



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

Analysis No: CP140666
Cust No: 18300-26385

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #75; BHD 30-039-22708
County/State: RIO ARRIBA NM
Location: L21-30N-05W
Field:
Formation: DAKOTA
Cust. Stn. No.: 85801015
AM00013428NO

Source: BRADENHEAD
Pressure: 65 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 07/30/2014
Sampled By: BRIAN CAIN
Foreman/Engr.: DIANA GUO

OIL CONS. DIV DIST. 3
AUG 11 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.194	0.0210	0.00	0.0019
CO2	0.013	0.0020	0.00	0.0002
Methane	93.750	15.9260	946.88	0.5193
Ethane	5.536	1.4840	97.97	0.0575
Propane	0.332	0.0920	8.35	0.0051
Iso-Butane	0.075	0.0250	2.44	0.0015
N-Butane	0.018	0.0060	0.59	0.0004
I-Pentane	0.023	0.0080	0.92	0.0006
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.059	0.0260	3.11	0.0020
Total	100.000	17.5900	1060.26	0.5883

* @ 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): 1065.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1046.7
REAL SPECIFIC GRAVITY: 0.5894

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

DRY BTU @ 14.650: 1059.4
DRY BTU @ 14.696: 1062.7
DRY BTU @ 14.730: 1065.2
DRY BTU @ 15.025: 1086.5

CYLINDER #: 4145
CYLINDER PRESSURE: 65 PSIG
DATE RUN: 8/1/14 2:24 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #75; BHD
Stn. No.: 85801015
Mtr. No.: AM00013428NO

BRADENHEAD
DAKOTA

08/05/2014
18300-26385

Smpl Date: 07/30/2014
Test Date: 08/01/2014
Run No: CP140666

Nitrogen: 0.194
CO2: 0.013
Methane: 93.750
Ethane: 5.536
Propane: 0.332
I-Butane: 0.075
N-Butane: 0.018
I-Pentane: 0.023
N-Pentane: 0.000
Hexane+: 0.059

BTU: 1065.2
GPM: 17.5900
SPG: 0.5894



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

Analysis No: CP140668
Cust No: 18300-26395

Well/Lease Information

Customer Name:	CONOCO PHILLIPS COMPANY	Source:	INTERMEDIATE
Well Name:	SAN JUAN 30-5 #75; INT 30-039-22708	Pressure:	100 PSIG
County/State:	RIO ARRIBA NM	Sample Temp:	DEG. F
Location:	L21--30N-05W	Well Flowing:	Y
Field:		Date Sampled:	07/30/2014
Formation:	DAKOTA	Sampled By:	BRIAN CAIN
Cust. Stn. No.:	85801015	Foreman/Engr.:	DIANA GUO
	AM00013428NO		

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.170	0.0190	0.00	0.0016
CO2	0.008	0.0010	0.00	0.0001
Methane	90.526	15.3840	914.31	0.5014
Ethane	5.180	1.3890	91.67	0.0538
Propane	2.529	0.6980	63.63	0.0385
Iso-Butane	0.437	0.1430	14.21	0.0088
N-Butane	0.612	0.1930	19.97	0.0123
I-Pentane	0.180	0.0660	7.20	0.0045
N-Pentane	0.136	0.0490	5.45	0.0034
Hexane Plus	0.222	0.0990	11.70	0.0073
Total	100.000	18.0410	1128.15	0.6317

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0027
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1133.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1114.1
REAL SPECIFIC GRAVITY:	0.6332

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

DRY BTU @ 14.650:	1127.6
DRY BTU @ 14.696:	1131.2
DRY BTU @ 14.730:	1133.8
DRY BTU @ 15.025:	1156.5

OIL CONS. DIV DIST. 3
AUG 11 2014

CYLINDER #:	4223
CYLINDER PRESSURE:	95 PSIG
DATE RUN:	8/1/14 2:28 PM
ANALYSIS RUN BY:	DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #75; INT
Stn. No.: 85801015
Mtr. No.: AM00013428NO

INTERMEDIATE
DAKOTA

08/05/2014
18300-26395

Smpl Date: 07/30/2014
Test Date: 08/01/2014
Run No: CP140668

Nitrogen: 0.170
CO2: 0.008
Methane: 90.526
Ethane: 5.180
Propane: 2.529
I-Butane: 0.437
N-Butane: 0.612
I-Pentane: 0.180
N-Pentane: 0.136
Hexane+: 0.222

BTU: 1133.8
GPM: 18.0410
SPG: 0.6332



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

Analysis No: CP140667
Cust No: 18300-26390

Well/Lease Information

Customer Name:	CONOCO PHILLIPS COMPANY	Source:	CASING
Well Name:	SAN JUAN 30-5 #75; CSG 30-039-22708 -	Pressure:	151 PSIG
County/State:	RIO ARRIBA NM	Sample Temp:	DEG. F
Location:	L21-30N-05W	Well Flowing:	Y
Field:		Date Sampled:	07/30/2014
Formation:	DAKOTA	Sampled By:	BRIAN CAIN
Cust. Stn. No.:	85801015	Foreman/Engr.:	DIANA GUO
	AM00013428NO		

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.105	0.0120	0.00	0.0010
CO2	2.690	0.4600	0.00	0.0409
Methane	96.741	16.4310	977.08	0.5358
Ethane	0.366	0.0980	6.48	0.0038
Propane	0.033	0.0090	0.83	0.0005
Iso-Butane	0.026	0.0090	0.85	0.0005
N-Butane	0.010	0.0030	0.33	0.0002
I-Pentane	0.010	0.0040	0.40	0.0002
N-Pentane	0.003	0.0010	0.12	0.0001
Hexane Plus	0.016	0.0070	0.84	0.0005
Total	100.000	17.0340	986.93	0.5836

* @ 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): 991.3

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 974.1

REAL SPECIFIC GRAVITY: 0.5846

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

DRY BTU @ 14.650: 985.9

DRY BTU @ 14.696: 989.0

DRY BTU @ 14.730: 991.3

DRY BTU @ 15.025: 1011.2

OIL CONS. DIV DIST. 3
AUG 11 2014

CYLINDER #: 6245

CYLINDER PRESSURE: 152 PSIG

DATE RUN: 8/1/14 2:26 PM

ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #75; CSG
Stn. No.: 85801015
Mtr. No.: AM00013428NO

CASING
DAKOTA

08/05/2014
18300-26390

Smpl Date: 07/30/2014
Test Date: 08/01/2014
Run No: CP140667
Nitrogen: 0.105
CO2: 2.690
Methane: 96.741
Ethane: 0.366
Propane: 0.033
I-Butane: 0.026
N-Butane: 0.010
I-Pentane: 0.010
N-Pentane: 0.003
Hexane+: 0.016
BTU: 991.3
GPM: 17.0340
SPG: 0.5846