



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

Analysis No: CP170162
Cust No: 18300-28270

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: VANDERWART #1; INT
County/State: SAN JUAN NM
Location:
Field:
Formation: BLANCO/MV
Cust. Stn. No.: API 3004508438
70056-01

OIL CONS. DIV DIST. 3

MAY 18 2017

Source: INTERMEDIATE
Pressure: 37 PSIG
Sample Temp: 66 DEG. F
Well Flowing: Y
Date Sampled: 04/24/2017
Sampled By: BILLY SHUSS
Foreman/Engr.: RICHARD POYTRESS

Remarks: W/O # 22074259

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.184	0.0200	0.00	0.0018
CO2	1.039	0.1780	0.00	0.0158
Methane	85.074	14.4670	859.25	0.4712
Ethane	7.336	1.9680	129.83	0.0762
Propane	3.260	0.9010	82.03	0.0496
Iso-Butane	0.594	0.1950	19.32	0.0119
N-Butane	0.868	0.2740	28.32	0.0174
I-Pentane	0.331	0.1210	13.24	0.0082
N-Pentane	0.263	0.0960	10.54	0.0066
Hexane Plus	1.051	0.4700	55.40	0.0348
Total	100.000	18.6900	1197.92	0.6935

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1204.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1183.7
REAL SPECIFIC GRAVITY: 0.6955

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

DRY BTU @ 14.650: 1198.2
DRY BTU @ 14.696: 1201.9
DRY BTU @ 14.730: 1204.7
DRY BTU @ 15.025: 1228.8

CYLINDER #: 5012
CYLINDER PRESSURE: 38 PSIG
DATE RUN: 5/2/17 7:41 AM
ANALYSIS RUN BY: SHYANN ELLEDGE



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: VANDERWART #1; INT
Stn. No.: API 3004508438
Mtr. No.: 70056-01

INTERMEDIATE
BLANCO/MV

05/10/2017
18300-28270

Smpl Date: 04/24/2017
Test Date: 05/02/2017
Run No: CP170162

Nitrogen: 0.184
CO2: 1.039
Methane: 85.074
Ethane: 7.336
Propane: 3.260
I-Butane: 0.594
N-Butane: 0.868
I-Pentane: 0.331
N-Pentane: 0.263
Hexane+: 1.051

BTU: 1204.7
GPM: 18.6900
SPG: 0.6955



OIL CONS. DIV DIST. 3
MAY 18 2017

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

Analysis No: CP170161
Cust No: 18300-28265

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: VANDERWART #1; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: BLANCO/MV
Cust. Stn. No.: API 3004508438
70056-01

Source: CASING
Pressure: 37 PSIG
Sample Temp: 65 DEG. F
Well Flowing: Y
Date Sampled: 04/24/2017
Sampled By: BILLY SHUSS
Foreman/Engr.: RICHARD POYTRESS

Remarks: W/O # 22074259

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.205	0.0230	0.00	0.0020
CO2	1.030	0.1760	0.00	0.0157
Methane	85.144	14.4780	859.96	0.4716
Ethane	7.325	1.9650	129.63	0.0760
Propane	3.244	0.8960	81.62	0.0494
Iso-Butane	0.589	0.1930	19.15	0.0118
N-Butane	0.857	0.2710	27.96	0.0172
I-Pentane	0.326	0.1200	13.04	0.0081
N-Pentane	0.257	0.0930	10.30	0.0064
Hexane Plus	1.023	0.4580	53.92	0.0339
Total	100.000	18.6730	1195.59	0.6921

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1202.3

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1181.4

REAL SPECIFIC GRAVITY: 0.6941

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

DRY BTU @ 14.650: 1195.8

DRY BTU @ 14.696: 1199.5

DRY BTU @ 14.730: 1202.3

DRY BTU @ 15.025: 1226.4

CYLINDER #: 4042

CYLINDER PRESSURE: 41 PSIG

DATE RUN: 5/1/17 7:40 AM

ANALYSIS RUN BY: ALEX VALDEZ



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: VANDERWART #1; CSG
Stn. No.: API 3004508438
Mtr. No.: 70056-01

CASING
BLANCO/MV

05/10/2017
18300-28265

Smpl Date: 04/24/2017
Test Date: 05/01/2017
Run No: CP170161
Nitrogen: 0.205
CO2: 1.030
Methane: 85.144
Ethane: 7.325
Propane: 3.244
I-Butane: 0.589
N-Butane: 0.857
I-Pentane: 0.326
N-Pentane: 0.257
Hexane+: 1.023
BTU: 1202.3
GPM: 18.6730
SPG: 0.6941