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Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 16 2013

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Farmington Field Office
Bureau of Land Management

Lease Serial No.
SF-078049-A

1a. Type of Well: Oil Well Gas Well Dry Other

b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Reserv.

2. Name of Operator: **ConocoPhillips Company**

3. Address: **PO Box 4289, Farmington, NM 87499**

3a. Phone No. (include area code): **(505) 326-9700**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: **Unit K (NESW), 2363' FSL, 1694' FWL,**

At top prod. interval reported below: **Unit K (NESW), 2159' FSL & 1688' FWL**

At total depth: **Unit I (NESW), 2159' FSL & 1688' FWL**

14. Date Spudded: **1/17/2013**

15. Date T.D. Reached: **2/22/2013**

16. Date Completed: D & A Ready to Prod.

GRS: **5/3/2013**

17. Elevations (DF, RKB, RT, GL)*
6399' GL ; 6414' KB

18. Total Depth: MD **7470'** TVD **7453'**

19. Plug Back T.D.: MD **7463'** TVD **7446'**

20. Depth Bridge Plug Set: MD **7463'** TVD **7446'**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): **GR/CCL/CBL**

22. Was well cored? No Yes (Submit analysis)

Was DST run? No Yes (Submit report)

Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	229'	n/a	106 sx premium Lite	30 bbls	Surface	1/4 bbl
8 3/4"	7" / J-55	23#	0	3241	2654	444 sx Premium Lite	168 bbls	Surface	74 bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7464	n/a	300 sx Premium Lite	107 bbls	2300'	n/a

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8", 4.7#, J-55	7345'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	7276	7380	1 spf	.34"	28	open
B) Dakota	7400	7444	2 spf	.34"	26	open
C)						
D) Total MV Perfs					54	

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
7266' - 7444'	Acid - 10 bbls 15% HCL; Frac - 39,522 gal 70% slickwater N2 foam w/2,369,500 scf N2 and 40,068# 20/40 Brady Sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/3/13 GRS	5/6/2013	1hr.	→	0	51 mcfh	1 bwph			
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	449 psi SI	422 psi	→	0	1228 mcfh	24 bwph		SI waiting on ND C104	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

*(See instructions and spaces for additional data on page 2)

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FARMINGTON FIELD OFFICE
BY William Tambekou

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

TO BE SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo	1928'	2094'	White, cr-gr ss	Ojo Alamo	1928'
Kirtland	2094'	2687'	Gry sh interbedded w/tight, gry, fine-gr ss. Lk gry-gry carb sn, coal, grn silts, ligni-mieu gry, tight, fine gr ss.	Kirtland	2094'
Fruitland	2687'	2973'	Bn-Gry, fine gm, tight ss.	Fruitland	2687'
Pictured Cliffs	2973'	3146'	Shale w/ siltstone stingers	Pictured Cliffs	2973'
Lewis	3146'	3396'	White, waxy chalky bentonite	Lewis	3146'
Huerfanito Bentonite	3568'	n/a	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Huerfanito Bentonite	3568'
Chacra	3940'	4310'	Light gry, med-fine gr ss, carb sh & coal	Chacra	3940'
Mesa Verde	4310'	4727'	Med-dark gry, fine gr ss, carb sh & coal	Mesa Verde	4310'
Menefee	4727'	5208'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Menefee	4727'
Point Lookout	5208'	5683'	Dark gry carb sh.	Point Lookout	5208'
Mancos	5683'	6415'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Mancos	5683'
Gallup	6415'	7163'	Highly calc gry sh w/ thin lmst.	Gallup	6415'
Greenhorn	7163'	7222'	Dk gry shale, fossil & carb w/ pyrite incl.	Greenhorn	7163'
Graneros	7222'	7263'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands clay shale breaks	Graneros	7222'
Dakota	7263'		interbed gm, brn & red waxy sh & fine to coard gm s	Dakota	7263'
Morrison				Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3343AZ

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*.

Name (please print) Patsy Clugston Title Staff Regulatory Tech.
 Signature *Patsy Clugston* Date 5/15/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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At top prod. interval reported below: **Unit K (NESW), 2159' FSL & 1688' FWL**
At total depth: **Unit I (NESW), 2159' FSL & 1688' FWL**

6. If Indian, Allottee or Tribe Name: _____

7. Unit or CA Agreement Name and No.: **Report To Lease**

8. Lease Name and Well No.: **HARDIE 2N**

9. API Well No.: **30-045-35070 -0002**

10. Field and Pool or Exploratory: **Blanco Mesaverde**

11. Sec., T., R., M., on Block and Survey or SURFACE: **SEC. 28, T29N, R8W**

12. County or Parish: **San Juan** 13. State: **New Mexico**

14. Date Spudded: **1/17/2013** 15. Date T.D. Reached: **2/22/2013** 16. Date Completed: D & A Ready to Prod. GRS: **5/3/2013**

17. Elevations (DF, RKB, RT, GL)*: **6399' GL ; 6414' KB**

18. Total Depth: MD **7470'** TVD **7453'** 19. Plug Back T.D.: MD **7463'** TVD **7446'** 20. Depth Bridge Plug Set: MD _____ TVD _____

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): **GR/CCL/CBL**

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	229'	n/a	106 sx premium Lite	30 bbls	Surface	1/4 bbl
8 3/4"	7" / J-55	23#	0	3241	2654	444 sx Premium Lite	168 bbls	Surface	74 bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7464	n/a	300 sx Premium Lite	107 bbls	2300'	n/a

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8", 4.7#, J-55	7345'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pt Lookout	5198	5386	1 spf	.34"	25	open
B) Menefee	4764	5130	1 spf	.34"	25	open
C) Cliffhouse	4620	4724	1 spf	.34"	25	open
D) total holes					75	

26. Perforation Record

Depth Interval	Amount and Type of Material
5198 - 5386	Acid - 10 bbls 15% HCL; Frac - 40,950 gal 70% Slickwater N2 foam w/1,481,600 scf N2 & 100,123# 20/40 Brady Sand
4764 - 5130	Acid - 10 bbls 15% HCL; Frac - 26,544 gal 70% Slickwater N2 foam w/1,212,300 scf N2 & 49,996# 20/40 Brady Sand
4620 - 4724	Acid - 10 bbls 15% HCL; Frac - 34,146 gal 70% Slickwater N2 foam w/1,222,100 scf N2 & 100,273# 20/40 Brady Sand

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/3/13 GRS	5/6/2013	1hr.	→	0	31 mcfh	1 bwph			
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	449 psi SI	SI 422 psi	→	0	752 mcfh	24 bwph		SI waiting on ND C104	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

*(See instructions and spaces for additional data on page 2)

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FARMINGTON FIELD OFFICE
BY William Tambekou

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

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30. Summary of Porous Zones (Include Aquifers):

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Morrison			interbed gm, brn & red waxy sh & fine to coard gm s	Morrison	

32. Additional remarks (include plugging procedure):

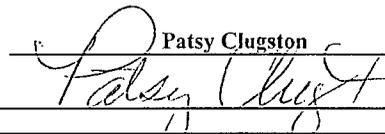
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 Core Analysis
 Other:

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Name (please print)

Patsy Clugston


Title

Staff Regulatory Tech.

Signature

Date

5/15/2013

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