

RECEIVED

RCVD APR 25 '12
OIL CONS. DIV.

DIST. 3

FORM APPROVED

OMB No 1004-0137

Expires: July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 19 2012

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Farmington Field Office
Bureau of Land Management

Lease Serial No

SF-078138

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 type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.,		7. Unit or CA Agreement Name and No. NM 73849	
2 Name of Operator ConocoPhillips Company		8 Lease Name and Well No FEDERAL C 1M	
3 Address PO Box 4289, Farmington, NM 87499		9. API Well No 30-045-34825-00C1	
3a. Phone No (include area code) (505) 326-9700		10. Field and Pool or Exploratory BASIN DAKOTA	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface M (SWSW) 954' FSL & 950' FWL At top prod Interval reported below Same As Above At total depth Same As Above		11 Sec, T, R, M, on Block and Survey or Area Sec. 28, T30N, R11W	
14. Date Spudded 12/15/2011		15. Date T.D Reached 1/24/2012	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17. Elevations (DF, RKB, RT, GL)* GL-5,979' / KB-5,994'	
18 Total Depth. MD 6,868' TVD		19 Plug Back T D : MD 6,864' TVD	
20 Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)	
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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			

GR/CCL/CBL

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", II-40	32.3#	0	229'	n/a	76 sx/pre-mix	22 bbls	Surface	8 bbls
8 3/4"	7", J-55	20#/23#	0	4164'	n/a	604 sx/prem lite	218 bbls	Surface	80 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,865'	n/a	231 sx/prem lite	83 bbls	2,650'	

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	6,776'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Basin Dakota						
B)	6,706'	6,796'	1 SPF	.34" diam	26	Open
C)	6,806'	6,856'	2 SPF	.34" diam	26	Open
D) Total Holes					52	

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

Depth Interval	Amount and Type of Material
6,706' - 6,856'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 36,375 gal 85Q N2 slickfoam w/ 28,305# 20/40 AZ sand. N2: 4,737,000scf.

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
N/A	4/4/2012	1	→	0	13mcf/h	trace			FLOWING
Choke Size	Tbg. Press Flwg. SI	Csg. Press SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	840 psi	SI 923psi	→	0	316mcf/d	4bwpd			SI without 1st Delivery

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
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						APR 20 2012 FARMINGTON FIELD OFFICE BY [Signature]

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

NMOCB

AV

fc

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	897'	948'	White, cr-gr ss	Ojo Alamo	897'
Kirtland	948'	1894'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	948'
Fruitland	1894'	2294'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1894'
Pictured Cliffs	2294'	2452'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2294'
Lewis	2452'	2897'	Shale w/ siltstone stringers	Lewis	2452'
Huerfano Bentonite	2897'	2984'	White, waxy chalky bentonite	Huerfano Bentonite	2897'
Chacra	2984'	3938'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2984'
Mesa Verde	3938'	4023'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3938'
Menefee	4023'	4597'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4023' 4023
Point Lookout	4597'	5022'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4597'
Mancos	5022'	5856'	Dark gry carb sh.	Mancos	5022'
Gallup	5856'	6576'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5856'
Greenhorn	6576'	6635'	Highly calc gry sh w/ thin lmst	Greenhorn	6576'
Graneros	6635'	6705'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6635'
Dakota	6705'	6868'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6705'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	0

32. Additional remarks (include plugging procedure)

This is a Blanco MV/Basin Mancos/Basin DK being commingled by DHC Order #4490.

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) DENISE JOURNEY Title REGULATORY TECHNICIAN
 Signature Date 4/18/2012

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

RECEIVED

RCVD APR 25 '12

OIL CONS. DIV.

FORM APPROVED

OMB No 1004-0137

Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 19 2012

WELL COMPLETION OR RECOMPLETION REPORT AND LOG Field Office

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

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

M (SWSW) 954' FSL & 950' FWL

At top prod. Interval reported below

Same As Above

At total depth Same As Above

14. Date Spudded
12/15/201115 Date T.D. Reached
1/24/201216. Date Completed 4/4/2012
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
GL-5,979' / KB-5,994'18 Total Depth: MD 6,868'
TVD19. Plug Back T.D. MD 6,864'
TVD20. Depth Bridge Plug Set: MD
TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☐ Yes (Submit copy)

GR/CCL/CBL

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	229'	n/a	76 sx/pre-mix	22 bbls	Surface	8 bbls
8 3/4"	7", J-55	20#/23#	0	4,164'	n/a	604 sx/prem lite	218 bbls	Surface	80 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,865'	n/a	231 sx/prem lite	83 bbls	2,650'	

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	6,776'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Lower Mancos	6,074'	6,122'	2 SPF	.34" diam	50	Open
B) Upper Mancos	5,844'	5,988'	2 SPF	.34" diam	50	Open
C)						
D) Total Holes					100	

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
6,074' - 6,122'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 140,070 gal slickwater w/ 18,574# 40/40 AZ sand.
5,844' - 5,988'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 170,184 gal slickwater w/ 75,080# 40/40 AZ sand.

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
N/A	4/4/2012	1	→	0	4mcf/h	trace			FLOWING
Choke Size	Tbg. Press Flwg SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	840 psi	SI 923psi	→	0	95mcf/d	2bwpd			SI without 1st Delivery

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
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press Flwg SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

NMOCDA

FARMINGTON FIELD OFFICE
BY SA

APR 20 2012

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production BBL/DAY	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 BBL/DAY	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production BBL/DAY	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 BBL/DAY	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

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	897'	948'	White, cr-gr ss	Ojo Alamo	897'
Kirtland	948'	1894'	Gry sh interbedded w/ltght, gry, fine-gr ss	Kirtland	948'
Fruitland	1894'	2294'	Dk gry-gr carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1894'
Pictured Cliffs	2294'	2452'	Bn-Gry, fine gm, tight ss	Pictured Cliffs	2294'
Lewis	2452'	2897'	Shale w/ siltstone stringers	Lewis	2452'
Huerfanto Bentonite	2897'	2984'	White, waxy chalky bentonite	Huerfanto Bentonite	2897'
Chacra	2984'	3938'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2984'
Mesa Verde	3938'	4023'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3938'
Menefee	4023'	4597'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4023'
Point Lookout	4597'	5022'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4597'
Mancos	5022'	5856'	Dark gry carb sh	Mancos	5022'
Gallup	5856'	6576'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5856'
Greenhorn	6576'	6635'	Highly calc gry sh w/ thin lmst.	Greenhorn	6576'
Graneros	6635'	6705'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6635'
Dakota	6705'	6868'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6705'
Morrison			Interbed gm, brn & red waxy sh & fine to coard grn ss	Morrison	0

32. Additional remarks (include plugging procedure)

This is a Blanco MV/Basin Mancos/Basin Dakota well being commingled by DHC Order #4490,

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)*

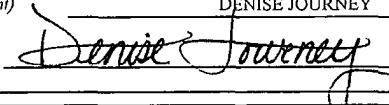
Name (please print)

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature



Date

4/18/2012

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

RECEIVED

RCVD APR 25 '12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 19 2012

OIL CONS. DIV.
FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010Farmington Field Office
Bureau of Land Management
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

SF-078138

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

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

NMNM 99450

8 Lease Name and Well No.

FEDERAL C 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.

30-045-34825 - 0003

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

At surface M (SWSW) 954' FSL & 950' FWL

At top prod. interval reported below Same as Above

At total depth Same As Above

14. Date Spudded

12/15/2011

15. Date T.D. Reached

1/24/2012

16 Date Completed

4/4/2012

☐ D & A☒ Ready to Prod

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

GL-5,979' / KB - 5,994'

18. Total Depth

MD

6,868'

TVD

19. Plug Back T.D.

MD

6,864'

TVD

20 Depth Bridge Plug Set

MD

TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)

22 Was well cored?

☒ No☐ Yes (Submit analysis)

Was DST run?

☒ No☐ Yes (Submit report)

Directional Survey?

☒ No☐ Yes (Submit copy)

GR/CCL/CBL

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 1/2"	9 5/8", H-40	32.3#	0	229'	n/a	76 sx/Pre-mix	22bbls	Surface	8 bbls
8 3/4"	7", J-55	20#/23#	0	4,164'	n/a	604 sx/Prem Lite	218bbls	Surface	80 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,865'	n/a	231 sx/Prem Lite	83bbls	2,650'	

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	6,776'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Point Lookout	4,616'	4,896'	1 SPF	.34" diam	26	Open
B) Menefee	4,420'	4,558'	2 SPF	.34" diam	26	Open
C)						
D) Total Holes					52	

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

Depth Interval	Amount and Type of Material
4,616' - 4,896'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/39,060 gal 70Q N2 Slickfoam w/ 100,214# 20/40 AZ sand. N2: 1,362,000scf.
4,420' - 4,558'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/28,980 gal 70Q N2 Slickfoam w/ 70,007# 20/40 AZ sand. N2: 1,254,000scf.

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
n/a	4/4/2012	1	→	0	45mcf/h	1/2 bw/h			FLOWING
Choke Size	Tbg. Press. Flwg SI	Csg. Press SI	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	840psi	SI 923psi	→	0	1095mcf/d	12 bwpd			SI without 1st Delivery

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
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg SI	Csg. Press SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						APR 20 2012
			→						FARMINGTON FIELD OFFICE BY SW

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



NMOCD

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.)

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	897'	948'	White, cr-gr ss	Ojo Alamo	897'
Kirtland	948'	1894'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	948'
Fruitland	1894'	2294'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1894'
Pictured Cliffs	2294'	2452'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2294'
Lewis	2452'	2897'	Shale w/ siltstone stringers	Lewis	2452'
Huerfano Bentonite	2897'	2984'	White, waxy chalky bentonite	Huerfano Bentonite	2897'
Chacra	2984'	3938'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2984'
Mesa Verde	3938'	4023'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3938'
Menefee	4023'	4597'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4023'
Point Lookout	4597'	5022'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4597'
Mancos	5022'	5856'	Dark gry carb sh.	Mancos	5022'
Gallup	5856'	6576'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5856'
Greenhorn	6576'	6635'	Highly calc gry sh w/ thin lmst	Greenhorn	6576'
Graneros	6635'	6705'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6635'
Dakota	6705'	6868'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6705'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	0

32. Additional remarks (include plugging procedure)

This is a Blanco MV/Basin Mancos/Basin DK being commingled by DHC Order # 4490.

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)*

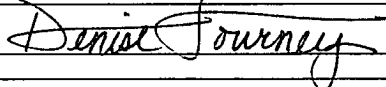
Name (please print)

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature



Date

4/18/2012

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