



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

Analysis No: CP170089
Cust No: 18300-28225

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 29-7 #190; BHD**
County/State: RIO ARRIBA NM
Location:
Field:
Formation: BLANCO PC
Cust. Stn. No.: 98783
API 3003927333

Source: **BRADENHEAD**
Pressure: 4 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/22/2017
Sampled By: MARIO VILLA
Foreman/Engr.: RICHARD P.

OIL CONS. DIV DIST. 3

APR 0 5 2017

Remarks: PRESSURED WITH HELIUM TO 30LBS. W/O # 21972292

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.238	0.0260	0.00	0.0023
CO2	2.714	0.4640	0.00	0.0412
Methane	89.977	15.2900	908.77	0.4984
Ethane	4.226	1.1330	74.79	0.0439
Propane	1.906	0.5260	47.96	0.0290
Iso-Butane	0.331	0.1090	10.76	0.0066
N-Butane	0.295	0.0930	9.62	0.0059
I-Pentane	0.126	0.0460	5.04	0.0031
N-Pentane	0.073	0.0270	2.93	0.0018
Hexane Plus	0.114	0.0510	6.01	0.0038
Total	100.000	17.7650	1065.88	0.6361

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1071.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1052.4
REAL SPECIFIC GRAVITY: 0.6374

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

DRY BTU @ 14.650: 1065.2
DRY BTU @ 14.696: 1068.5
DRY BTU @ 14.730: 1071.0
DRY BTU @ 15.025: 1092.4

CYLINDER #: 104
CYLINDER PRESSURE: PSIG
DATE RUN: **2/24/17** 8:23 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-7 #190; BHD
Stn. No.: 98783
Mtr. No.: API 3003927333

BRADENHEAD
BLANCO PC

02/27/2017
18300-28225

Smpl Date: 02/22/2017
Test Date: 02/24/2017
Run No: CP170089

Nitrogen: 0.238
CO2: 2.714
Methane: 89.977
Ethane: 4.226
Propane: 1.906
I-Butane: 0.331
N-Butane: 0.295
I-Pentane: 0.126
N-Pentane: 0.073
Hexane+: 0.114

BTU: 1071.0
GPM: 17.7650
SPG: 0.6374



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

Analysis No: CP170090
Cust No: 18300-28230

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 29-7 #190; CSG**
County/State: RIO ARRIBA NM
Location:
Field:
Formation: BLANCO PC
Cust. Stn. No.: 98783
API 3003927333

Source: **CASING**
Pressure: 115 PSIG
Sample Temp: 33 DEG. F
Well Flowing: N
Date Sampled: 02/22/2017
Sampled By: MARIO VILLA
Foreman/Engr.: RICHARD P.
OIL CONS. DIV DIST. 3
APR 05 2017

Remarks: W/O # 21972292

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.124	0.0140	0.00	0.0012
CO2	3.148	0.5390	0.00	0.0478
Methane	89.399	15.1910	902.93	0.4952
Ethane	4.402	1.1800	77.90	0.0457
Propane	1.990	0.5500	50.07	0.0303
Iso-Butane	0.344	0.1130	11.19	0.0069
N-Butane	0.308	0.0970	10.05	0.0062
I-Pentane	0.088	0.0320	3.52	0.0022
N-Pentane	0.054	0.0200	2.16	0.0013
Hexane Plus	0.143	0.0640	7.54	0.0047
Total	100.000	17.8000	1065.36	0.6416

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1070.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1052.0
REAL SPECIFIC GRAVITY: 0.643

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

DRY BTU @ 14.650: 1064.8
DRY BTU @ 14.696: 1068.1
DRY BTU @ 14.730: 1070.6
DRY BTU @ 15.025: 1092.0

CYLINDER #: 103
CYLINDER PRESSURE: 131 PSIG
DATE RUN: **2/24/17** 8:24 AM
ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 29-7 #190; CSG
Stn. No.: 98783
Mtr. No.: API 3003927333

CASING
BLANCO PC

02/27/2017
18300-28230

Smpl Date: 02/22/2017
Test Date: 02/24/2017
Run No: CP170090

Nitrogen: 0.124
CO2: 3.148
Methane: 89.399
Ethane: 4.402
Propane: 1.990
I-Butane: 0.344
N-Butane: 0.308
I-Pentane: 0.088
N-Pentane: 0.054
Hexane+: 0.143

BTU: 1070.6
GPM: 17.8000
SPG: 0.6430