



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

Analysis No: CP170147
Cust No: 18300-25770

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #22; INTRM
County/State: SAN JUAN NM
Location:
Field:
Formation: FC,PC,MV
Cust. Str. No.: 71062
API 3003907422

Source: INTERMEDIATE
Pressure: 10 PSIA
Sample Temp: 62 DEG. F
Well Flowing: Y
Date Sampled: 04/11/2017
Sampled By: L. LUCERO
Foreman/Engr.: R. POYTHRESS

OIL CONS. DIV DIST. 3

MAY 23 2017

Remarks: PRESSURED WITH HELIUM TO 30LBS.
W/O # 22053790

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	83.953	9.2400	0.00	0.8120
CO2	0.564	0.0960	0.00	0.0086
Methane	13.143	2.2290	132.74	0.0728
Ethane	1.144	0.3060	20.25	0.0119
Propane	0.535	0.1470	13.46	0.0081
Iso-Butane	0.064	0.0210	2.08	0.0013
N-Butane	0.108	0.0340	3.52	0.0022
I-Pentane	0.036	0.0130	1.44	0.0009
N-Pentane	0.030	0.0110	1.20	0.0007
Hexane Plus	0.423	0.1890	22.30	0.0140
Total	100.000	12.2860	196.99	0.9325

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0006
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 197.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 194.2
REAL SPECIFIC GRAVITY: 0.9327

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

DRY BTU @ 14.650: 196.5
DRY BTU @ 14.696: 197.1
DRY BTU @ 14.730: 197.6
DRY BTU @ 15.025: 201.6

CYLINDER #: 4162
CYLINDER PRESSURE: PSIG
DATE RUN: 4/17/17 7:53 AM
ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #22; INTRM
Stn. No.: 71062
Mtr. No.: API 3003907422

INTERMEDIATE
FC,PC,MV

05/22/2017
18300-25770

Smpl Date:	04/11/2017	12/21/2016	11/30/2016	03/11/2014
Test Date:	04/17/2017	12/22/2016	12/01/2016	03/28/2014
Run No:	CP170147	CP160828	CP160752	CP140225
Nitrogen:	83.953	10.093	18.836	0.277
CO2:	0.564	0.137	0.216	0.896
Methane:	13.143	75.361	67.854	90.941
Ethane:	1.144	6.127	5.788	4.409
Propane:	0.535	3.213	2.964	2.321
I-Butane:	0.064	0.591	0.599	0.444
N-Butane:	0.108	1.058	1.060	0.369
I-Pentane:	0.036	0.678	0.617	0.117
N-Pentane:	0.030	0.538	0.474	0.065
Hexane+:	0.423	2.204	1.592	0.161
BTU:	197.6	1175.7	1049.5	1102.6
GPM:	12.2860	18.4450	17.6620	17.8620
SPG:	0.9327	0.7683	0.7816	0.6287



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

Analysis No: CP170146
Cust No: 18300-25765

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #22; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: FC,PC,MV
Cust. Str. No.: 71062
API 3003907422

Source: CASING
Pressure: 108 PSIA
Sample Temp: 62 DEG. F
Well Flowing:
Date Sampled: 04/11/2017
Sampled By: L. LUCERO
Foreman/Engr.: R. POYTHRESS

OIL CONS. DIV DIST. 3

MAY 23 2017

Remarks: W/O # 22053790

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.507	0.0560	0.00	0.0049
CO2	0.702	0.1200	0.00	0.0107
Methane	80.655	13.7210	814.62	0.4467
Ethane	8.662	2.3250	153.29	0.0899
Propane	5.142	1.4210	129.38	0.0783
Iso-Butane	0.975	0.3200	31.71	0.0196
N-Butane	1.428	0.4520	46.59	0.0287
I-Pentane	0.518	0.1900	20.72	0.0129
N-Pentane	0.389	0.1410	15.59	0.0097
Hexane Plus	1.022	0.4570	53.87	0.0338
Total	100.000	19.2030	1265.77	0.7352

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1273.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1251.2
REAL SPECIFIC GRAVITY: 0.7376

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

DRY BTU @ 14.650: 1266.5
DRY BTU @ 14.696: 1270.5
DRY BTU @ 14.730: 1273.4
DRY BTU @ 15.025: 1298.9

CYLINDER #: 6162
CYLINDER PRESSURE: 105 PSIA
DATE RUN: 4/17/17 7:52 AM
ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #22; CSG
Stn. No.: 71062
Mtr. No.: API 3003907422

CASING
FC,PC,MV

05/22/2017
18300-25765

Smpl Date:	04/11/2017	12/21/2016	11/30/2016	03/11/2014
Test Date:	04/17/2017	12/22/2016	12/01/2016	03/28/2014
Run No:	CP170146	CP160827	CP160751	CP140224
Nitrogen:	0.507	25.706	26.494	0.283
CO2:	0.702	0.875	0.882	0.903
Methane:	80.655	59.879	61.353	90.910
Ethane:	8.662	5.813	5.820	4.407
Propane:	5.142	3.784	3.502	2.321
I-Butane:	0.975	0.797	0.631	0.445
N-Butane:	1.428	1.170	0.805	0.370
I-Pentane:	0.518	0.447	0.227	0.117
N-Pentane:	0.389	0.335	0.144	0.066
Hexane+:	1.022	1.194	0.142	0.178
BTU:	1273.4	965.9	883.8	1103.2
GPM:	19.2030	17.2140	16.6760	17.8650
SPG:	0.7376	0.8118	0.7673	0.6293



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

Analysis No: CP170148
Cust No: 18300-28135

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #22; TBG
County/State: SAN JUAN NM
Location:
Field:
Formation: FC/PC/MV
Cust. Stn. No.: 71062
API 3003907422

Source: TUBING
Pressure: 106 PSIA
Sample Temp: 62 DEG. F
Well Flowing: Y
Date Sampled: 04/11/2017
Sampled By: LAWRENCE L.
Foreman/Engr.: RICHARD P.

Remarks: W/O # 22053790

OIL CONS. DIV DIST. 3
MAY 23 2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.564	0.0620	0.00	0.0055
CO2	0.656	0.1120	0.00	0.0100
Methane	81.605	13.8810	824.21	0.4520
Ethane	8.429	2.2620	149.17	0.0875
Propane	5.039	1.3930	126.79	0.0767
Iso-Butane	0.929	0.3050	30.21	0.0186
N-Butane	1.269	0.4010	41.40	0.0255
I-Pentane	0.417	0.1530	16.68	0.0104
N-Pentane	0.299	0.1090	11.99	0.0074
Hexane Plus	0.793	0.3550	41.80	0.0262
Total	100.000	19.0330	1242.24	0.7199

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1249.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1227.8
REAL SPECIFIC GRAVITY: 0.7221

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

DRY BTU @ 14.650: 1242.7
DRY BTU @ 14.696: 1246.6
DRY BTU @ 14.730: 1249.5
DRY BTU @ 15.025: 1274.5

CYLINDER #: 7019
CYLINDER PRESSURE: 108 PSIG
DATE RUN: 4/17/17 7:54 AM
ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #22; TBG
Stn. No.: 71062
Mtr. No.: API 3003907422

TUBING
FC/PC/MV

05/22/2017
18300-28135

Smpl Date:	04/11/2017	11/30/2016
Test Date:	04/17/2017	12/01/2016
Run No:	CP170148	CP160753
Nitrogen:	0.564	0.588
CO2:	0.656	0.737
Methane:	81.605	82.630
Ethane:	8.429	8.118
Propane:	5.039	4.892
I-Butane:	0.929	0.894
N-Butane:	1.269	1.169
I-Pentane:	0.417	0.339
N-Pentane:	0.299	0.230
Hexane+:	0.793	0.403
BTU:	1249.5	1219.4
GPM:	19.0330	18.8230
SPG:	0.7221	0.7043