

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 Ste 1000 Tulsa OK 74103		² OGRID Number 215099
⁴ API Number 30 - 025-43542		³ Reason for Filing Code/ Effective Date NW - 4/2017
⁵ Pool Name Bell Lake, BS, North	⁶ Pool Code 05150	
⁷ Property Code 317293	⁸ Property Name Azul 13 State Federal Com	⁹ Well Number 1H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	13	23S	33E		335	North	360	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	13	23S	33E		331	South	385	West	Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date	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 Midstream. 370 17th St., Ste 2500 Denver CO	

NOTES
JUN 15 2017
RECEIVED

IV. Well Completion Data

²¹ Spud Date 1/30/17	²² Ready Date 04/09/17	²³ TD 13998	²⁴ PBDT 13995	²⁵ Perforations 9643-13970	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1126'	950		
12 1/4"	9 5/8"	5148'	2190		
8 3/4 & 8 1/2"	5 1/2"	13998'	2210		
	2-3/8	9121'			

V. Well Test Data

³¹ Date New Oil 4-17-17	³² Gas Delivery Date 4-27-17	³³ Test Date 5-5-17	³⁴ Test Length 24	³⁵ Tbg. Pressure 500	³⁶ Csg. Pressure 0
³⁷ Choke Size 44/64	³⁸ Oil 572	³⁹ Water 2466	⁴⁰ Gas 1033		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:

Printed name: Terri Stathem

Title: Manager Regulatory Compliance

E-mail Address: tstathem@cimarex.com

Date: 6-15-17

Phone: 432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Petroleum Engineer

06/15/17

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

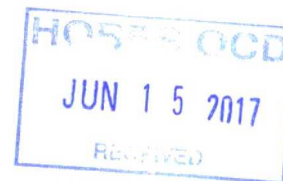
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM114986
2. Name of Operator CIMAREX ENERGY COMPANY Contact: TERRI STATHEM E-Mail: tstathem@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE, STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 432-620-1936	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T23S R33E NWNW 335FNL 360FWL		8. Well Name and No. AZUL 13 STATE FEDERAL COM 1H
		9. API Well No. 30-025-43542
		10. Field and Pool or Exploratory Area BONE SPRING
		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			
<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"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 must 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 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.

Drilling
01/30/17 MIRU. Spud well.
01/31/17 TD 17-1/2" hole @ 1126'. RIH w/ 13-3/8", 48#, H40 STC csg & set @ 1126'. DV tool @ 261-259'. Mix & pump 1st Stage: lead: 225 sx Class C, 13.5 ppg, 1.81 yld, cmt; tail w/ 390 sx Class C, 14.8 ppg, 1.35 yld, cmt.
02/01/17 Mix and pump 2nd stage tail: 335 sx Class C, 14.8 ppg, 1.35 yld. Circ 10 bbls cmt to surface. WOC 9+ hrs.
02/02/17 Test csg to 1200# for 30 mins. Ok.
02/06/17 TD 12-1/4" hole @ 5148'.
02/07/17 RIH w/ 9-5/8", 40#, J55, LTC csg & set @ 5148'. Mix & pump lead: 1775 sx Class C (35:65), 12.9 ppg, 1.87 yld; tail w/ 415 sx Class C, 14.8 ppg, 1.33 yld. Circ 234 sx to surface. WOC 8 + hours.



14. I hereby certify that the foregoing is true and correct. Electronic Submission #378762 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs	
Name (Printed/Typed) TERRI STATHEM	Title MANAGER REGULATORY COMPLIANCE
Signature (Electronic Submission)	Date 06/13/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 _____

Accepted for Record Only
PENDING RECEIPT OF APPROVED BLM FORM

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)

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

Additional data for EC transaction #378762 that would not fit on the form

32. Additional remarks, continued

02/08/17 Test csg to 1500# for 30 mins. Ok.
02/10/17 TD 8-3/4" vertical hole @ 9112'. TOH w/ BHA. TOOH & run logs.
02/12/17 TIH w/ curve assembly.
02/14/17 TD 8-3/4" curve @ 10647'. TOH w/ curve assembly. RIH w/ lateral assembly drilling 8-1/2" hole.
02/19/17 TD 8-1/2" hole @ 13998'. Circ and condition hole.
02/20/17 RIH w/ 5-1/2" csg & set @ 13998'. Csg details: 20#, HCL-80 LTC 0-8887'; 20# L80 BTC csg ? 8887-9588', 23# TN80S Tenaris Hydrill MS csg 9588-13998'.
02/21/17 Mix & pump lead: 760 sx Class H, 11.0 ppg; tail w/ 1450 sx Class H, 14.5 ppg, 1.2 yld. WOC.
02/22/17 Release rig.

Completion
03/13/17 Test to 8000# for 30 mins & chart.
03/16/17 MIRU. Run RCBL TOC @ 1810'.
03/18/17 to
03/29/17 Perf Avalon Bone Spring @ 9643-13970', .40, 646 holes. Frac w/ 224862 bbls total fluid; 13100354# total proppant.
04/03/17 to
04/05/17 Mill out plugs and CO to PBTD @ 13995'
04/06/17 Flowback well.
04/08/17 SWI
04/09/17 RIH w/ 2-3/8" tbg & pkr and set @ 9121'. Turn well to production.

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.
NNNM114986

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
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. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator CIMAREX ENERGY COMPANY		Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com	
3. Address 202 S. CHEYENNE AVE, STE 1000 TULSA, OK 74103		3a. Phone No. (include area code) Ph: 432-620-1936	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNW 335FNL 360FWL At top prod interval reported below NWNW 335FNL 360FWL At total depth SWSW 331FSL 385FWL		8. Lease Name and Well No. AZUL 13 STATE FEDERAL COM 1H	
14. Date Spudded 01/30/2017		15. Date T.D. Reached 02/19/2017	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/09/2017		9. API Well No. 30-025-43542	
18. Total Depth: MD 13998 TVD 9711		19. Plug Back T.D.: MD 13995 TVD	
20. Depth Bridge Plug Set: MD TVD		10. Field and Pool, or Exploratory BONE SPRING	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL LL-GR RES		11. Sec., T., R., M., or Block and Survey or Area Sec 13 T23S R33E Mer	
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 analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		12. County or Parish LEA	
23. Casing and Liner Record (Report all strings set in well)		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3574 GL			

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
17.500	13.375 H40	48.0	0	1126	261	950		0	0
12.250	9.625 J55	40.0	0	5148		2190		0	0
8.500	5.500 HCL80	20.0	0	13998		2210		1810	0

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9121	9121						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) AVALON BONE SPRING	9643	13970	9643 TO 13970	0.400	646	OPEN
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
9643 TO 13970	224862 BBLs TOTAL FLUID; 13100354# PROPPANT

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/17/2017	05/05/2017	24	→	572.0	1033.0	2466.0	42.9		FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
44/64	500	0.0	→	572	1033	2466	1806	POW	

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 reverse side)

ELECTRONIC SUBMISSION #378966 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Accepted for Record Only

PENDING RECEIPT OF
APPROVED BLM FORM

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
RUSTLER	1286		WATER	RUSTLER	1286
BRUSHY CANYON	7761		OIL/GAS	DELAWARE	5211
BONE SPRING	8881		OIL/GAS	BELL CANYON	5261
				CHERRY CANYON	6051
				BRUSHY CANYON	7761
				BONE SPRING	8881

32. Additional remarks (include plugging procedure):
LOGS SENT VIA OVERNIGHT MAIL

PRODUCTION CASING - PLEASE SEE DRILL OPS SUNDRY FOR MORE DETAILS

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 #378966 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (please print) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE

Signature _____ (Electronic Submission) Date 06/15/2017

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