Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 27 2013

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. **Jicarilla Contract 106**

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: **Jicarilla Apache**

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

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

8. Lease Name and Well No.: **Jicarilla B 8N**

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

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

9. API Well No.: **30-039-30907 -00C1**

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

At surface: **UNIT C (NE/NW), 1105' FNL & 1800' FWL**

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

11. Sec., T., R., M., on Block and Survey or Area: **SURFACE: SEC: 25, T26N, R4W**

At top prod. Interval reported below

At total depth

12. County or Parish: **Rio Arriba**

13. State: **New Mexico**

14. Date Spudded: **11/6/2012**

15. Date T.D. Reached: **12/25/2012**

16. Date Completed: [ ] D & A [X] Ready to Prod. **02/06/2013 GRC**

17. Elevations (DF, RKB, RT, GL)*: **7127' GL / 7142' KB**

18. Total Depth: MD **8170'** TVD

19. Plug Back T.D.: MD **8137'** TVD

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	528'	n/a	382sx-Type I-II	87bbls	Surface	15bbls
8 3/4"	7" / J-55	23#	0	5663'	3572'	746sx-Premuim Lite	271bbls	1200'	0bbls
6 1/4"	4 1/2" / L-80	11.6#	0	8159'	n/a	198sx-Premuim Lite	72bbls	4860'	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	8026'	n/a						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Dakota	7923'	8068'	1SPF	.34"	30	open
B)	Dakota	8080'	8122'	2SPF	.34"	34	open
C)	Total					64	
D)							

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

Depth Interval	Amount and Type of Material
7923' - 8122'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 39,900gals 70% Slickwater N2 foam w/ 39,627# of 20/40 Brady sand. Total N2: 2,456,100SCF.

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
02/06/2013 GRC	2/13/2013	1hr.	→	0/boph	17/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-573psi	SI-571psi	→	0/bopd	402/mcf/d	10/ 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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FEB 27 2013

FARMINGTON FIELD OFFICE
BY William Tambekou

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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	3240'	3310'	White, cr-gr ss	Ojo Alamo	3240'
Kirltand	3310'	3563'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirltand	3310'
Fruitland	3563'	3761'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3563'
Pictured Cliffs	3761'	3926'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3761'
Lewis	3926'	4194'	Shale w/ siltstone stingers	Lewis	3926'
Huerfanito Bentonite	4194'	4674'	White, waxy chalky bentonite	Huerfanito Bentonite	4194'
Chacra	4674'	5300'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4674'
Mesa Verde	5300'	5502'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5300'
Menefee	5502'	5890'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5502'
Point Lookout	5890'	6366'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5890'
Mancos	6366'	6853'	Dark gry carb sh.	Mancos	6366'
Gallup	6853'	7852'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6853'
Greenhorn	7852'	7916'	Highly calc gry sh w/ thin lmst.	Greenhorn	7852'
Graneros	7916'	7952'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7916'
Dakota	7952'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7952'
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 DHC3457AZ.

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 2/26/13

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

6. If Indian, Allottee or Tribe Name: **Jicarilla Apache**
7. Unit or CA Agreement Name and No.

2. Name of Operator: **ConocoPhillips Company**
8. Lease Name and Well No.: **Jicarilla B 8N** Report To Lease

3. Address: **PO Box 4289, Farmington, NM 87499**
3a. Phone No. *(include area code)*: **(505) 326-9700**
9. API Well No.: **30-039-30907-00C2**

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At surface: ***UNIT C (NE/NW), 1105' FNL & 1800' FWL***
At top prod. Interval reported below
At total depth
10. Field and Pool or Exploratory: **Blanco Mesaverde**
11. Sec., T., R., M., on Block and Survey or Area: **SURFACE: SEC: 25, T26N, R4W**
12. County or Parish: **Rio Arriba**
13. State: **New Mexico**

14. Date Spudded: **11/6/2012**
15. Date T.D. Reached: **12/25/2012**
16. Date Completed: [ ] D & A [X] Ready to Prod. **02/05/2013 GRC**
17. Elevations (DF, RKB, RT, GL)*: **7127' GL / 7142' KB**

18. Total Depth: MD **8170'** TVD
19. Plug Back T.D.: MD **8137'** TVD
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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6 1/4"	4 1/2" / L-80	11.6#	0	8159'	n/a	198sx-Premuim Lite	72bbls	4860'	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	8026'	n/a						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Point Lookout	5714'	6318'	1SPF	.34"	26	open
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
5714' - 6318'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 36,582gals 70% Slickwater N2 foam w/ 101,219# of 20/40 Brady sand. Total N2: 1,555,400SCF.

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
02/05/2013 GRC	2/6/2013	1hr.	→	0/boph	24/mcf/h	1/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-573psi	SI-571psi	→	0/bopd	578/mcf/d	18/ 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.)*

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30. Summary of Porous Zones (Include Aquifers):

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(Continued on page 3)