

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. 202 S. Cheyenne Ave. Tulsa, OK 74103		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW 7-3-15
⁴ API Number 30- 015-41589	⁵ Pool Name WC Wolfcamp	⁶ Pool Code 97949
⁷ Property Code 40059	⁸ Property Name Riverbend 14 Federal	⁹ Well Number 2H

II. ¹⁰ Surface Location

UL or lot no. C	Section 14	Township 25S	Range 28E	Lot Idn	Feet from the 75	North/South Line NORTH	Feet from the 1980	East/West line WEST	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. N	Section 14	Township 25S	Range 28E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 1980	East/West line WEST	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 7-6-15	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
21778	Sunoco Inc. R & M P O Box 2039; Tulsa OK	
226737	DCP Mistream 370 17th St, Ste 2500; Denver CO	
	NM OIL CONSERVATION ARTESIA DISTRICT SEP 08 2015 RECEIVED	

IV. Well Completion Data

²¹ Spud Date 12-18-14	²² Ready Date 7-3-15	²³ TD 15325'/TVD 10717	²⁴ PBDT 15328	²⁵ Perforations 10640-15210	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	500	500		
12-1/4	9-5/8	2557	913		
8-3/4	7"	10893	480		
	2-3/8	9912			

V. Well Test Data

³¹ Date New Oil 7-6-15	³² Gas Delivery Date 7-6-15	³³ Test Date 7-22-15	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 3900	³⁶ Csg. Pressure 675
³⁷ Choke Size 12/64	³⁸ Oil 652	³⁹ Water 1126	⁴⁰ Gas 4244		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Hope Knauls

Printed name: Hope Knauls

Title: Regulatory Tech

E-mail Address: hknauls@cimarex.com

Date: 8-20-15

Phone: 918-295-1799

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM112920

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
RIVERBEND 14 FEDERAL COM 2H2. Name of Operator
CIMAREX ENERGY COMPANYContact: CRISTEN BURDELL
E-Mail: cburdell@cimarex.com9. API Well No.
30-015-415893a. Address
202 S. CHEYENNE AVE STE 1000
TULSA, OK 741033b. Phone No. (include area code)
Ph: 918-560-703810. Field and Pool, or Exploratory
WILDCAT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 14 T25S R28E NENW 75FNL 1980FWL
32.081396 N Lat, 104.033637 W Lon

11. County or Parish, and State

EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

12-18-14 Spud well. TD 17-1/2 hole @ 500.

12-19-14 RIH w/ 13-3/8, 48#, J55 STC csg & set @ 500. Mix and pump: 500 sx Class C; 14.8 ppg, 1.36 yld. No cmt to surface. Contact BLM ? 1? approved. RIH w/ 1? & tag cmt @ 135?. Mix & pump 300 sx Class C, 14.8 ppg. 1.36 yld. Circ 20 bbls cmt to surface. WOC 18 hrs.

12-21-14 Test csg to 1500 psi for 30 mins. OK.

12-22-14 TD 12-1/4 hole @ 2557.

12-23-14 RIH w/ 9-5/8, 36#, J55, LTC csg & set @ 2557. Mix & pump Lead: 750 sx Class C, 12.9 ppg, 1.87 yld; tail w/ 163 sx Class C, 14.8 ppg, 1.34 yld. Circ 289 sx to surface. WOC 8 hrs.

12-24-14 Test csg to 1500 psi for 30 mins. OK.

01-14-15 TD 8-3/4 hole @ 10893.

01-16-15 RIH w/ 7, 32#, L80, BTC csg & set @ 10893. DV Tool @ 6334-6338

01-17-15 Mix & pump 1st Stage: Lead: 330 sx Class H, 10.8 ppg, 2.78 yld; tail w/ 150 sx Class H,

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 08 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #297359 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (Printed/Typed) CRISTEN BURDELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/06/2015

THIS SPACE FOR FEDERAL OR STATE OFFICIAL

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Pending BLM approvals will
subsequently be reviewed
and scanned

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.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional data for EC transaction #297359 that would not fit on the form

32. Additional remarks, continued

14.5 ppg, 1.24 yld. Open DV Tool, got back 612 sx. Mix & pump 2nd Stage: 990 sx Class H, 10.8 ppg, 2.53 yld. Did not circ. WOC 12+ hrs.
01-18-15 Run temp survey. TOC @ 50?. Contact E. Fernandez BLM, approval to proceed.
01-20-15 Test csg to 3000 psi for 30 mins. OK.
01-20-15 Drilling @ 12455?. Hole collapsed while drlg. TOH w/ BHA.
01-21-15 to
02-02-15 Wash & reaming unsuccessfully to open well up. Reaming depth @ 11012. Contact BLM for sidetrack approval.
02-03-15 Sidetrack well. RIH w/ 2-7/8 tbg & cmt assembly to 11144.
02-04-15 Pump 20 bbls 14.5 ppg spacer. Mix & pump 100 sx Class H, 15.6 ppg, 1.18 yld. Pump 10 bbls 14.5 ppg spacer. TOOH. WOC.
02-05-15 Tag cmt @ 10766. Contact BLM E. Fernandez for approval to set CIBP. RIH & set CIBP @ 10760?.
02-06-15 Tag CIBP @ 10760. RIH w/ whipstock & set @ 10746-10755.
02-07-15 Mill window @ 10746-10755. Mill rat hole @ 10755-10763.
02-08-15 TOOH w/ mill.
02-09-15 TIH w/ directional assembly. Drill curve.
02-20-15 TD 6? hole @ 15325.
02-21-15 RIH w/ 4-1/2, 11.6, P110, BTC liner & set @ 9852-15325.
02-22-15 Mix & pump 380 sx Class H, 14.5 ppg, 1.22 yld. TOC @ 9852- TOL.
02-25-15 Release rig. PBTD @ 15238.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM112920

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
RIVERBEND 14 FEDERAL 2H

2. Name of Operator
CIMAREX ENERGY COMPANY

Contact: HOPE KNAULS
E-Mail: hknaults@cimarex.com

9. API Well No.
30-015-41589

3a. Address
202 S. CHEYENNE AVE
TULSA, OK 74103

3b. Phone No. (include area code)
Ph: 918-585-1100

10. Field and Pool, or Exploratory
WILDCAT WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 14 T25S R28E 75FNL 1980FWL

11. County or Parish, and State

EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Revised TOC as discussed with Chris Wall.
5 bbls/0.0164 bbls/ ft= 305'
TOL: 9852'
9852'+ 305'=10157' TOC

Riverbend 14 Fed Com 2H Completion
5-21-15 RU pump to -9-5/8" csg. Test lines to 8000 psi. Good test.
5-23-15 Set packer & 2-7/8", 6.5 # L-80 EUE tbg. Start TIH. 75 jts remaining to reach DV tool @ 6335'. TIH start testing csg. Bottom packer @ 3870', Packer not set.
5-24-15 Set packer @ 6392' (54' below DV tool). Test pump lines to 5000 psi. Good test. TOH w. packet nothing left in hole. Well Shut In.
5-25 through 5-27-15 Well Shut in.

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 08 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #313004 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (Printed/Typed) HOPE KNAULS

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 08/17/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Pending BLM approvals will
subsequently be reviewed
and scanned

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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any department or agency of the United

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #313004 that would not fit on the form

32. Additional remarks, continued

5-28-15 RIH w/ setting tool & CBP. DV tool @ 6335?. RIH & set CBP @ 6398?. Test csg. Plug set w/ 600 psi. TIH w/ 2-7/8?, 6.5#, L-80 to 5899?.

6-2-15 Mill out plugs.

6-8-15 Well SI For frac.

6-18-15 Perf?d wolfcamp 10600-15210. .46 Size holes. 550 holes. Frac w/ 6675429 slickwater, 7770126 gal total fluid #sd.

6-30-15 RIH 2-3/8? tbg & set 4-1/2? packer @ 9920. GLV

1593,2895,3970,4755,5343,5866,6357,6848,7340,7863,8354,8846,9369,9828

7-3-15 turned well to production.

SEP 08 2015

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
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.
NMNM112920

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.

2. Name of Operator
CIMAREX ENERGY COMPANY Contact: HOPE KNAULS
E-Mail: hknauls@cimarex.com

8. Lease Name and Well No.
RIVERBEND 14 FEDERAL 2H

3. Address 202 S. CHEYENNE AVE
TULSA, OK 74103

3a. Phone No. (include area code)
Ph: 918-585-1100

9. API Well No.
30-015-41589

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

At surface 75FNL 1980FWL

At top prod interval reported below 75FNL 1980FWL

At total depth 330FNL 1980FWL

NSL-R-13902

10. Field and Pool, or Exploratory
WILDCAT; WOLFCAMP

11. Sec., T., R., M., or Block and Survey
or Area Sec 14 T25S R28E Mer

12. County or Parish
EDDY 13. State
NM

14. Date Spudded
12/18/2014

15. Date T.D. Reached
02/20/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
07/03/2015

17. Elevations (DF, KB, RT, GL)*
2939 GL

18. Total Depth: MD 15325
TVD 10717

19. Plug Back T.D.: MD 15328
TVD 10717

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON LOG

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

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
17.500	13.375 J55	48.0		500		500			
12.250	9.625 J55	36.0		2557		913			289
8.750	7.000 L80	32.0	9550	10893		480		50	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9912							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10640	15210	104640 TO 15210	0.460	550	OPEN
B)						
C)						
D)						

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

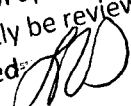
Depth Interval	Amount and Type of Material
10640 TO 15210	SEE FRAC FOCUS

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
07/03/2015	07/22/2015	24	→	652.0	4244.0	1126.0	60.0		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
12/64	3900	675.0	→	652	4244	1126	6509	PGW	

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

Pending BLM approvals will
subsequently be reviewed
and scanned: 

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #315553 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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(Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, 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
BELL CANYON	2607	3389	SANDSTONE; WATER		
CHERRY CANYON	3678	5447	SANDSTONE; WATER		
BRUSHY CANYON	5286	6297	SANSTONE; WATER; MINOR GAS		
BONE SPRING	6409	7199	SHALE GAS, MINOR OIL & WATER		
BONE SPRING	9146	9520	SANDSTONE; WATER		
WOLFCAMP	10516	10760	SHALE, GAS OIL & WATER		

32. Additional remarks (include plugging procedure):

Cimarex Energy Co. would like to request all completion paperwork and logs confidential.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #315553 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) HOPE KNAULS

Title REGULATORY TECHNICIAN

Signature _____ (Electronic Submission)

Date 09/04/2015

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