



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

Analysis No: CP160826
Cust No: 18300-25910

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-7 #22 BHD
County/State: SAN JUAN
Location: H17-28N-07W
Field:
Formation: FC,PC,MV
Cust. Str. No.: 71062
API 300390742200

Source: BRADENHEAD
Pressure: 0 PSIA
Sample Temp: 24 DEG. F
Well Flowing: Y
Date Sampled: 12/21/2016
Sampled By: L. LUCERO
Foreman/Engr.: R. POYTHRESS

OIL CONS. DIV DIST. 3

Remarks: PRESSURED WITH HELIUM TO 30 LBS.
WO# 21869320

JAN 10 2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	94.311	10.3770	0.00	0.9122
CO2	0.818	0.1400	0.00	0.0124
Methane	3.567	0.6050	36.03	0.0198
Ethane	0.668	0.1790	11.82	0.0069
Propane	0.129	0.0360	3.25	0.0020
Iso-Butane	0.000	0.0000	0.00	0.0000
N-Butane	0.280	0.0880	9.13	0.0056
I-Pentane	0.149	0.0540	5.96	0.0037
N-Pentane	0.078	0.0280	3.13	0.0019
Hexane Plus	0.000	0.0000	0.00	0.0000
Total	100.000	11.5070	69.32	0.9645

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0004

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 69.5

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 68.3

REAL SPECIFIC GRAVITY: 0.9645

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

DRY BTU @ 14.650: 69.1

DRY BTU @ 14.696: 69.3

DRY BTU @ 14.730: 69.5

DRY BTU @ 15.025: 70.9

CYLINDER #: 4059

CYLINDER PRESSURE: PSIG

DATE RUN: 12/22/16 12:00 AM

ANALYSIS RUN BY: Shyann Elledge

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-7 #22 BHD
Strn. No.: 71062
Mtr. No.: API 300390742200

BRADENHEAD
FC,PC,MV

01/03/2017
18300-25910

Smpl Date:	12/21/2016	03/11/2014
Test Date:	12/22/2016	03/28/2014
Run No:	CP160826	CP140323
Nitrogen:	94.311	89.807
CO2:	0.818	0.164
Methane:	3.567	8.749
Ethane:	0.668	0.771
Propane:	0.129	0.238
I-Butane:	0.000	0.045
N-Butane:	0.280	0.022
I-Pentane:	0.149	0.013
N-Pentane:	0.078	0.000
Hexane+:	0.000	0.191
BTU:	69.5	121.1
GPM:	11.5070	11.7770
SPG:	0.9645	0.9392



2030 Afton Place
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(505) 325-6622

Analysis No: CP160827
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. Stn. No.: 71062
API 3003907422

Source: CASING
Pressure: 83 PSIA
Sample Temp: 24 DEG. F
Well Flowing: Y
Date Sampled: 12/21/2016
Sampled By: L. LUCERO
Foreman/Engr.: R. POYTHRESS

OIL CONS. DIV DIST. 3

JAN 10 2017

Remarks: WO# 21869320

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	25.706	2.8350	0.00	0.2486
CO2	0.875	0.1500	0.00	0.0133
Methane	59.879	10.1750	604.77	0.3317
Ethane	5.813	1.5580	102.87	0.0604
Propane	3.784	1.0450	95.21	0.0576
Iso-Butane	0.797	0.2610	25.92	0.0160
N-Butane	1.170	0.3700	38.17	0.0235
I-Pentane	0.447	0.1640	17.88	0.0111
N-Pentane	0.335	0.1220	13.43	0.0083
Hexane Plus	1.194	0.5340	62.94	0.0395
Total	100.000	17.2140	961.20	0.8100

* @ 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): 965.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 949.1
REAL SPECIFIC GRAVITY: 0.8118

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

DRY BTU @ 14.650: 960.7
DRY BTU @ 14.696: 963.7
DRY BTU @ 14.730: 965.9
DRY BTU @ 15.025: 985.2

CYLINDER #: 6070
CYLINDER PRESSURE: 18 PSIG
DATE RUN: 12/22/16 12:00 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

01/03/2017
18300-25765

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



2030 Afton Place
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(505) 325-6622

Analysis No: CP160828
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. Stn. No.: 71062
API 3003907422

Source: INTERMEDIATE
Pressure: 58 PSIA
Sample Temp: 24 DEG. F
Well Flowing: Y
Date Sampled: 12/21/2016
Sampled By: L. LUCERO
Foreman/Engr.: R. POYTHRESS

Remarks: WO# 21869320

OIL CONS. DIV DIST. 3

JAN 10 2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	10.093	1.1140	0.00	0.0976
CO2	0.137	0.0230	0.00	0.0021
Methane	75.361	12.8160	761.15	0.4174
Ethane	6.127	1.6440	108.43	0.0636
Propane	3.213	0.8880	80.84	0.0489
Iso-Butane	0.591	0.1940	19.22	0.0119
N-Butane	1.058	0.3350	34.51	0.0212
I-Pentane	0.678	0.2490	27.13	0.0169
N-Pentane	0.538	0.1960	21.57	0.0134
Hexane Plus	2.204	0.9860	116.17	0.0729
Total	100.000	18.4450	1169.02	0.7660

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1175.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1155.2
REAL SPECIFIC GRAVITY: 0.7683

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

DRY BTU @ 14.650: 1169.3
DRY BTU @ 14.696: 1173.0
DRY BTU @ 14.730: 1175.7
DRY BTU @ 15.025: 1199.2

CYLINDER #: 6227
CYLINDER PRESSURE: 45 PSIG
DATE RUN: 12/22/16 12:00 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

01/03/2017
18300-25770

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