



San Juan Business Unit
P.O. Box 4289
Farmington, NM 87499-4289
(505) 326-9700

OIL CONS. DIV DIST. 3

SEP 15 2015

EMAIL/HARD COPY TO FOLLOW

September 14, 2015

Mr. Brandon Powell
Inspection and Enforcement Supervisor
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RE: Request Confirmation No Further Action is Required
TL Rhodes B1, API # 30-045-11777
Ohio 1E, API # 30-045-24406
Phillips 1E, API # 30-045-23993
Redfern 5, API # 30-045-07554

Dear Mr. Powell:

ConocoPhillips Company is requesting confirmation New Mexico Oil Conservation Division (OCD) is requiring no further action for TL Rhodes B 1, API # 30-045-11777, Ohio 1E, API # 30-045-24406, Phillips 1E, API # 30-045-23993 and Redfern 5, API # 30-045-07554.

As agreed during our meeting with OCD on December 2, 2014, ConocoPhillips Company has vented the bradenheads and monitored the bradenhead blowdown pressures of the aforementioned wells. A graph of these pressures was submitted to OCD in a letter addressed to Mr. Charlie Perrin on July 14, 2015. Attachment 1 to this letter contains this graph for OCD's convenience.

In addition, comparisons of gas analyses from bradenheads and the production strings of these wells indicate their wellbores have integrity. Attachment 2 to this letter contains these gas analyses for OCD's convenience.

At this time, ConocoPhillips Company believes we have fulfilled OCD's requirement to provide monitoring data and requests OCD confirm ConocoPhillips Company is required to take no further action on these wells.

Letter to Mr. Brandon Powell
RE: TL Rhodes B1, Ohio 1E,
Phillips 1E and Redfern 5
September 14, 2015
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Please contact me with any questions of if you need additional information.

Best Regards,

A handwritten signature in black ink, appearing to read "Lori Notor", with a horizontal line extending to the right.

Lori Notor
Regulatory Supervisor

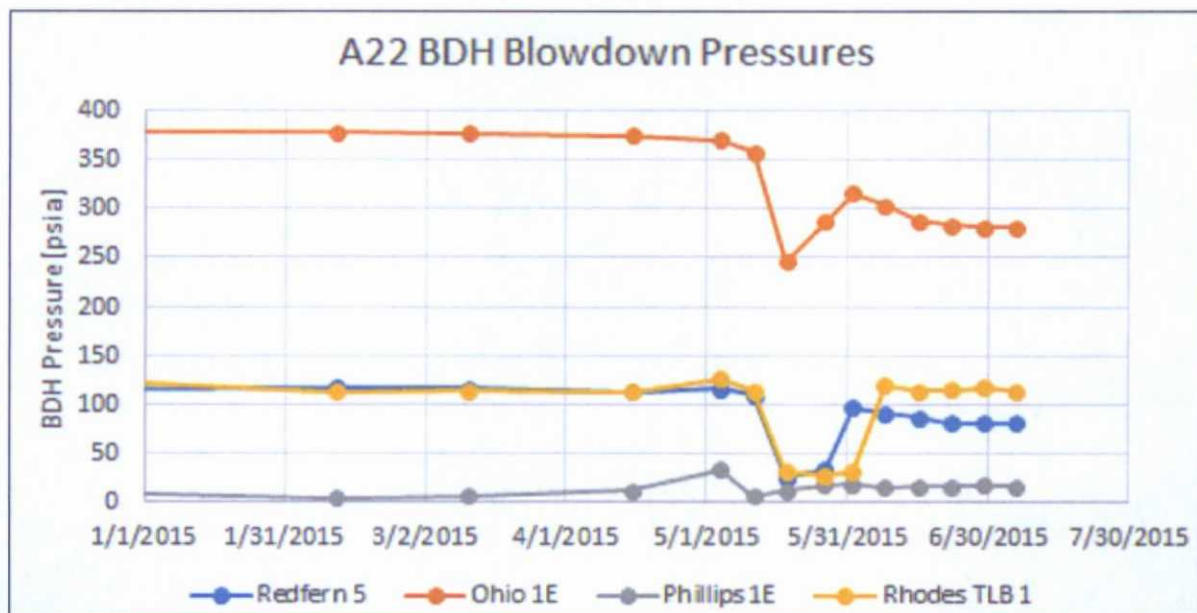
cc: Sharon Zubrod, Manger, Health, Safety, Environmental and Regulatory, San Juan Business
Unit

Letter to Mr. Brandon Powell
RE: TL Rhodes B1, Ohio 1E,
Phillips 1E and Redfern 5
September 14, 2015
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OIL CONS. DIV DIST. 3

SEP 15 2015

Attachment 1: Bradenhead Blowdown Pressures from Subject Wells



Letter to Mr. Brandon Powell
RE: TL Rhodes B1, Ohio 1E,
Phillips 1E and Redfern 5
September 14, 2015
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Attachment 2: Gas Analyses from Subject Wells



OIL CONS. DIV DIST. 3

SEP 15 2015

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP150488
Cust No: 18300-23670**Well/Lease Information**

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: RHODES TLB #1; CSG
County/State: SAN JUAN NM
Location: O20-28N-11W
Field:
Formation: DK/FC/PC
Cust. Stn. No.: 7545101
A723378SM

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

Remarks: THE SAMPLE CARD FOR THIS LOCATION WAS NOT FILLED OUT AT ALL.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.338	0.0370	0.00	0.0033
CO2	0.606	0.1040	0.00	0.0092
Methane	95.051	16.1470	960.01	0.5265
Ethane	2.614	0.7010	46.26	0.0271
Propane	0.818	0.2260	20.58	0.0125
Iso-Butane	0.163	0.0530	5.30	0.0033
N-Butane	0.176	0.0560	5.74	0.0035
I-Pentane	0.062	0.0230	2.48	0.0015
N-Pentane	0.035	0.0130	1.40	0.0009
Hexane Plus	0.137	0.0610	7.22	0.0045
Total	100.000	17.4210	1049.00	0.5923

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1053.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1035.6
REAL SPECIFIC GRAVITY: 0.5934

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

DRY BTU @ 14.650: 1048.2
DRY BTU @ 14.696: 1051.5
DRY BTU @ 14.730: 1053.9
DRY BTU @ 15.025: 1075.0

CYLINDER #: 4075
CYLINDER PRESSURE: 32 PSIG
DATE RUN: 9/3/15 12:59 PM
ANALYSIS RUN BY: Kindra Anderson



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: RHODES TLB #1; CSG
Stn. No.: 7545101
Mtr. No.: A723378SM

CASING
DK/FC/PC

09/03/2015
18300-23670

Smpl Date:	09/02/2015	08/14/2012
Test Date:	09/03/2015	08/16/2012
Run No:	CP150488	CP120659
Nitrogen:	0.338	0.229
CO2:	0.606	0.740
Methane:	95.051	95.654
Ethane:	2.614	2.134
Propane:	0.818	0.656
I-Butane:	0.163	0.127
N-Butane:	0.176	0.142
I-Pentane:	0.062	0.053
N-Pentane:	0.035	0.036
Hexane+:	0.137	0.229
BTU:	1053.9	1049.6
GPM:	17.4210	17.3750
SPG:	0.5934	0.5917



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

Analysis No: CP150487
Cust No: 18300-23605

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: RHODES TLB #1; BHD
County/State: SAN JUAN NM
Location: O20-28N-11W
Field:
Formation: DK/FRC/PC
Cust. Stn. No.: 75451-01
A723378SM

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	0.386	0.0430	0.00	0.0037
CO2	0.003	0.0010	0.00	0.0000
Methane	89.271	15.1710	901.64	0.4945
Ethane	6.496	1.7420	114.96	0.0674
Propane	2.537	0.7010	63.83	0.0386
Iso-Butane	0.429	0.1410	13.95	0.0086
N-Butane	0.522	0.1650	17.03	0.0105
I-Pentane	0.149	0.0550	5.96	0.0037
N-Pentane	0.092	0.0330	3.69	0.0023
Hexane Plus	0.115	0.0510	6.06	0.0038
Total	100.000	18.1030	1127.12	0.6332

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1132.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1113.1
REAL SPECIFIC GRAVITY: 0.6347

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

DRY BTU @ 14.650: 1126.6
DRY BTU @ 14.696: 1130.2
DRY BTU @ 14.730: 1132.8
DRY BTU @ 15.025: 1155.5

CYLINDER #: 6162
CYLINDER PRESSURE: 72 PSIG
DATE RUN: 9/3/15 12:56 PM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: RHODES TLB #1; BHD
Stn. No.: 75451-01
Mtr. No.: A723378SM

BRADENHEAD
DK/FRC/PC

09/03/2015
18300-23605

Smpl Date:	09/02/2015	07/25/2012
Test Date:	09/03/2015	07/31/2012
Run No:	CP150487	CP120637
Nitrogen:	0.386	0.473
CO2:	0.003	0.003
Methane:	89.271	88.445
Ethane:	6.496	6.550
Propane:	2.537	2.716
I-Butane:	0.429	0.512
N-Butane:	0.522	0.651
I-Pentane:	0.149	0.231
N-Pentane:	0.092	0.160
Hexane+:	0.115	0.259
BTU:	1132.8	1150.6
GPM:	18.1030	18.2240
SPG:	0.6347	0.6471



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

Analysis No: CP150484
Cust No: 18300-23665

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: OHIO #1E; CSG
County/State: SAN JUAN NM
Location: G22-28N-11W
Field:
Formation: DK
Cust. Stn. No.: 06733078
A706260SM

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/01/2015
Sampled By: DAVID BIXLER
Foreman/Engr.: MIKE MEGORDAN

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.345	0.0380	0.00	0.0033
CO2	1.603	0.2750	0.00	0.0244
Methane	78.148	13.2980	789.29	0.4329
Ethane	10.459	2.8080	185.09	0.1086
Propane	4.695	1.2980	118.13	0.0715
Iso-Butane	0.830	0.2730	26.99	0.0167
N-Butane	1.532	0.4850	49.98	0.0307
I-Pentane	0.638	0.2340	25.53	0.0159
N-Pentane	0.557	0.2030	22.33	0.0139
Hexane Plus	1.193	0.5340	62.88	0.0395
Total	100.000	19.4460	1280.23	0.7573

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1288.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1265.8
REAL SPECIFIC GRAVITY: 0.7599

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

DRY BTU @ 14.650: 1281.2
DRY BTU @ 14.696: 1285.2
DRY BTU @ 14.730: 1288.2
DRY BTU @ 15.025: 1314.0

CYLINDER #: 4163
CYLINDER PRESSURE: 50 PSIG
DATE RUN: 9/3/15 12:53 PM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: OHIO #1E; CSG
Stn. No.: 06733078
Mtr. No.: A706260SM

CASING
DK

09/03/2015
18300-23665

Smpl Date:	09/01/2015	08/14/2012
Test Date:	09/03/2015	08/16/2012
Run No:	CP150484	CP120658
Nitrogen:	0.345	0.336
CO2:	1.603	1.607
Methane:	78.148	78.704
Ethane:	10.459	10.198
Propane:	4.695	4.469
I-Butane:	0.830	0.815
N-Butane:	1.532	1.541
I-Pentane:	0.638	0.616
N-Pentane:	0.557	0.542
Hexane+:	1.193	1.172
BTU:	1288.2	1280.7
GPM:	19.4460	19.3800
SPG:	0.7599	0.7551



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

Analysis No: CP150483
Cust No: 18300-23595

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: OHIO 1E; BHD
County/State: SAN JUAN NM
Location: G22-28N-11W
Field:
Formation: DK
Cust. Stn. No.: 06733078
A706260SM

Source: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/01/2015
Sampled By: DAVID BIXLER
Foreman/Engr.: MIKE MEGORDAN

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.279	0.0310	0.00	0.0027
CO2	0.033	0.0060	0.00	0.0005
Methane	88.983	15.1240	898.73	0.4929
Ethane	6.379	1.7100	112.89	0.0662
Propane	2.549	0.7040	64.14	0.0388
Iso-Butane	0.442	0.1450	14.37	0.0089
N-Butane	0.600	0.1900	19.57	0.0120
I-Pentane	0.210	0.0770	8.40	0.0052
N-Pentane	0.141	0.0510	5.65	0.0035
Hexane Plus	0.384	0.1720	20.24	0.0127
Total	100.000	18.2100	1144.00	0.6435

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1149.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1129.9
REAL SPECIFIC GRAVITY: 0.645

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

DRY BTU @ 14.650: 1143.7
DRY BTU @ 14.696: 1147.2
DRY BTU @ 14.730: 1149.9
DRY BTU @ 15.025: 1172.9

CYLINDER #: 7048
CYLINDER PRESSURE: PSIG
DATE RUN: 9/3/15 12:51 PM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: OHIO 1E; BHD
Stn. No.: 06733078
Mtr. No.: A706260SM

BRADENHEAD
DK

09/03/2015
18300-23595

Smpl Date:	09/01/2015	07/26/2012
Test Date:	09/03/2015	07/31/2012
Run No:	CP150483	CP120635
Nitrogen:	0.279	0.301
CO2:	0.033	0.002
Methane:	88.983	88.826
Ethane:	6.379	6.659
Propane:	2.549	2.614
I-Butane:	0.442	0.456
N-Butane:	0.600	0.602
I-Pentane:	0.210	0.199
N-Pentane:	0.141	0.130
Hexane+:	0.384	0.211
BTU:	1149.9	1145.4
GPM:	18.2100	18.1910
SPG:	0.6450	0.6418



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

Analysis No: CP150482
Cust No: 18300-23660

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: PHILLIPS #1E
County/State: SAN JUAN NM
Location:
Field:
Formation: DK
Cust. Str. No.: 06733007
9268733

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	0.442	0.0490	0.00	0.0043
CO2	1.324	0.2270	0.00	0.0201
Methane	78.912	13.4350	797.01	0.4371
Ethane	8.161	2.1920	144.42	0.0847
Propane	3.685	1.0200	92.72	0.0561
Iso-Butane	0.983	0.3230	31.97	0.0197
N-Butane	1.796	0.5690	58.59	0.0360
I-Pentane	1.240	0.4550	49.61	0.0309
N-Pentane	1.127	0.4100	45.18	0.0281
Hexane Plus	2.330	1.0430	122.81	0.0771
Total	100.000	19.7230	1342.31	0.7942

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0045
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1351.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1328.0
REAL SPECIFIC GRAVITY: 0.7974

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

DRY BTU @ 14.650: 1344.2
DRY BTU @ 14.696: 1348.4
DRY BTU @ 14.730: 1351.5
DRY BTU @ 15.025: 1378.6

CYLINDER #: 7004
CYLINDER PRESSURE: 52 PSIG
DATE RUN: 9/3/15 12:49 PM
ANALYSIS RUN BY: Kindra Anderson



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: PHILLIPS #1E
Stn. No.: 06733007
Mtr. No.: 9268733

CASING
DK

09/03/2015
18300-23660

Smpl Date:	09/02/2015	10/29/2013	04/24/2013	08/14/2012
Test Date:	09/03/2015	11/05/2013	05/07/2013	08/16/2012
Run No:	CP150482	CP130801	CP130371	CP120657
Nitrogen:	0.442	0.311	0.328	0.344
CO2:	1.324	1.581	1.560	1.560
Methane:	78.912	82.056	82.785	82.082
Ethane:	8.161	8.710	8.628	7.948
Propane:	3.685	3.439	3.234	3.034
I-Butane:	0.983	0.737	0.675	0.688
N-Butane:	1.796	1.069	0.935	1.053
I-Pentane:	1.240	0.493	0.423	0.664
N-Pentane:	1.127	0.364	0.300	0.573
Hexane+:	2.330	1.240	1.132	2.054
BTU:	1351.5	1235.2	1218.2	1268.3
GPM:	19.7230	18.9990	18.8790	19.1730
SPG:	0.7974	0.7253	0.7142	0.7467



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

Analysis No: CP150481
Cust No: 18300-23600

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: PHILLIPS 1E; BHD
County/State: SAN JUAN NM
Location: B16-28N-11W
Field:
Formation: DK
Cust. Stn. No.: 06733007
A706265SM

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: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.844	0.0930	0.00	0.0082
CO2	0.034	0.0060	0.00	0.0005
Methane	90.641	15.4020	915.47	0.5021
Ethane	5.111	1.3700	90.45	0.0531
Propane	2.024	0.5590	50.93	0.0308
Iso-Butane	0.388	0.1270	12.62	0.0078
N-Butane	0.448	0.1420	14.62	0.0090
I-Pentane	0.152	0.0560	6.08	0.0038
N-Pentane	0.092	0.0330	3.69	0.0023
Hexane Plus	0.266	0.1190	14.02	0.0088
Total	100.000	17.9070	1107.87	0.6263

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1113.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1093.9
REAL SPECIFIC GRAVITY: 0.6277

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

DRY BTU @ 14.650: 1107.3
DRY BTU @ 14.696: 1110.7
DRY BTU @ 14.730: 1113.3
DRY BTU @ 15.025: 1135.6

CYLINDER #: 6184
CYLINDER PRESSURE: PSIG
DATE RUN: 9/3/15 12:48 PM
ANALYSIS RUN BY: JENNIFER DEAN



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: PHILLIPS 1E; BHD
Stn. No.: 06733007
Mtr. No.: A706265SM

BRADENHEAD
DK

09/03/2015
18300-23600

Smpl Date:	09/02/2015	07/25/2012
Test Date:	09/03/2015	07/31/2012
Run No:	CP150481	CP120636
Nitrogen:	0.844	0.935
CO2:	0.034	0.017
Methane:	90.641	90.083
Ethane:	5.111	5.681
Propane:	2.024	2.069
I-Butane:	0.388	0.353
N-Butane:	0.448	0.436
I-Pentane:	0.152	0.138
N-Pentane:	0.092	0.085
Hexane+:	0.266	0.203
BTU:	1113.3	1113.2
GPM:	17.9070	17.9350
SPG:	0.6277	0.6282



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



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

Analysis 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. Str. 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: 0.6151

GPM, 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: 1117.4

CYLINDER #: 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