



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

Analysis No: CP160754
Cust No: 18300-28140

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 30-5 #75; BHD**
County/State: RIO ARriba NM
Location: L21-30N-05W
Field:
Formation: MV/DK
Cust. Stn. No.: 85801
300392270800

OIL CONS. DIV DIST. 3

DEC 15 2016

Source: BRADENHEAD
Pressure: 49 PSIG
Sample Temp: 50 DEG. F
Well Flowing: Y
Date Sampled: 12/02/2016
Sampled By: BRETT ALEXANDER
Foreman/Engr.: BERKELEY BROWN

Remarks: WO# 9273167

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.194	0.0210	0.00	0.0019
CO2	0.010	0.0020	0.00	0.0002
Methane	93.819	15.9380	947.57	0.5197
Ethane	5.491	1.4720	97.17	0.0570
Propane	0.332	0.0920	8.35	0.0051
Iso-Butane	0.076	0.0250	2.47	0.0015
N-Butane	0.022	0.0070	0.72	0.0004
I-Pentane	0.018	0.0070	0.72	0.0004
N-Pentane	0.004	0.0010	0.16	0.0001
Hexane Plus	0.034	0.0150	1.79	0.0011
Total	100.000	17.5800	1058.96	0.5874

* @ 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): 1063.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1045.4
REAL SPECIFIC GRAVITY: 0.5885

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

DRY BTU @ 14.650: 1058.1
DRY BTU @ 14.696: 1061.4
DRY BTU @ 14.730: 1063.9
DRY BTU @ 15.025: 1085.2

CYLINDER #: 6179
CYLINDER PRESSURE: 49 PSIG
DATE RUN: 12/7/16 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME

6



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #75; BHD
Stn. No.: 85801
Mtr. No.: 300392270800

BRADENHEAD
MV/DK

12/12/2016
18300-28140

Smpl Date: 12/02/2016
Test Date: 12/07/2016
Run No: CP160754

Nitrogen: 0.194
CO2: 0.010
Methane: 93.819
Ethane: 5.491
Propane: 0.332
I-Butane: 0.076
N-Butane: 0.022
I-Pentane: 0.018
N-Pentane: 0.004
Hexane+: 0.034

BTU: 1063.9
GPM: 17.5800
SPG: 0.5885



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

Analysis No: CP160755
Cust No: 18300-28145

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 30-5 #75; CSG**
County/State: RIO ARIBA NM
Location: L21-30N-05W
Field:
Formation: MV/DK
Cust. Stn. No.: 85801
300392270800

Source: CASING
Pressure: 219 PSIG
Sample Temp: 50 DEG. F
Well Flowing: Y
Date Sampled: 12/02/2016
Sampled By: BRETT ALEXANDER
Foreman/Engr.: BERKELEY BROWN

Remarks: WO# 9273167

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	83.783	9.2200	0.00	0.8103
CO2	0.267	0.0460	0.00	0.0041
Methane	15.867	2.6910	160.26	0.0879
Ethane	0.047	0.0130	0.83	0.0005
Propane	0.007	0.0020	0.18	0.0001
Iso-Butane	0.007	0.0020	0.23	0.0001
N-Butane	0.002	0.0010	0.07	0.0000
I-Pentane	0.003	0.0010	0.12	0.0001
N-Pentane	0.011	0.0040	0.44	0.0003
Hexane Plus	0.006	0.0030	0.32	0.0002
Total	100.000	11.9830	162.43	0.9036

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0005
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 162.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 160.1
REAL SPECIFIC GRAVITY: 0.9037

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

DRY BTU @ 14.650: 162.0
DRY BTU @ 14.696: 162.5
DRY BTU @ 14.730: 162.9
DRY BTU @ 15.025: 166.2

CYLINDER #: 7040
CYLINDER PRESSURE: 290 PSIG
DATE RUN: 12/7/16 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #75; CSG
Stn. No.: 85801
Mtr. No.: 300392270800

CASING
MV/DK

12/12/2016
18300-28145

Smpl Date: 12/02/2016
Test Date: 12/07/2016
Run No: CP160755

Nitrogen: 83.783
CO2: 0.267
Methane: 15.867
Ethane: 0.047
Propane: 0.007
I-Butane: 0.007
N-Butane: 0.002
I-Pentane: 0.003
N-Pentane: 0.011
Hexane+: 0.006

BTU: 162.9
GPM: 11.9830
SPG: 0.9037



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

Analysis No: CP160756
Cust No: 18300-28150

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #75; INTRM
County/State: RIO ARriba NM
Location: L21-30N-05W
Field:
Formation: MV/DK
Cust. Stn. No.: 85801
300392270800

Source: INTERMEDIATE
Pressure: 5 PSIG
Sample Temp: 50 DEG. F
Well Flowing: Y
Date Sampled: 12/02/2016
Sampled By: BRETT ALEXANDER
Foreman/Engr.: BERKELEY BROWN

Remarks: PRESSURED WITH HELIUM TO 30 LBS.
WO# 9273167

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	14.214	1.5670	0.00	0.1375
CO2	0.201	0.0340	0.00	0.0031
Methane	78.808	13.3850	795.96	0.4365
Ethane	3.729	0.9990	65.99	0.0387
Propane	1.746	0.4820	43.93	0.0266
Iso-Butane	0.333	0.1090	10.83	0.0067
N-Butane	0.447	0.1410	14.58	0.0090
I-Pentane	0.144	0.0530	5.76	0.0036
N-Pentane	0.114	0.0410	4.57	0.0028
Hexane Plus	0.264	0.1180	13.92	0.0087
Total	100.000	16.9290	955.54	0.6732

* @ 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): 959.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 943.1
REAL SPECIFIC GRAVITY: 0.6743

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

DRY BTU @ 14.650: 954.6
DRY BTU @ 14.696: 957.6
DRY BTU @ 14.730: 959.8
DRY BTU @ 15.025: 979.0

CYLINDER #: 5015
CYLINDER PRESSURE: PSIG
DATE RUN: 12/7/16 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #75; INTRM
Stn. No.: 85801
Mtr. No.: 300392270800

INTERMEDIATE
MV/DK

12/12/2016
18300-28150

Smpl Date: 12/02/2016
Test Date: 12/07/2016
Run No: CP160756

Nitrogen: 14.214
CO2: 0.201
Methane: 78.808
Ethane: 3.729
Propane: 1.746
I-Butane: 0.333
N-Butane: 0.447
I-Pentane: 0.144
N-Pentane: 0.114
Hexane+: 0.264

BTU: 959.8
GPM: 16.9290
SPG: 0.6743