N-Butane: 0.003
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 0.035

BTU: 1032.9
GPM: 17.2480
SPG: 0.5722