



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

Analysis No: CP160294
Cust No: 18300-19360

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-6 #169 INT
County/State: RIO ARriba NM
Location: M02-27N-06W
Field: AREA 24
Formation:
Cust. Strn. No.: 8744501
AM02341470NO
API 3003920477

Source: INTERMEDIATE
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/18/2016
Sampled By: R. DANEK
Foreman/Engr.: MATTHEW MELTON

Remarks: W/O 9263487

OIL CONS. DIV DIST. 3
AUG 10 2016

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.113	0.0120	0.00	0.0011
CO2	1.369	0.2340	0.00	0.0208
Methane	90.434	15.3670	913.38	0.5009
Ethane	5.278	1.4150	93.41	0.0548
Propane	1.569	0.4330	39.48	0.0239
Iso-Butane	0.368	0.1210	11.97	0.0074
N-Butane	0.372	0.1180	12.14	0.0075
I-Pentane	0.184	0.0670	7.36	0.0046
N-Pentane	0.106	0.0390	4.25	0.0026
Hexane Plus	0.207	0.0930	10.91	0.0069
Total	100.000	17.8990	1092.89	0.6304

* @ 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): 1098.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1079.2
REAL SPECIFIC GRAVITY: 0.6318

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

DRY BTU @ 14.650: 1092.3
DRY BTU @ 14.696: 1095.8
DRY BTU @ 14.730: 1098.3
DRY BTU @ 15.025: 1120.3

CYLINDER #: 4249
CYLINDER PRESSURE: 199 PSIG
DATE RUN: 5/19/16 10:30 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 #169 INT
Stn. No.: 8744501
Mtr. No.: AM02341470NO

INTERMEDIATE

05/24/2016
18300-19360

Smpl Date:	05/18/2016	02/27/2014	08/24/2010
Test Date:	05/19/2016	03/10/2014	08/25/2010
Run No:	CP160294	CP140165	CP100651
Nitrogen:	0.113	0.177	0.196
CO2:	1.369	1.219	1.169
Methane:	90.434	92.578	93.184
Ethane:	5.278	3.288	3.641
Propane:	1.569	1.563	0.933
I-Butane:	0.368	0.274	0.229
N-Butane:	0.372	0.250	0.231
I-Pentane:	0.184	0.136	0.125
N-Pentane:	0.106	0.078	0.065
Hexane+:	0.207	0.437	0.227
BTU:	1098.3	1086.4	1068.7
GPM:	17.8990	17.7140	17.5980
SPG:	0.6318	0.6226	0.6104



2030 Afton Place
Farmington, NM 87401
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Analysis No: CP160293
Cust No: 18300-25530

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-6 #169 CSG
County/State: RIO ARRIBA
Location:
Field: AREA 24
Formation:
Cust. Stn. No.: 87445
AM02341470NO
API 3003920477

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/18/2016
Sampled By: R. DANEK
Foreman/Engr.: MATTHEW MELTON

Remarks: W/O 9263487

OIL CONS. DIV DIST. 3
AUG 10 2016

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.111	0.0120	0.00	0.0011
CO2	1.356	0.2320	0.00	0.0206
Methane	90.443	15.3690	913.47	0.5010
Ethane	5.269	1.4120	93.25	0.0547
Propane	1.575	0.4350	39.63	0.0240
Iso-Butane	0.372	0.1220	12.10	0.0075
N-Butane	0.378	0.1190	12.33	0.0076
I-Pentane	0.188	0.0690	7.52	0.0047
N-Pentane	0.095	0.0350	3.81	0.0024
Hexane Plus	0.213	0.0950	11.23	0.0070
Total	100.000	17.9000	1093.34	0.6305

* @ 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): 1098.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1079.6
REAL SPECIFIC GRAVITY: 0.6319

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

DRY BTU @ 14.650: 1092.7
DRY BTU @ 14.696: 1096.2
DRY BTU @ 14.730: 1098.7
DRY BTU @ 15.025: 1120.7

CYLINDER #: 6118
CYLINDER PRESSURE: 198 PSIG
DATE RUN: 5/19/16 10:28 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 #169 CSG
Stn. No.: 87445
Mtr. No.: AM02341470NO

CASING

05/24/2016
18300-25530

Smpl Date:	05/18/2016	02/27/2014
Test Date:	05/19/2016	03/14/2014
Run No:	CP160293	CP140164
Nitrogen:	0.111	0.128
CO2:	1.356	1.207
Methane:	90.443	92.443
Ethane:	5.269	3.328
Propane:	1.575	1.611
I-Butane:	0.372	0.286
N-Butane:	0.378	0.274
I-Pentane:	0.188	0.148
N-Pentane:	0.095	0.084
Hexane+:	0.213	0.491
BTU:	1098.7	1091.8
GPM:	17.9000	17.7510
SPG:	0.6319	0.6253



2030 Afton Place
Farmington, NM 87401
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Analysis No: CP160295
Cust No: 18300-27720

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-6 169; TBG
County/State: RIO ARRIBA NM
Location:
Field:
Formation: DK
Cust. Strn. No.: 87445
API 3003920477

Source: TUBING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/18/2016
Sampled By: R. DANEK
Foreman/Engr.: MATTHEW MELTON

OIL CONS. DIV DIST. 3

AUG 10 2016

Remarks: W/O 9263487

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.111	0.0120	0.00	0.0011
CO2	1.267	0.2170	0.00	0.0193
Methane	87.035	14.7940	879.05	0.4821
Ethane	7.206	1.9320	127.52	0.0748
Propane	2.325	0.6420	58.50	0.0354
Iso-Butane	0.553	0.1810	17.98	0.0111
N-Butane	0.607	0.1920	19.80	0.0122
I-Pentane	0.335	0.1230	13.40	0.0083
N-Pentane	0.178	0.0650	7.14	0.0044
Hexane Plus	0.383	0.1710	20.19	0.0127
Total	100.000	18.3290	1143.59	0.6614

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1149.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1129.6
REAL SPECIFIC GRAVITY: 0.663

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

DRY BTU @ 14.650: 1143.4
DRY BTU @ 14.696: 1146.9
DRY BTU @ 14.730: 1149.6
DRY BTU @ 15.025: 1172.6

CYLINDER #: 4245
CYLINDER PRESSURE: 202 PSIG
DATE RUN: 5/19/16 10:31 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 169; TBG
Stn. No.: 87445
Mtr. No.: API 3003920477

TUBING
DK

05/24/2016
18300-27720

Smpl Date: 05/18/2016
Test Date: 05/19/2016
Run No: CP160295

Nitrogen: 0.111
CO₂: 1.267
Methane: 87.035
Ethane: 7.206
Propane: 2.325
I-Butane: 0.553
N-Butane: 0.607
I-Pentane: 0.335
N-Pentane: 0.178
Hexane+: 0.383

BTU: 1149.6
GPM: 18.3290
SPG: 0.6630