

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 16 2012

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Farmington Field Office

5. Lease Serial No. SF-078097

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

6. Indian, Allottee or Tribe Name

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

7. Unit or CA Agreement Name and No. **Report to lease**

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

8. Lease Name and Well No. **Heaton LS 1M**

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**

10. Field and Pool or Exploratory **Basin Dakota**

At top prod. Interval reported below: **UNIT P (SE/SE), 724' FSL & 692' FEL**

11. Sec., T., R., M., on Block and Survey
SURFACE: SEC: 28, T31N, R11W
BOTTOM: SEC: 28, T31N, R11W

At total depth: **UNIT P (SE/SE), 724' FSL & 692' FEL**

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

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 **7133'** TVD **7037'**

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	22bbbs	Surface	8bbbs
8 3/4"	7" / J-55	23#	0	4499'	n/a	576sx-Premium Lite	204bbbs	Surface	55bbbs
6 1/4"	4 1/2" / L-80	11.6#	0	7135'	n/a	202sx-Premium Lite	73bbbs	3700'	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#, L-80	7031'	n/a						

25. Producing Intervals

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

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

Depth Interval	Amount and Type of Material
6960' - 7106'	Acidize w/ 10bbbs of 15% HCL. Frac'd w/ 40,530gals w/ 40,008# of 20/40 Arizona sand. Pumped 107bbbs 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.	0 bopd	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	0/bopd	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
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 T. Solvers

PC

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.

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'
Huerfanito Bentonite	3258'	3598'	White, waxy chalky bentonite	Huerfanito 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 gr ss w/ irreg. interbed sh.	Gallup	6099'
Greenhorn	6853'	6907'	Highly calc gry sh w/ thin linst.	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.

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6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. Report to lease

8. Lease Name and Well No. Heaton LS 1M

9. API Well No. 30-045-35337-0002

10. Field and Pool or Exploratory Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey SURFACE: SEC: 28, T31N, R11W BOTTOM: SEC: 28, T31N, R11W

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

17. Elevations (DF, RKB, RT, GL)* 5880' GL / 5895' KB

14. Date Spudded 9/6/2012 15. Date T.D. Reached 9/28/2012 16. Date Completed D & A 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? 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

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) 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	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/30/2012 GRS	11/5/2012	1hr.	→	0/boph	34/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	→	0/bopd	806/mcf/d	6/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.	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 T. Salyers

PC

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):

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'	824'
Kirtland	878'	2063'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	878'	878'
Fruitland	2063'	2503'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2063'	2063'
Pictured Cliffs	2503'	2644'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2503'	2503'
Lewis	2644'	3258'	Shale w/ siltstone stingers	Lewis	2644'	2644'
Huerfanito Bentonite	3258'	3598'	White, waxy chalky bentonite	Huerfanito Bentonite	3258'	3258'
Chacra	3598'	0	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3598'	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'	4344'
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Graneros	6907'	6959'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6907'	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'	6959'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison		

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Name (please print)

Arleen Kellywood

Title

Staff Regulatory Tech.

Signature

Arleen Kellywood

Date

11/16/12

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