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

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

HOBBS OCD
MAY 0 8 2018
RECEIVED

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Cimarex Energy Co. of Colorado 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103	162683
	[3] Reason for Filing Code/ Effective Date NW-2/10/18

[4] API Number		[6] Pool Code
30 – 025-43070	Lusk Bone Spring South	41460
[7] Property Code	[8] Property Name	[9] Well Number
37971	Southern California 29 Federal	19H

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	29	19S	32E		1390	South	308	West	Lea

[11] Bottom Hole Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M.	29	19S	32E		1262	South	330	East	Lea

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	P	2/17/18			

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	O
226737	DCP Midstream 370 17th Street, STE 2500 Denver, CO	

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
11/13/17 ✓	2/10/18	13663/9183'	13660/9183'	9349/13635'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
26	20	934	2445/TOC-0'
17.5	13.375	2692	2350/TOC-0'
12.25	9.625	4205	1280/TOC-0'
8.5	5.5	13663	33275/TOC-0'
	2.375	8753	

V. Well Test Data:

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
2/16/18	2/17/18	3/10/18	24	148	168
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
64	683	1052	987		

[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: Patricia Holland

Printed name: Patricia Holland

Title: Regulatory Analyst

E-mail Address: pholland@cimarex.com

Date: 4/27/18

Phone: 918-560-7081

OIL CONSERVATION DIVISION

Approved by: Karen Sharp

Title: Staff Mgr

Approval Date: 5-17-18

gcp 5-17-18

Pending BLM approvals will subsequently be reviewed and scanned

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMLC063586

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SOUTHERN CALIFORNIA 29 FED 19H

2. Name of Operator
CIMAREX ENERGY COMPANY
Contact: PATRICIA HOLLAND
E-Mail: pholland@cimarex.com

9. API Well No.
35-025-43070

3a. Address
202 S CHEYENNE AVE. SUITE 1000
TULSA, OK 74103

3b. Phone No. (include area code)
Ph: 918-560-7081

10. Field and Pool or Exploratory Area
BONE SPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 29 T19S R32E SWSW 1390FSL 308FWL

11. County or Parish, State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

11/3/2017 Spud Well
11/14/2017 TD 26? Surface Hole. Ran 20? 94# J-55 BT&C Csg @ 934?
11/15/2015 Mix and Pump Lead cmt: 2445 sxs HalCem C, 14.8 ppg, 1.34 yld. Circ 1328 sxs of cmt to surface. WOC 24+ HRS
11/17/2017 Test Csg to 1500 psi, Good Test
11/21/2017 TD 17.5? Hole @ 2692?. Ran 13 3/8? 54.5# J-55 BT&C Csg to 2692?
11/22/2017 Mix and Pump Lead Cmt: 1800 sxs of EconoChem tm C, 12.9 ppg, 1.898 yld. Tail cmt: 550 sxs of Halcem tm, 14.8 ppg, 1.332 yld. Circ 745 sxs of cmt to surface. WOC 24+ HRS
11/23/2017 Test Csg to 1500 psi for 30 Min, Good Test
11/25/2017 TD 12 1/4" Csg @ 4205?. Ran 9 5/8? 40# J-55 LTC csg 4205?. Dv Tool set @ 2755?
11/26/2017 Mix and Pump Stage 1 Lead cmt: 425 sxs of EconoCem, 12.9 ppg, 1.86 yld. Tail 295 sxs

HOBBS OCD
MAY 02 2018
RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #411018 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name *(Printed/Typed)* PATRICIA HOLLAND — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 04/10/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

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

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.

Pending BLM approvals will subsequently be reviewed and scanned

(Instructions on page 2)

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

Additional data for EC transaction #411018 that would not fit on the form

32. Additional remarks, continued

HalCem, 14.8 ppg, 1.33 yld. Stage 2 Cmt: 560 sxs of EconoCem, 12.9 ppg, 1.86 yld. Circ 53 sxs of cmt to surface. WOC 15+ HRS
12/6/2017 TD Well @ 13663?
Ran 5 1/2? 20# -110 CY BT&C @ 13363?
12/7/2017 Mix and Pump Lead Cmt: 1825 sxs NeoCem, 11.9 ppg, 21.128. Tail cmt: 1450 sxs VersaCem H, 14.5 ppg, 1.24 yld. Circ 981 sxs of cmt to surface. WOC
12/9/2017 Rig Released

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

HOBBS OCD
MAY 03 2018
RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMLC063586

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SOUTHERN CALIFORNIA 29 FEDERAL 19H

2. Name of Operator
CIMAREX ENERGY COMPANY OF CO
Contact: PATRICIA HOLLAND
E-Mail: pholland@cimarex.com

9. API Well No.
30-025-43070-00-X1

3a. Address
202 S CHEYENNE AVE. SUITE 1000
TULSA, OK 74103

3b. Phone No. (include area code)
Ph: 918-560-7081

10. Field and Pool or Exploratory Area
LUSK

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 29 T19S R32E SWSW 1390FSL 308FWL

11. County or Parish, State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Completion

1-11-18 ? Test casing to 9900# for 30 minutes. End pressure 9900#. Test OK.
1-23-18 ? 1-30-18 ? Perf 2nd Bone Spring @9349' ? 13635'; 837 Holes; .43. Frac w/8686923#'s sand and 5485615 gals fluid.
2-6-18 ? 2-9-18 ? Mill out plugs and CO to PBTD @ 13640'.
2-10-18 ? Flowback well
2-15-18 ? RIH w/ 2 3/8" tubing & ESP set @ 8753'. Turn well to production .

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

Electronic Submission #412290 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/25/2018 (18JAS0999SE)

Name *(Printed/Typed)* PATRICIA HOLLAND — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 04/25/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED — (BLM Approver Not Specified) Title — Date 04/25/2018

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 Hobbs

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
MAY 02 2018
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC063586

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 OF CO — Contact: PATRICIA HOLLAND — E-Mail: pholland@cimarex.com

8. Lease Name and Well No. SOUTHERN CALIFORNIA 29 FEDERAL 19H

3. Address: 202 S. CHEYENNE AVE STE 1000, TULSA, OK 74103

3a. Phone No. (include area code): Ph: 918.560.7081

9. API Well No. 30-025-43070

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

At surface: SWSW 1390FSL 308FWL 32.628016 N Lat, 103.795961 W Lon

At top prod interval reported below: SWSW 1390FSL 308FWL 32.628016 N Lat, 103.795961 W Lon

At total depth: SESE 1262FSL 330FEL 32.627600 N Lat, 103.780802 W Lon

10. Field and Pool, or Exploratory: LUSK BONE SPRING

11. Sec., T., R., M., or Block and Survey or Area: Sec 29 T19S R32E Mer

12. County or Parish: LEA — 13. State: NM

14. Date Spudded: 11/13/2017

15. Date T.D. Reached: 12/06/2017

16. Date Completed: ☐ D & A ☒ Ready to Prod. 02/10/2018

17. Elevations (DF, KB, RT, GL)*: 3546 GL

18. Total Depth: MD 13663 TVD 9183

19. Plug Back T.D.: MD 13660 TVD 9183

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): NONE

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J55	94.0	0	934		2445		0	0
17.500	13.375 J55	54.5	0	2692		2350		0	0
12.250	9.625 J55	40.0	0	4205	2755	1280		0	0
8.500	5.500 P110C	20.0	0	8529				0	0
8.500	5.500 P110C	20.0	8529	13663		3275		0	0

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	8753							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BONE SPRING	9349	13635	9349 TO 13635	0.430	837	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
9349 TO 13635	8686923#'S SAND & 5485615 GALS TOTAL FLUID

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
02/16/2018	03/10/2018	24	→	683.0	987.0	1052.0	40.0		ELECTRIC PUMP SUB-SURFACE

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
64	148 SI	168.0	→	683	987	1052	1445	POW

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
			→				

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #412762 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OP ...-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.)*
CAPTURED

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
DELAWARE SANDS	4400	5400	SANDSTONE: WATER/OIL/GAS	RUSTLER	860
BOND SPRING	7140	9480	SHALE: WATER/OIL/GAS	YATES	2570
BONE SPRING	7140	9480	SANDSTONE: WATER/OIL/GAS	DELAWARE	4400
				BONE SPRING	7140

32. Additional remarks (include plugging procedure):

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 #412762 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO., sent to the Hobbs

Name *(please print)* PATRICIA HOLLAND Title REGULATORY ANALYST

Signature (Electronic Submission) Date 04/30/2018

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 fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Submit Original to Appropriate District Office

HOBBS OCD
MAY 17 2018
RECEIVED

GAS CAPTURE PLAN

Date: 5/17/2018

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.:Cimarex Energy Co.- 215099

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Southern California 29 Fed 19H	30-025-43070	Sec 29-19S-32E	1390 FSL 308 FWL			FirstGasSales 2/17/18

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to DCP Midstream and will be connected to DCP Midstream low/high pressure gathering system located in Lea County, New Mexico. Cimarex Energy Co. provides (periodically) to DCP Midstream a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Cimarex Energy Co. and DCP Midstream have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DCP Midstream Processing Plant located in Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on DCP Midstream system at that time. Based on current information, it is Cimarex's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines