

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 20 2012

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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		5. Lease Serial No. SF-078496					
2. Name of Operator ConocoPhillips Company				6. If Indian, Allottee or Tribe Name NMMN - 78413C - DK					
3. Address PO Box 4289, Farmington, NM 87499				7. Unit or CA Agreement Name and No. SAN JUAN 28-7 UNIT					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface: UNIT C (NE/NW), 525' FNL & 2005' FWL At top prod. Interval reported below: UNIT C (NE/NW), 749' FNL & 1938' FWL At total depth: UNIT C (NE/NW), 749' FNL & 1938' FWL				8. Lease Name and Well No. San Juan 28-7 Unit 131N					
14. Date Spudded 7/23/2012				9. API Well No. 30-039-30663 - 00C1					
15. Date T.D. Reached 9/15/2012				10. Field and Pool or Exploratory Basin Dakota					
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/06/2012 GRC				11. Sec., T., R., M., on Block and Survey SURFACE: SEC: 34, T28N, R7W BOTTOM: SEC: 34, T28N, R7W					
18. Total Depth: MD 7172' TVD 7152'				12. County or Parish Rio Arriba					
19. Plug Back T.D.: MD 7167' TVD 7147'				13. State New Mexico					
20. Depth Bridge Plug Set: MD TVD				17. Elevations (DF, RKB, RT, GL)* 6058' GL / 6073' KB					
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	94sx-Pre-mix	26bbls	Surface	n/a
8 3/4"	7" / J-55	23#	0	2988'	n/a	406sx-Premium Lite	147bbls	Surface	35bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7170'	n/a	295sx-Premium Lite	106bbls	2100'	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	7066'	n/a							
25. Producing Intervals									
Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status			
A) Lower Dakota	7062'	7136'	2SPF	.34"	36	open			
B) Upper Dakota	6944'	7050'	1SPF	.34"	22	open			
C) Total					58				
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
6944' - 7136'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 119,980gals 70Q Slick foam w/ 39,515# of 20/40 Brown sand. Pumped 106bbls of fluid. Total N2:2,464,100SCF.							
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
12/06/2012 GRC	12/12/2012	1hr.	5.0 bbls	0/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-593psi	SI-535psi	5.0 bbls	0/bopd	877/mcf/d	1/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
			5.0 bbls						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		5.0 bbls						

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

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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	1862'	1962'	White, cr-gr ss	Ojo Alamo	1862'
Kirtland	1962'	2377'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1962'
Fruitland	2377'	2695'	Dk gry-gr carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2377'
Pictured Cliffs	2695'	2870'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2695'
Lewis	2870'	3642'	Shale w/ siltstone stringers	Lewis	2870'
Huerfanito Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfanito Bentonite	n/a
Chacara	3642'	4336'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacara	3642'
Mesa Verde	4336'	4474'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4336'
Menefee	4474'	4934'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4474'
Point Lookout	4934'	5361'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4934'
Mancos	5361'	6108'	Dark gry carb sh.	Mancos	5361'
Gallup	6108'	6844'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6108'
Greenhorn	6844'	6901'	Highly calc gry sh w/ thin lmst.	Greenhorn	6844'
Graneros	6901'	6940'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6901'
Dakota	6940'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6940'
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 &amp; Basin Mancos commingle well under DHC4568.

## 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 R. White

Title

Staff Regulatory Tech.

Signature

Arleen White

Date

12/20/12

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  
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OMB No. 1004-0137  
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## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office

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 <input type="checkbox"/> Diff. Resvr.		5. Lease Serial No. SF-078496					
2. Name of Operator ConocoPhillips Company				6. If Indian, Allottee or Tribe Name NMJM-78413A-MV					
3. Address PO Box 4289, Farmington, NM 87499				7. Unit or CA Agreement Name and No. SAN JUAN 28-7 UNIT					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UNIT C (NE/NW), 525' FNL & 2005' FWL At top prod. Interval reported below UNIT C (NE/NW), 749' FNL & 1938' FWL At total depth UNIT C (NE/NW), 749' FNL & 1938' FWL				8. Lease Name and Well No. San Juan 28-7 Unit 131N					
14. Date Spudded 7/23/2012				9. API Well No. 30-039-30663 - 00C3					
15. Date T.D. Reached 9/15/2012				10. Field and Pool or Exploratory Blanco Mesaverde					
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/28/2012 GRC				11. Sec., T., R., M., on Block and Survey SURFACE: SEC: 34, T28N, R7W BOTTOM: SEC: 34, T28N, R7W					
17. Elevations (DF, RKB, RT, GL)* 6058' GL / 6073' KB				12. County or Parish Rio Arriba					
18. Total Depth: MD 7172' TVD 7152'				13. State New Mexico					
19. Plug Back T.D.: MD 7167' TVD 7147'				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	94sx-Pre-mix	26bbls	Surface	n/a
8 3/4"	7" / J-55	23#	0	2988'	n/a	406sx-Premium Lite	147bbls	Surface	35bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7170'	n/a	295sx-Premium Lite	106bbls	2100'	n/a
24. Tubing Record						25. Producing Intervals			
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	7066'	n/a							
26. Perforation Record						27. Acid, Fracture, Treatment, Cement Squeeze, etc.			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Point Lookout	4982'	5322'	ISPF	.34"	25	open			
B) Menefee	4508'	4924'	ISPF	.34"	25	open			
C) Cliffhouse	4340'	4464'	ISPF	.34"	25	open			
D) Total					75				
28. Production - Interval A						29. 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
11/28/2012 GRC	12/12/2012	1hr.	0 bopd	0/boph	18/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-593psi	SI-535psi	0/bopd	431/mcf/d	2/bwph	n/a		SHUT IN	
28a. Production - Interval B						29a. 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.	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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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	1862'	1962'	White, cr-gr ss	Ojo Alamo	1862'
Kirtland	1962'	2377'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1962'
Fruitland	2377'	2695'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2377'
Pictured Cliffs	2695'	2870'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2695'
Lewis	2870'	3642'	Shale w/ siltstone stringers	Lewis	2870'
Huerfanito Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfanito Bentonite	n/a
Chacra	3642'	4336'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3642'
Mesa Verde	4336'	4474'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4336'
Menefee	4474'	4934'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4474'
Point Lookout	4934'	5361'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4934'
Mancos	5361'	6108'	Dark gry carb sh.	Mancos	5361'
Gallup	6108'	6844'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6108'
Greenhorn	6844'	6901'	Highly calc gry sh w/ thin lmst.	Greenhorn	6844'
Graneros	6901'	6940'	Dk gry shale, fossil & carb w/ pyrite incl: Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Graneros	6901'
Dakota	6940'		Interbed grn, brn & red waxy sh & fine to coard grn ss	Dakota	6940'
Morrison				Morrison	

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

This is a Blanco Mesaverde, Basin Dakota & Basin Mancos commingle well under DHC4568.

## 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 R. White

Title

Staff Regulatory Tech.

Signature

Arleen White

Date

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OMB No. 1004-0137  
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## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 <b>ConocoPhillips Company</b>									
3. Address <b>PO Box 4289, Farmington, NM 87499</b>			3a. Phone No. (include area code) <b>(505) 326-9700</b>						
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>UNIT C (NE/NW), 525' FNL &amp; 2005' FWL</b>  At top prod. Interval reported below <b>UNIT C (NE/NW), 749' FNL &amp; 1938' FWL</b>  At total depth <b>UNIT C (NE/NW), 749' FNL &amp; 1938' FWL</b>									
14. Date Spudded <b>7/23/2012</b>		15. Date T.D. Reached <b>9/15/2012</b>		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>11/29/2012 GRC</b>					
18. Total Depth: MD <b>7172'</b> TVD <b>7152'</b>		19. Plug Back T.D.: MD <b>7167'</b> TVD <b>7147'</b>		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>GR/CCL/CBL</b>				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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	230'	n/a	94sx-Pre-mix	26bbls	Surface	n/a
8 3/4"	7" / J-55	23#	0	2988'	n/a	406sx-Premium Lite	147bbls	Surface	35bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7170'	n/a	295sx-Premium Lite	106bbls	2100'	n/a
						RCVD JAN 7 '13 OIL CONS. DIV.			
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	7066'	n/a							
25. Producing Intervals						26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Lower Mancos	6240'	6420'	3SPF	.34"	60	open			
B) Upper Mancos	6040'	6190'	3SPF	.34"	63	open			
C) Total					123				
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
6240' - 6420'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 4,956gals 203 X-Link Foam w/ 152,008# of 20/40 Brown sand. Pumped 100bbls of fluid. Total N2:2,190,000SCF.							
6040' - 6190'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 5,250gals 20#X-Link Gel Pre Pad w/ 192,760 70Q X-Link Foam w/ 150,580# 20/40 Brown sand. Pumped 91bbls of fluid. Total N2:2,343,500SCF.							
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
11/29/2012 GRC	12/12/2012	1hr.	0 bopd	0/boph	16/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-593psi	SI-535psi	0/bopd	0/bopd	388/mcf/d	2/bwph	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 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	1862'	1962'	White, cr-gr ss	Ojo Alamo	1862'
Kirtland	1962'	2377'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1962'
Fruitland	2377'	2695'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2377'
Pictured Cliffs	2695'	2870'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2695'
Lewis	2870'	3642'	Shale w/ siltstone stringers	Lewis	2870'
Huerfano Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfano Bentonite	n/a
Chacara	3642'	4336'	Gry fin grn silty, glauconitic sd stone w/ drk gry shale	Chacara	3642'
Mesa Verde	4336'	4474'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4336'
Menefee	4474'	4934'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4474'
Point Lookout	4934'	5361'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4934'
Mancos	5361'	6108'	Dark gry carb sh.	Mancos	5361'
Gallup	6108'	6844'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6108'
Greenhorn	6844'	6901'	Highly calc gry sh w/ thin lmst.	Greenhorn	6844'
Graneros	6901'	6940'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6901'
Dakota	6940'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6940'
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 & Basin Mancos commingle well under DHC4568.

## 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 R. White

Title

Staff Regulatory Tech.

Signature

Arleen White

Date

12/20/12

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.