

30-045-07842



OIL CONS. DIV DIST. 3

AUG 19 2016

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

Analysis No: CP160465
Cust No: 18300-26285

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: (MANGUM SRC #1; BHD)
County/State: SAN JUAN NM
Location: I29-29N-11W
Field:
Formation:
Cust. Str. No.: 37075-302
AM02343312NO
(API #3004507842)

Source: (BRADENHEAD)
Pressure: 1 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 08/16/2016
Sampled By: JIMMIE BOWMAN
Foreman/Engr.: MICHELLE BENTSON

Remarks: W/O # 10382026

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	68.185	7.5060	0.00	0.6595
CO2	0.023	0.0040	0.00	0.0003
Methane	28.462	4.8280	287.46	0.1576
Ethane	1.970	0.5270	34.86	0.0205
Propane	0.478	0.1320	12.03	0.0073
Iso-Butane	0.112	0.0370	3.64	0.0022
N-Butane	0.138	0.0440	4.50	0.0028
I-Pentane	0.116	0.0420	4.64	0.0029
N-Pentane	0.066	0.0240	2.65	0.0016
Hexane Plus	0.450	0.2010	23.72	0.0149
Total	100.000	13.3450	373.50	0.8697

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0008
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 374.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 368.2
REAL SPECIFIC GRAVITY: 0.87

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

DRY BTU @ 14.650: 372.7
DRY BTU @ 14.696: 373.8
DRY BTU @ 14.730: 374.7
DRY BTU @ 15.025: 382.2

CYLINDER #: 6014
CYLINDER PRESSURE: PSIG
DATE RUN: 8/16/16 11:03 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: MANGUM SRC #1; BHD
Stn. No.: 37075-302
Mtr. No.: AM02343312NO

BRADENHEAD

08/16/2016
18300-26285

Smpl Date:	08/16/2016	05/06/2015	07/16/2014
Test Date:	08/16/2016	05/26/2015	07/21/2014
Run No:	CP160465	CP150223	CP140644
Nitrogen:	68.185	1.464	2.151
CO2:	0.023	0.102	0.136
Methane:	28.462	87.146	87.103
Ethane:	1.970	6.960	6.351
Propane:	0.478	2.603	2.379
I-Butane:	0.112	0.506	0.531
N-Butane:	0.138	0.567	0.531
I-Pentane:	0.116	0.277	0.299
N-Pentane:	0.066	0.100	0.116
Hexane+:	0.450	0.275	0.403
BTU:	374.7	1139.2	1130.1
GPM:	13.3450	18.1800	18.0980
SPG:	0.8700	0.6519	0.6540