



OIL CONS. DIV DIST. 3

JUL 18 2016

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

Analysis No: CP160401
Cust No: 18300-27910

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-4 #42; INT
County/State: RIO ARriba NM
Location: K08-27N-04W
Field:
Formation: DAKOTA
Cust. Stn. No.: API 300392013200S01

Source: INTERMEDIATE
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 06/21/2016
Sampled By: KEVIN PETERSON
Foreman/Engr.: N. BLOOMFIELD

Remarks: W/O 9274412
SAMPLE CONTAINED A SMALL AMOUNT OF PARIFFIN

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.151	0.0170	0.00	0.0015
CO2	1.443	0.2470	0.00	0.0219
Methane	89.962	15.2890	908.62	0.4983
Ethane	5.064	1.3580	89.62	0.0526
Propane	1.528	0.4220	38.45	0.0233
Iso-Butane	0.392	0.1290	12.75	0.0079
N-Butane	0.410	0.1300	13.38	0.0082
I-Pentane	0.327	0.1200	13.08	0.0081
N-Pentane	0.193	0.0700	7.74	0.0048
Hexane Plus	0.530	0.2370	27.94	0.0175
Total	100.000	18.0190	1111.56	0.6441

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1117.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1097.7
REAL SPECIFIC GRAVITY: 0.6456

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

DRY BTU @ 14.650: 1111.0
DRY BTU @ 14.696: 1114.5
DRY BTU @ 14.730: 1117.1
DRY BTU @ 15.025: 1139.5

CYLINDER #: 6141
CYLINDER PRESSURE: 40 PSIG
DATE RUN: 6/23/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-4 #42; INT
Stn. No.: API
Mtr. No.:

INTERMEDIATE
DAKOTA

06/27/2016
18300-27910

Smpl Date: 06/21/2016
Test Date: 06/23/2016
Run No: CP160401
Nitrogen: 0.151
CO2: 1.443
Methane: 89.962
Ethane: 5.064
Propane: 1.528
I-Butane: 0.392
N-Butane: 0.410
I-Pentane: 0.327
N-Pentane: 0.193
Hexane+: 0.530
BTU: 1117.1
GPM: 18.0190
SPG: 0.6456



OIL CONS. DIV DIST. 3

JUL 18 2016

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160400
Cust No: 18300-27905**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-4 #42; CSG
County/State: RIO ARRRIBA NM
Location: K08-27N-04W
Field:
Formation: DAKOTA
Cust. Strn. No.: API 300392013200S01

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 06/21/2016
Sampled By: KEVIN PETERSON
Foreman/Engr.: N. BLOOMFIELD

Remarks: W/O 9274412

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.149	0.0160	0.00	0.0014
CO2	1.462	0.2500	0.00	0.0222
Methane	89.802	15.2630	907.00	0.4974
Ethane	5.056	1.3560	89.48	0.0525
Propane	1.534	0.4240	38.60	0.0234
Iso-Butane	0.395	0.1300	12.84	0.0079
N-Butane	0.416	0.1310	13.57	0.0083
I-Pentane	0.340	0.1250	13.60	0.0085
N-Pentane	0.205	0.0740	8.22	0.0051
Hexane Plus	0.641	0.2870	33.79	0.0212
Total	100.000	18.0560	1117.10	0.6480

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1122.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1103.3
REAL SPECIFIC GRAVITY: 0.6495

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

DRY BTU @ 14.650: 1116.7
DRY BTU @ 14.696: 1120.2
DRY BTU @ 14.730: 1122.8
DRY BTU @ 15.025: 1145.3

CYLINDER #: 6043
CYLINDER PRESSURE: 155 PSIG
DATE RUN: 6/23/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-4 #42; CSG
Stn. No.: API
Mtr. No.:

CASING
DAKOTA

06/27/2016
18300-27905

Smpl Date: 06/21/2016
Test Date: 06/23/2016
Run No: CP160400

Nitrogen: 0.149
CO2: 1.462
Methane: 89.802
Ethane: 5.056
Propane: 1.534
I-Butane: 0.395
N-Butane: 0.416
I-Pentane: 0.340
N-Pentane: 0.205
Hexane+: 0.641

BTU: 1122.8
GPM: 18.0560
SPG: 0.6495



OIL CONS. DIV DIST. 3

JUL 18 2016

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: BU160287
Cust No: 52100-21880**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: ARIZONA JICARILLA #2; BHD
County/State: RIO ARriba NM
Location: D26-25N-04W
Field:
Formation: PICTURED CLIFFS
Cust. Stn. No.: 3200430
API 300390586400S01

Source: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/01/2016
Sampled By: JAY FERMAN
Foreman/Engr.: NATHAN BLOOMFIELD

Remarks: W/o #9245734

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.981	0.1080	0.00	0.0095
CO2	0.033	0.0060	0.00	0.0005
Methane	84.275	14.3290	851.18	0.4668
Ethane	7.693	2.0630	136.14	0.0799
Propane	4.181	1.1550	105.20	0.0637
Iso-Butane	0.904	0.2970	29.40	0.0181
N-Butane	0.999	0.3160	32.59	0.0200
I-Pentane	0.359	0.1320	14.36	0.0089
N-Pentane	0.221	0.0800	8.86	0.0055
Hexane Plus	0.354	0.1580	18.66	0.0117
Total	100.000	18.6440	1196.39	0.6847

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1203.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1182.1
REAL SPECIFIC GRAVITY: 0.6866

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

DRY BTU @ 14.650: 1196.5
DRY BTU @ 14.696: 1200.2
DRY BTU @ 14.730: 1203.0
DRY BTU @ 15.025: 1227.1

CYLINDER #: 6130
CYLINDER PRESSURE: 81 PSIG
DATE RUN: 6/10/16 12:00 AM
ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: ARIZONA JICARILLA #2; BHD
Stn. No.: 3200430
Mtr. No.: API

BRADENHEAD
PICTURED CLIFFS

06/14/2016
52100-21880

Smpl Date:	06/01/2016	08/12/2010
Test Date:	06/10/2016	08/13/2010
Run No:	BU160287	BU100683
Nitrogen:	0.981	0.953
CO2:	0.033	0.064
Methane:	84.275	83.209
Ethane:	7.693	7.911
Propane:	4.181	4.451
I-Butane:	0.904	1.007
N-Butane:	0.999	1.167
I-Pentane:	0.359	0.487
N-Pentane:	0.221	0.318
Hexane+:	0.354	0.433
BTU:	1203.0	1225.2
GPM:	18.6440	18.8010
SPG:	0.6866	0.7009