



OIL CONS. DIV DIST. 3

AUG 01 2016

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160441
Cust No: 18300-27940**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: JICARILLA 20 #5; BHD
County/State: RIO ARRIBA NM
Location:
Field:
Formation: GL/DK
Cust. Strn. No.: API 3003920446
06810202

Source: BRADENHEAD
Pressure: 133 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 07/12/2016
Sampled By: RICHARD BOYLES
Foreman/Engr.: N. BLOOMFIELD

Remarks: W/O 9244665

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.561	0.0620	0.00	0.0054
CO2	0.693	0.1190	0.00	0.0105
Methane	78.343	13.3290	791.26	0.4339
Ethane	11.229	3.0140	198.72	0.1166
Propane	5.271	1.4570	132.62	0.0803
Iso-Butane	0.630	0.2070	20.49	0.0126
N-Butane	1.644	0.5200	53.63	0.0330
I-Pentane	0.486	0.1780	19.44	0.0121
N-Pentane	0.475	0.1730	19.04	0.0118
Hexane Plus	0.668	0.2990	35.21	0.0221
Total	100.000	19.3580	1270.43	0.7384

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1278.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1256.0
REAL SPECIFIC GRAVITY: 0.7409

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

DRY BTU @ 14.650: 1271.3
DRY BTU @ 14.696: 1275.2
DRY BTU @ 14.730: 1278.2
DRY BTU @ 15.025: 1303.8

CYLINDER #: 050
CYLINDER PRESSURE: 137 PSIG
DATE RUN: 7/14/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: JICARILLA 20 #5; BHD
Stn. No.: API 3003920446
Mtr. No.: 06810202

BRADENHEAD
GL/DK

07/18/2016
18300-27940

Smpl Date: 07/12/2016
Test Date: 07/14/2016
Run No: CP160441

Nitrogen: 0.561
CO2: 0.693
Methane: 78.343
Ethane: 11.229
Propane: 5.271
I-Butane: 0.630
N-Butane: 1.644
I-Pentane: 0.486
N-Pentane: 0.475
Hexane+: 0.668

BTU: 1278.2
GPM: 19.3580
SPG: 0.7409



OIL CONS. DIV DIST. 3

AUG 01 2016

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160442
Cust No: 18300-27945**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: JICARILLA 20 #5; CSG
County/State: RIO ARRIBA NM
Location:
Field:
Formation: GL/DK
Cust. Stn. No.: API 3003920446
06810202Source: CASING
Pressure: 165 PSIG
Sample Temp: 75 DEG. F
Well Flowing: N
Date Sampled: 07/12/2016
Sampled By: RICHARD BOYLES
Foreman/Engr.: N. BLOOMFIELD

Remarks: W/O 9244665

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.574	0.0630	0.00	0.0056
CO2	0.712	0.1220	0.00	0.0108
Methane	77.745	13.2270	785.22	0.4306
Ethane	11.576	3.1070	204.86	0.1202
Propane	5.528	1.5280	139.09	0.0842
Iso-Butane	0.674	0.2210	21.92	0.0135
N-Butane	1.665	0.5270	54.32	0.0334
I-Pentane	0.484	0.1780	19.36	0.0121
N-Pentane	0.468	0.1700	18.76	0.0117
Hexane Plus	0.574	0.2570	30.26	0.0190
Total	100.000	19.4000	1273.79	0.7410

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1281.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1259.3
REAL SPECIFIC GRAVITY: 0.7435GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1274.6
DRY BTU @ 14.696: 1278.6
DRY BTU @ 14.730: 1281.6
DRY BTU @ 15.025: 1307.3CYLINDER #: KFL198
CYLINDER PRESSURE: 166 PSIG
DATE RUN: 7/14/16 9:19 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: JICARILLA 20 #5; CSG
Stn. No.: API 3003920446
Mtr. No.: 06810202

CASING
GL/DK

07/18/2016
18300-27945

Smpl Date: 07/12/2016
Test Date: 07/14/2016
Run No: CP160442

Nitrogen: 0.574
CO2: 0.712
Methane: 77.745
Ethane: 11.576
Propane: 5.528
I-Butane: 0.674
N-Butane: 1.665
I-Pentane: 0.484
N-Pentane: 0.468
Hexane+: 0.574

BTU: 1281.6
GPM: 19.4000
SPG: 0.7435