

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

MAR 25 2013

5. Lease Serial No.

SF-078840

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐ Plug Back  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ DeepenFarmington Field Office  
Bureau of Land Management  
Indian, Allottee or Tribe Name  
NMNM-78413C-DK

Other:

7. Unit or CA Agreement Name and No.  
SAN JUAN 28-7 UNIT

2. Name of Operator

ConocoPhillips Company

8. Lease Name and Well No.

San Juan 28-7 Unit 113N

3. Address

PO Box 4289, Farmington, NM 87499

3a. Phone No. (include area code)

(505) 326-9700

9. API Well No.

30-039-31146-0001

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

At surface

UNIT O (SW/SE), 1020' FSL &amp; 1675' FEL

10. Field and Pool or Exploratory

Basin Dakota

11. Sec., T., R., M., on Block and Survey

SURFACE: SEC: 18, T27N, R7W

BOTTOM: SEC: 18, T27N, R7W

12. County or Parish

Rio Arriba

13. State

New Mexico

At total depth

UNIT I (NE/SE), 1970' FSL &amp; 971' FEL

14. Date Spudded

12/3/2012

15. Date T.D. Reached

1/7/2013

16. Date Completed

☐ D & A☒ Ready to Prod. 02/28/2013 GRC

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

6577' GL / 6592' KB

18. Total Depth:

MD

7722'

TVD

7516'

19. Plug Back T.D.:

MD

7698'

TVD

7492'

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric &amp; 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	350'	n/a	116sx-Pre-mix	33bbls	Surface	1/4bbls
8 3/4"	7" / J-55	23#	0	5047'	n/a	697sx-Premium Lite	251bbls	Surface	70bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7712'	n/a	204sx-Premium Lite	74bbls	4050'	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	7591'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	7504'	7622'	1SPF	.34"	32	open
B) Dakota	7632'	7686'	2SPF	.34"	28	open
C) Total					60	
D)						

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

Depth Interval	Amount and Type of Material
7504' - 7686'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 39,774gals 70% Slickwater N2 foam w/ 39,924# of 20/40 Brady sand. Total N2: 2,366,900SCF.

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
02/28/2013 GRC	3/4/2013	1hr.	→	0/boph	16/mcf/h	0/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-984psi	SI-860psi	→	0/bopd	382/mcf/d	0/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)

ACCEPTED FOR RECORD

MAR 26 2013

FARMINGTON FIELD OFFICE  
BY T. Salyers

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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	2106'	2242'	White, cr-gr ss	Ojo Alamo	2106'
Kirtland	2242'	2748'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2242'
Fruitland	2748'	3051'	Dk gry-gr carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2748'
Pictured Cliffs	3051'	3246'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3051'
Lewis	3246'	4090'	Shale w/ siltstone stringers	Lewis	3246'
Huerfano Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfano Bentonite	n/a
Chacra	4090'	4856'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4090'
Mesa Verde	4856'	4872'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4856'
Menefee	4872'	5446'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4872'
Point Lookout	5446'	5896'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5446'
Mancos	5896'	6630'	Dark gry carb sh.	Mancos	5896'
Gallup	6630'	7401'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6630'
Greenhorn	7401'	7459'	Highly calc gry sh w/ thin lmst.	Greenhorn	7401'
Graneros	7459'	7502'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7459'
Dakota	7502'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7502'
Morrison			Interbed gm, brn & red waxy sh & fine to coard grn ss	Morrison	

## 32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde &amp; Basin Dakota commingle well under DHC3729AZ.

## 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 White

Title

Staff Regulatory Tech.

Signature

Arleen White

Date

3/25/13

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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## WELL COMPLETION OR RECOMPLETION REPORT AND

Farmington Field Office  
Bureau of Land Management

Office Serial No.

SF-078840

1a. Type of Well		<input type="checkbox"/> Oil Well	<input checked="" type="checkbox"/> Gas Well	<input type="checkbox"/> Dry	<input type="checkbox"/> Other	6. If Indian, Allottee or Tribe Name	
b. Type of Completion:		<input checked="" type="checkbox"/> New Well	<input type="checkbox"/> Work Over	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Diff. Resrv.	7. Unit or CA Agreement Name and No.
Other:						SAN JUAN 28-7 UNIT	
2. Name of Operator						8. Lease Name and Well No.	
ConocoPhillips Company						San Juan 28-7 Unit 113N	
3. Address				3a. Phone No. (include area code)		9. API Well No.	
PO Box 4289, Farmington, NM 87499				(505) 326-9700		30-039-31146-0002	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*						10. Field and Pool or Exploratory	
At surface						Blanco Mesaverde	
At top prod. Interval reported below						11. Sec., T., R., M., on Block and Survey	
UNIT I (NE/SE), 1970' FSL & 971' FEL						SURFACE: SEC: 18, T27N, R7W	
At total depth						12. County or Parish	
UNIT I (NE/SE), 1970' FSL & 971' FEL						Rio Arriba	
14. Date Spudded						13. State	
12/3/2012						New Mexico	
15. Date T.D. Reached						17. Elevations (DF, RKB, RT, GL)*	
1/7/2013						6577' GL / 6592' KB	
16. Date Completed						20. Depth Bridge Plug Set:	
<input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/28/2013 GRC						MD	
18. Total Depth:						TVD	
MD 7722'						TVD 7516'	
19. Plug Back T.D.:						22. Was well cored?	
MD 7698'						<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)	
TVD 7492'						Was DST run?	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)						<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)	
GR/CCL/CBL						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 Sk. & Type of Cement	Slurry Vol. (BBL)
12 1/4"	9 5/8" / H-40	32.3#	0	350'	n/a	116sx-Pre-mix	33bbls
8 3/4"	7" / J-55	23#	0	5047'	n/a	697sx-Premium Lite	251bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7712'	n/a	204sx-Premium Lite	74bbls
							4050'
							100 LBS. 1000'
							100 LBS. 1000'
							100 LBS. 1000'
24. Tubing Record							
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)
2 3/8", 4.7#, L-80	7591'	n/a					
25. Producing Intervals							
Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status	
A) Point Lookout	5450'	5850'	1SPF	.34"	31	open	
B) Menefee	5104'	5388'	2SPF	.34"	25	open	
C) Total					56		
D)							
27. Acid, Fracture, Treatment, Cement Squeeze, etc.							
Depth Interval		Amount and Type of Material					
5450' - 5850'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 37,884gals 70% Slickwater N2 foam w/ 100,422# of 20/40 Brady sand.					
5104' - 5388'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 29,400gals 70% Slickwater N2 foam w/ 75,254# of 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
02/28/2013 GRC	3/4/2013	1hr.	0 bbls	21/mcf/h	86/bwph	n/a	n/a
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
1/2"	SI-984psi	SI-860psi	0 bopd	506/mcf/d	1.56 bbls	n/a	
28a. Production - Interval B							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
	SI						

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

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BY T. Salyers

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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	2106'	2242'	White, cr-gr ss	Ojo Alamo	2106'
Kirtland	2242'	2748'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2242'
Fruitland	2748'	3051'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2748'
Pictured Cliffs	3051'	3246'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3051'
Lewis	3246'	4090'	Shale w/ siltstone stingers	Lewis	3246'
Huerfano Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfano Bentonite	n/a
Chacra	4090'	4856'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4090'
Mesa Verde	4856'	4872'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4856'
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Greenhorn	7401'	7459'	Highly calc gry sh w/ thin lmst.	Greenhorn	7401'
Graneros	7459'	7502'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7459'
Dakota	7502'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7502'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

## 32. Additional remarks (include plugging procedure):

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 ☐ 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 White

Title

Staff Regulatory Tech.

Signature

Arleen White

Date

3/25/13

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