



OIL CONS. DIV DIST. 3

MAR 30 2016

API #3004533700

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160031
Cust No: 18300-21575**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 32-8 #21B
County/State: SAN JUAN NM
Location:
Field:
Formation: LW/MV
Cust. Stn. No.: 83206
A650117SMSource: INTERMEDIATE
Pressure: 133 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/24/2016
Sampled By: GREG DUNN
Foreman/Engr.: JOE COLLEYRemarks: WO#: 9262401
API#: 300453370000S01**Analysis**

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.158	0.0170	0.00	0.0015
CO2	1.932	0.3310	0.00	0.0294
Methane	85.796	14.5830	866.54	0.4752
Ethane	8.129	2.1800	143.86	0.0844
Propane	2.546	0.7030	64.06	0.0388
Iso-Butane	0.264	0.0870	8.59	0.0053
N-Butane	0.520	0.1640	16.96	0.0104
I-Pentane	0.143	0.0520	5.72	0.0036
N-Pentane	0.115	0.0420	4.61	0.0029
Hexane Plus	0.397	0.1780	20.93	0.0131
Total	100.000	18.3370	1131.26	0.6646

* @ 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): 1137.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1117.4
REAL SPECIFIC GRAVITY: 0.6662GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1131.0
DRY BTU @ 14.696: 1134.6
DRY BTU @ 14.730: 1137.2
DRY BTU @ 15.025: 1160.0CYLINDER #: 6193
CYLINDER PRESSURE: 139 PSIG
DATE RUN: 3/28/16 9:56 AM
ANALYSIS RUN BY: DAWN BLASSINGAME

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 32-8 #21B
Stn. No.: 83206
Mtr. No.: A650117SM

INTERMEDIATE
LW/MV

03/28/2016
18300-21575

Smpl Date:	03/24/2016	08/03/2011
Test Date:	03/28/2016	08/05/2011
Run No:	CP160031	CP110730
Nitrogen:	0.158	0.152
CO2:	1.932	1.922
Methane:	85.796	91.761
Ethane:	8.129	4.353
Propane:	2.546	1.223
I-Butane:	0.264	0.136
N-Butane:	0.520	0.232
I-Pentane:	0.143	0.063
N-Pentane:	0.115	0.049
Hexane+:	0.397	0.109
BTU:	1137.2	1061.8
GPM:	18.3370	17.6490
SPG:	0.6662	0.6178



OIL CONS. DIV DIST. 3

MAR 30 2016

API #3004533700

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160030
Cust No: 18300-21570**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 32-8 #21B
County/State: SAN JUAN NM
Location:
Field:
Formation: LW/MV
Cust. Stn. No.: 83206
A650117SMSource: CASING
Pressure: 129 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/24/2016
Sampled By: GREG DUNN
Foreman/Engr.: JOE COLLEYRemarks: WO#: 9262401
API#: 300453370000S01**Analysis**

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.160	0.0180	0.00	0.0015
CO2	1.924	0.3290	0.00	0.0292
Methane	85.903	14.6020	867.62	0.4758
Ethane	8.163	2.1890	144.46	0.0847
Propane	2.552	0.7050	64.21	0.0389
Iso-Butane	0.262	0.0860	8.52	0.0053
N-Butane	0.516	0.1630	16.83	0.0104
I-Pentane	0.131	0.0480	5.24	0.0033
N-Pentane	0.109	0.0400	4.37	0.0027
Hexane Plus	0.280	0.1250	14.76	0.0093
Total	100.000	18.3050	1126.02	0.6611

* @ 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): 1131.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1112.2
REAL SPECIFIC GRAVITY: 0.6627GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1125.8
DRY BTU @ 14.696: 1129.3
DRY BTU @ 14.730: 1131.9
DRY BTU @ 15.025: 1154.6CYLINDER #: 4222
CYLINDER PRESSURE: 137 PSIG
DATE RUN: 3/28/16 9:54 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 32-8 #21B
Stn. No.: 83206
Mtr. No.: A650117SM

CASING
LW/MV

03/28/2016
18300-21570

Smpl Date:	03/24/2016	08/03/2011
Test Date:	03/28/2016	08/05/2011
Run No:	CP160030	CP110729
Nitrogen:	0.160	0.146
CO2:	1.924	1.927
Methane:	85.903	91.703
Ethane:	8.163	4.390
Propane:	2.552	1.234
I-Butane:	0.262	0.137
N-Butane:	0.516	0.234
I-Pentane:	0.131	0.066
N-Pentane:	0.109	0.050
Hexane+:	0.280	0.113
BTU:	1131.9	1062.6
GPM:	18.3050	17.6560
SPG:	0.6627	0.6183