

30-045-07554



OIL CONS. DIV DIST. 3

AUG 19 2016

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

 Analysis No: CP160461
 Cust No: 18300-27280

Well/Lease Information

 Customer Name: CONOCO PHILLIPS COMPANY
 Well Name: REDFERN 5; BHD
 County/State:
 Location: N10-28N-11W
 Field:
 Formation:
 Cust. Stn. No.: API# 3004507554

 Source: BRADENHEAD
 Pressure: 16 PSIG
 Sample Temp: DEG. F
 Well Flowing: N
 Date Sampled: 08/11/2016
 Sampled By: J. HUTCHINSON
 Foreman/Engr.:

Remarks: W/O 10391848

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	17.990	1.9840	0.00	0.1740
CO2	0.026	0.0040	0.00	0.0004
Methane	70.508	11.9800	712.13	0.3905
Ethane	4.814	1.2900	85.19	0.0500
Propane	3.227	0.8910	81.19	0.0491
Iso-Butane	0.983	0.3220	31.97	0.0197
N-Butane	1.291	0.4080	42.12	0.0259
I-Pentane	0.513	0.1880	20.52	0.0128
N-Pentane	0.307	0.1120	12.31	0.0076
Hexane Plus	0.341	0.1520	17.97	0.0113
Total	100.000	17.3310	1003.41	0.7414

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

 COMPRESSIBILITY FACTOR (1/Z): 1.0025
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1008.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 990.7
 REAL SPECIFIC GRAVITY: 0.743

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

 DRY BTU @ 14.650: 1002.7
 DRY BTU @ 14.696: 1005.9
 DRY BTU @ 14.730: 1008.2
 DRY BTU @ 15.025: 1028.4

 CYLINDER #: 4011
 CYLINDER PRESSURE: 12 PSIG
 DATE RUN: 8/12/16 1:59 PM
 ANALYSIS RUN BY: DAWN BLASSINGAME

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: REDFERN 5; BHD
Stn. No.:
Mtr. No.: API# 3004507554

BRADENHEAD

08/15/2016
18300-27280

Smpl Date:	08/11/2016	04/25/2016	09/02/2015
Test Date:	08/12/2016	04/26/2016	09/03/2015
Run No:	CP160461	CP160165	CP150485
Nitrogen:	17.990	0.823	0.773
CO2:	0.026	0.004	0.018
Methane:	70.508	91.306	91.345
Ethane:	4.814	4.775	5.179
Propane:	3.227	1.881	1.873
I-Butane:	0.983	0.362	0.322
N-Butane:	1.291	0.375	0.298
I-Pentane:	0.513	0.124	0.078
N-Pentane:	0.307	0.068	0.039
Hexane+:	0.341	0.282	0.075
BTU:	1008.2	1105.9	1095.5
GPM:	17.3310	17.8380	17.7910
SPG:	0.7430	0.6222	0.6151