

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 16 2012

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Farmington Field Office5. Lease Serial No.
SF-0780971a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Heaton LS 1M

2. Name of Operator

ConocoPhillips Company

3. Address

PO Box 4289, Farmington, NM 87499

3a. Phone No. (include area code)

(505) 326-9700

9. API Well No.

30-045-35337-0001

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

At surface

UNIT O (SW/SE), 625' FSL & 1308' FEL

At top prod. Interval reported below

UNIT P (SE/SE), 724' FSL & 692' FEL

At total depth

UNIT P (SE/SE), 724' FSL & 692' FEL

14. Date Spudded

9/6/2012

15. Date T.D. Reached

9/28/2012

16. Date Completed

☐ D & A☒ Ready to Prod. 10/31/12 GRS

17. Elevations (DF, RKB, RT, GL)*

5880' GL / 5895' KB

18. Total Depth:

MD

7143'

TVD

7047'

19. Plug Back T.D.:

MD

7133'

TVD

7037'

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	230'	n/a	76sx-Type I-II	22bbls	Surface	8bbls
8 3/4"	7" / J-55	23#	0	4499'	n/a	576sx-Premium Lite	204bbls	Surface	55bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7135'	n/a	202sx-Premium Lite	73bbls	3700'	n/a

RCVD NOV 28 '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	7031'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	6960'	7068'	1SPF	.34"	36	open
B) Dakota	7078'	7106'	2SPF	.34"	20	open
C) Total					56	
D)						

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

Depth Interval	Amount and Type of Material
6960' - 7106'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 40,530gals w/ 40,008# of 20/40 Arizona sand. Pumped 107bbls of fluid. Total N2:2,114,000SCF.

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
10/31/2012 GRS	11/5/2012	1hr.	STARTING	0/boph	24/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-617psi	SI-522psi	STARTING	0/bopd	584/mcf/d	4/ 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
			STARTING						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		STARTING						

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

ACCEPTED FOR RECORD

NOV 26 2012

FARMINGTON FIELD OFFICE
BY T. Salyers

NMOC

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	824'	878'	White, cr-gr ss	Ojo Alamo	824'
Kirtland	878'	2063'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	878'
Fruitland	2063'	2503'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2063'
Pictured Cliffs	2503'	2644'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2503'
Lewis	2644'	3258'	Shale w/ siltstone stringers	Lewis	2644'
Huerfano Bentonite	3258'	3598'	White, waxy chalky bentonite	Huerfano Bentonite	3258'
Chacra	3598'	0	Gry fin grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3598'
Mesa Verde		4344'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	0
Menefee	4344'	4819'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4344'
Point Lookout	4819'	5194'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4819'
Mancos	5194'	6099'	Dark gry carb sh.	Mancos	5194'
Gallup	6099'	6853'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6099'
Greenhorn	6853'	6907'	Highly calc gry sh w/ thin lmst.	Greenhorn	6853'
Graneros	6907'	6959'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6907'
Dakota	6959'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6959'
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 DHC3717AZ.

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)

Arleen Kellywood

Title

Staff Regulatory Tech.

Signature

Arleen Kellywood

Date

11/16/12

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG NOV 16 2012

1a. Type of Well		<input type="checkbox"/> Oil Well	<input checked="" type="checkbox"/> Gas Well	<input type="checkbox"/> Dry	<input type="checkbox"/> Other				
b. Type of Completion:		<input checked="" type="checkbox"/> New Well	<input type="checkbox"/> Work Over	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back				
Other: _____									
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 O (SW/SE), 625' FSL & 1308' FEL At top prod. Interval reported below UNIT P (SE/SE), 724' FSL & 692' FEL At total depth UNIT P (SE/SE), 724' FSL & 692' FEL									
14. Date Spudded 9/6/2012		15. Date T.D. Reached 9/28/2012		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/30/12 GRS					
18. Total Depth: MD 7143' TVD 7047'		19. Plug Back T.D.: MD 7133' TVD 7037'		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? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	230'	n/a	76sx-Type I-II	22bbls	Surface	8bbls
8 3/4"	7" / J-55	23#	0	4499'	n/a	576sx-Premium Lite	204bbls	Surface	55bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7135'	n/a	202sx-Premium Lite	73bbls	3700'	n/a
24. Tubing Record						RCVD NOV 28 '12 OIL CONS. DIV. DIST. 3			
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	7031'	n/a							
25. Producing Intervals						26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Point Lookout	4821'	5099'	ISPF	.34"	25	open			
B) Menefee	4499'	4756'	ISPF	.34"	25	open			
C) Total					50				
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
4821' - 5099'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 37,842gal 70Q N2 Slick Water w/ 100,034# of 20/40 Arizona sand. Pumped 75bbls of fluid. Total N2:1,258,000SCF.							
4499' - 4756'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 24,738gal 70Q N2 Slick Water w/ 43,309# of 20/40 Arizona sand. Pumped 69bbls of fluid. Total N2:995,000SCF.							
28. Production - Interval A									
Date First Produced 10/30/2012 GRS	Test Date 11/5/2012	Hours Tested 1hr.	Test Production 0/24hr	Oil BBL 0/boph	Gas MCF 34/mcf/h	Water BBL trace/bwph	Oil Gravity n/a	Gas Gravity n/a	Production Method FLOWING
Choke Size 1/2"	Tbg. Press. SI-617psi	Csg. Press. SI-522psi	24 Hr. Rate 0/24hr	Oil BBL 0/bopd	Gas MCF 806/mcf/d	Water BBL 6/ bwpd	Gas/Oil Ratio n/a	Well Status 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
			0/24hr						
Choke Size SI	Tbg. Press. SI	Csg. Press.	24 Hr. Rate 0/24hr	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

ACCEPTED FOR RECORD

NOV 26 2012

NMOCD

FARMINGTON FIELD OFFICE
BY T. Salyers

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	824'	878'	White, cr-gr ss	Ojo Alamo	824'
Kirtland	878'	2063'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	878'
Fruitland	2063'	2503'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2063'
Pictured Cliffs	2503'	2644'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2503'
Lewis	2644'	3258'	Shale w/ siltstone stringers	Lewis	2644'
Huerfano Bentonite	3258'	3598'	White, waxy chalky bentonite	Huerfano Bentonite	3258'
Chacra	3598'	0	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3598'
Mesa Verde		4344'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	0
Menefee	4344'	4819'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4344'
Point Lookout	4819'	5194'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4819'
Mancos	5194'	6099'	Dark gry carb sh.	Mancos	5194'
Gallup	6099'	6853'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6099'
Greenhorn	6853'	6907'	Highly calc gry sh w/ thin lmst.	Greenhorn	6853'
Graneros	6907'	6959'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6907'
Dakota	6959'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6959'
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 DHC3717AZ.

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)

Arleen Kellywood

Title

Staff Regulatory Tech.

Signature

Arleen Kellywood

Date

11/16/12

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.