Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP 25 2012
Farmington Field Office
Bureau of Land Management

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No: SF-078097

1a Type of Well: [ ] Oil Well [X] Gas Well [ ] Dry [ ] Other
b Type of Completion: [X] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff Resvr,
Other.

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No.

2 Name of Operator: ConocoPhillips Company

8. Lease Name and Well No: Heaton LS 4M

3 Address: PO Box 4289, Farmington, NM 87499

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

9 API Well No: 30-045-35338

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

At surface: UNIT B (NW/NE), 579' FNL & 1397' FEL

10. Field and Pool or Exploratory: BASIN DK

11. Sec, T, R, M., on Block and Survey: SURFACE: SEC: 32, T31N, R11W
BOTTOM: SEC: 29, T31N, R11W

At top prod Interval reported below: UNIT P (SE/SE), 716' FSL & 735' FEL

At total depth: UNIT P (SE/SE), 716' FSL & 735' FEL

12. County or Parish: San Juan

13 State: New Mexico

14 Date Spudded: 6/28/2012

15. Date T D. Reached: 7/20/2012

16 Date Completed: [ ] D & A [X] Ready to Prod 9/11/2012 GRC

17 Elevations (DF, RKB, RT, GL)*: 5894' GL / 5909' KB

18 Total Depth: MD 7445' TVD 7150'

19. Plug Back T D: MD 7414' TVD 7119'

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? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [ ] No [X] 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	76sx-Pre-mix	22bbls	Surface	7bbls
8 3/4"	7" / J-55	23#	0	4717'	n/a	601sx-Premuim Lite	216bbls	250'	n/a
6 1/4"	4 1/2" / L-80	11.6#	0	7435'	n/a	215sx-Premuim Lite	78bbls	4200'	n/a

BLM OCT 2 12
OIL CONS. DIV.
DIST. 3

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#, L-80	7311'	n/a						

25. Producing Intervals

26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A)	Dakota	7150'	7256'	1SPF	.34"	23	open
B)	Dakota	7264'	7314'	2SPF	.34"	24	open
C)							
D)	TOTAL HOLES					47	

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

Depth Interval	Amount and Type of Material
7150' - 7314'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 40,614gals 70% Foam Slickwater pad w/ 39,576# of 20/40 Brown sand. Total N2:2,142,000SCF.

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
9/11/2012 GRC	9/12/2012	1hr.	→	n/a /boph	37 /mcf/h	trace/bwph	n/a	n/a	FLOWING
Choke Size	**Tbg Press Flwg**	**Csg Press**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
1/2"	SI-640psi	SI-562psi	→	n/a/bopd	888/mcf/d	12/ bwpd	n/a	SHUT IN	

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 SI**	**Csg Press**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
			→						

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

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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	840'	964'	White, cr-gr ss	Ojo Alamo	840'
Kirtland	964'	2088'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	964'
Fruitland	2088'	2568'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	2088'
Pictured Cliffs	2568'	2752'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2568'
Lewis	2752'	3380'	Shale w/ siltstone stringers	Lewis	2752'
Huerfanito Bentonite	3380'	3757'	White, waxy chalky bentonite	Huerfanito Bentonite	3380'
Chacra	3757'	4246'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3757'
Mesa Verde	4246'	4502'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4246'
Menefee	4502'	5016'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4502'
Point Lookout	5016'	5486'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5016'
Mancos	5486'	6304'	Dark gry carb sh.	Mancos	5486'
Gallup	6304'	7038'	Lt gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg interbed sh	Gallup	6304'
Greenhorn	7038'	7094'	Highly calc gry sh w/ thin lmst	Greenhorn	7038'
Graneros	7094'	7150'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7094'
Dakota	7150'	7910'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7150'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure)

This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.

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

[X] 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)* Arleen Kellywood Title Staff Regulatory Tech.

Signature Arleen Kellywood Date 9/25/12

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.

(Continued on page 3)

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b Type of Completion: [X] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff Resvr.
Other

6 If Indian, Allottee or Tribe Name

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2 Name of Operator: **ConocoPhillips Company**

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

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

9 API Well No: **30-045-35338**

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

At surface: **UNIT B (NW/NE), 579' FNL & 1397' FEL**

10 Field and Pool or Exploratory: **BLANCO MV**

11 Sec., T., R., M., on Block and Survey: **SURFACE: SEC: 32, T31N, R11W**
BOTTOM: SEC: 29, T31N, R11W

At top prod Interval reported below: **UNIT P (SE/SE), 716' FSL & 735' FEL**

12 County or Parish: **San Juan**

13 State: **New Mexico**

At total depth: **UNIT P (SE/SE), 716' FSL & 735' FEL**

14 Date Spudded: **6/28/2012**

15 Date T.D. Reached: **7/20/2012**

16 Date Completed: [ ] D & A [X] Ready to Prod **9/11/2012 GRC**

17 Elevations (DF, RKB, RT, GL)*: **5894' GL / 5909' KB**

18 Total Depth: MD **7445'** TVD **7150'**

19 Plug Back T.D.: MD **7414'** TVD **7119'**

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? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [ ] No [X] 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
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8 3/4"	7" / J-55	23#	0	4717'	n/a	601sx-Premuim Lite	216bbls	250'	n/a
6 1/4"	4 1/2" / L-80	11.6#	0	7435'	n/a	215sx-Premuim Lite	78bbls	4200'	n/a

RCVD OCT 3 '12
OIL CONS. DIV.
DIST. 3

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#, L-80	7311'	n/a						

25 Producing Intervals / 26 Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Point Lookout	5020'	5432'	1SPF	.34"	23	open
B)	Menefee	4710'	4970'	1SPF	.34"	15	open
C)							
D)	TOTAL HOLES					38	

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
5020' - 5432'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 38,976gals 70% Quality N2 Slickwater w/ 102,292# of 20/40 Brown sand. Total N2:1,226,000SCF.
4710' - 4970'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 35,028gals 70% Quality N2 Slickfoam w/ 91,463# of 20/40 Brown sand. Total N2:1,078,000SCF.

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
9/11/2012 GRC	9/12/2012	1hr.	→	n/a /boph	33 /mcf/h	1.21/bwph	n/a	n/a	FLOWING

Choke Size	Tbg. Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
1/2"	SI-640psi	SI-562psi	→	n/a/bopd	797/mcf/d	29/ bwpd	n/a	SHUT IN

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 SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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

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BY _____

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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

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Chacra	3757'	4246'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3757'
Mesa Verde	4246'	4502'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4246'
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Dakota	7150'	7910'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7150'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

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This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.

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