



OIL CONS. DIV DIST. 3

SEP 09 2015

Redfern #5
API # 30-04S-07SS42030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP150485
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.:Source: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/02/2015
Sampled By: DAVID BIXLER
Foreman/Engr.: MIKE MEGORDAN

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.773	0.0850	0.00	0.0075
CO2	0.018	0.0030	0.00	0.0003
Methane	91.345	15.5210	922.59	0.5060
Ethane	5.179	1.3880	91.65	0.0538
Propane	1.873	0.5170	47.13	0.0285
Iso-Butane	0.322	0.1060	10.47	0.0065
N-Butane	0.298	0.0940	9.72	0.0060
I-Pentane	0.078	0.0290	3.12	0.0019
N-Pentane	0.039	0.0140	1.56	0.0010
Hexane Plus	0.075	0.0340	3.95	0.0025
Total	100.000	17.7910	1090.19	0.6138

* @ 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): 1095.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1076.4
REAL SPECIFIC GRAVITY: 0.6151GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1089.6
DRY BTU @ 14.696: 1093.0
DRY BTU @ 14.730: 1095.5
DRY BTU @ 15.025: 1117.4CYLINDER #: 6114
CYLINDER PRESSURE: 40 PSIG
DATE RUN: 9/3/15 12:54 PM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: REDFERN 5; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

09/03/2015
18300-27280

Smpl Date: 09/02/2015
Test Date: 09/03/2015
Run No: CP150485
Nitrogen: 0.773
CO2: 0.018
Methane: 91.345
Ethane: 5.179
Propane: 1.873
I-Butane: 0.322
N-Butane: 0.298
I-Pentane: 0.078
N-Pentane: 0.039
Hexane+: 0.075
BTU: 1095.5
GPM: 17.7910
SPG: 0.6151



OIL CONS. DIV DIST. 3

SEP 09 2015

Redfern #5
API # 30-045-07554
2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: CP150486
Cust No: 18300-27285

Well/Lease Information

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

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/02/2015
Sampled By: DAVID BIXLER
Foreman/Engr.: MIKE MEGORDAN

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.347	0.0380	0.00	0.0034
CO2	1.617	0.2770	0.00	0.0246
Methane	82.842	14.0880	836.70	0.4589
Ethane	8.386	2.2500	148.41	0.0871
Propane	3.413	0.9430	85.87	0.0520
Iso-Butane	0.660	0.2170	21.46	0.0132
N-Butane	0.945	0.2990	30.83	0.0190
I-Pentane	0.403	0.1480	16.12	0.0100
N-Pentane	0.282	0.1030	11.30	0.0070
Hexane Plus	1.105	0.4940	58.25	0.0366
Total	100.000	18.8570	1208.95	0.7117

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1215.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1194.7
REAL SPECIFIC GRAVITY: 0.7138

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

DRY BTU @ 14.650: 1209.3
DRY BTU @ 14.696: 1213.1
DRY BTU @ 14.730: 1215.9
DRY BTU @ 15.025: 1240.3

CYLINDER #: 5012
CYLINDER PRESSURE: PSIG
DATE RUN: 9/3/15 12:55 PM
ANALYSIS RUN BY: Kindra Anderson



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: REDFERN 5; CSG
Stn. No.:
Mtr. No.:

CASING

09/03/2015
18300-27285

Smpl Date: 09/02/2015
Test Date: 09/03/2015
Run No: CP150486

Nitrogen: 0.347
CO2: 1.617
Methane: 82.842
Ethane: 8.386
Propane: 3.413
I-Butane: 0.660
N-Butane: 0.945
I-Pentane: 0.403
N-Pentane: 0.282
Hexane+: 1.105

BTU: 1215.9
GPM: 18.8570
SPG: 0.7138