



OIL CONS. DIV DIST. 3

APR 22 2016

API #3004525114

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160122
Cust No: 18300-27380**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CULPEPPER MARTIN 1E DK/MV; BHD
County/State:
Location:
Field:
Formation: DK/MV
Cust. Stn. No.: 300452511400C01/C02Source: BRADENHEAD
Pressure: 103 PSIG
Sample Temp: 70 DEG. F
Well Flowing: Y
Date Sampled: 04/14/2016
Sampled By: JASON RICHARDS
Foreman/Engr.: VICTORIA RAMIREZRemarks: WO# 9242161
SAMPLE CONTAINED A SMALL AMOUNT OF CONDENSATE**Analysis**

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.732	0.0810	0.00	0.0071
CO2	0.013	0.0020	0.00	0.0002
Methane	84.441	14.3580	852.86	0.4677
Ethane	7.817	2.0970	138.33	0.0812
Propane	4.688	1.2950	117.95	0.0714
Iso-Butane	0.713	0.2340	23.19	0.0143
N-Butane	0.831	0.2630	27.11	0.0167
I-Pentane	0.188	0.0690	7.52	0.0047
N-Pentane	0.141	0.0510	5.65	0.0035
Hexane Plus	0.436	0.1950	22.98	0.0144
Total	100.000	18.6450	1195.59	0.6811

* @ 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): 1202.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1181.2
REAL SPECIFIC GRAVITY: 0.683GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1195.6
DRY BTU @ 14.696: 1199.3
DRY BTU @ 14.730: 1202.1
DRY BTU @ 15.025: 1226.2CYLINDER #: A100
CYLINDER PRESSURE: 103 PSIG
DATE RUN: 4/18/16 12:00 AM
ANALYSIS RUN BY: Shyann Elledge



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease:	CULPEPPER MARTIN 1E DK/MV; BHD	BRADENHEAD	04/19/2016
Stn. No.:		DK/MV	18300-27380
Mtr. No.:	300452511400C01		

Smpl Date:	04/14/2016
Test Date:	04/18/2016
Run No:	CP160122
Nitrogen:	0.732
CO2:	0.013
Methane:	84.441
Ethane:	7.817
Propane:	4.688
I-Butane:	0.713
N-Butane:	0.831
I-Pentane:	0.188
N-Pentane:	0.141
Hexane+:	0.436
BTU:	1202.1
GPM:	18.6450
SPG:	0.6830



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APR 22 2016

API #3004525114

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP160123
Cust No: 18300-27385**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CULPEPPER MARTIN 1E DK/MV; CSG
County/State:
Location:
Field:
Formation: DK/MV
Cust. Stn. No.: 300452511400C01/C02

Source: CASING
Pressure: 80 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 04/14/2016
Sampled By: JASON RICHARDS
Foreman/Engr.: VICTORIA RAMIREZ

Remarks: WO# 9242161
SAMPLE CONTAINED 1/8 CUP OF CONDENSATE

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.261	0.0290	0.00	0.0025
CO2	0.881	0.1510	0.00	0.0134
Methane	80.847	13.7550	816.56	0.4478
Ethane	9.019	2.4210	159.61	0.0936
Propane	4.712	1.3030	118.56	0.0717
Iso-Butane	0.848	0.2780	27.58	0.0170
N-Butane	1.201	0.3800	39.18	0.0241
I-Pentane	0.377	0.1380	15.08	0.0094
N-Pentane	0.278	0.1010	11.14	0.0069
Hexane Plus	1.576	0.7050	83.07	0.0522
Total	100.000	19.2610	1270.78	0.7387

* @ 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): 1278.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1256.4
REAL SPECIFIC GRAVITY: 0.7412

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

DRY BTU @ 14.650: 1271.7
DRY BTU @ 14.696: 1275.6
DRY BTU @ 14.730: 1278.6
DRY BTU @ 15.025: 1304.2

CYLINDER #: 6081
CYLINDER PRESSURE: 79 PSIG
DATE RUN: 4/18/16 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease:	CULPEPPER MARTIN 1E DK/MV; CSG	CASING	04/19/2016
Stn. No.:		DK/MV	18300-27385
Mtr. No.:	300452511400C01		

Smpl Date:	04/14/2016
Test Date:	04/18/2016
Run No:	CP160123
Nitrogen:	0.261
CO2:	0.881
Methane:	80.847
Ethane:	9.019
Propane:	4.712
I-Butane:	0.848
N-Butane:	1.201
I-Pentane:	0.377
N-Pentane:	0.278
Hexane+:	1.576
BTU:	1278.6
GPM:	19.2610
SPG:	0.7412