

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. 600 N. Mainfield St. Suite 600 Midland, TX 79701		² OGRID Number 215089
		³ Reason for Filing Code/ Effective Date NW / 02/19/2019
⁴ API Number 30-025-45054	⁵ Pool Name Quail Ridge; Bone Spring	⁶ Pool Code 50460
⁷ Property Code 322219	⁸ Property Name Mescalero Ridge 21 Federal	⁹ Well Number 1H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South Line	Feet from the	East/West line	County
B	21	19S	34E		544	North	1980	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
P	21	19S	34E		104	South	670	East	Lea

¹² Lse Code F	¹³ Producing Method Cgs P	¹⁴ Gas Connection Date 02/19/2019	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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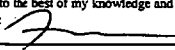
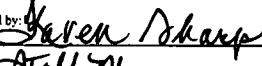
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
21778	Sunoco R&M PO Box 2039 Tulsa OK 74102	O
36785	DCP Midstream, LP 370 17th St Suite 2500 Denver CO 80202	G

IV. Well Completion Data

²¹ Spud Date 12/08/2018	²² Ready Date 02/19/2019	²³ TD 15,630'	²⁴ PBTD 15,627'	²⁵ Perforations 10,886'-15,602'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	1767'	1450 sx - TOC 0		
12-1/4"	9-5/8"	5421'	1860 sx - TOC 0		
8-3/4"	5-1/2"	15,630'	2490 sx - TOC 0		
Tubing	2-7/8"	10,542'			

V. Well Test Data

³¹ Date New Oil 02/19/2019	³² Gas Delivery Date 02/19/2019	³³ Test Date 03/16/2019	³⁴ Test Length 24	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 246
³⁷ Choke Size 63	³⁸ Oil 1781	³⁹ Water 1245	⁴⁰ Gas 521		⁴¹ Test Method P
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: 			OIL CONSERVATION DIVISION		
Printed name: Fatima Vasquez			Approved by: 		
Title: Regulatory Analyst			Title: Staff Mgr		
E-mail Address: fvasquez@cimarex.com			Approval Date: 6-12-19		
Date: 05/31/2019		Phone: (432) 620-1933			

Documents pending BLM approvals will
subsequently be reviewed and scanned

RECEIVED
JUN 19 2019

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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 OGD

JUN 5 2019

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM056376
2. Name of Operator CIMAREX ENERGY COMPANY Contact: FATIMA VASQUEZ E-Mail: fvasquez@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 N MARIENFELD ST STE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432.620.1933	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T19S R34E NWNE 544FNL 1980FEL 32.651506 N Lat, 103.563103 W Lon		8. Well Name and No. MESCALERO RIDGE 21 FEDERAL 1H
		9. API Well No. 30-025-45054
		10. Field and Pool or Exploratory Area QUAIL RIDGE; 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 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"/> Hydraulic Fracturing	<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	
	<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 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.

Cimarex would like to report the following:

05/18/2019 -
05/19/2019 RIH w/ ESP & 2-7/8" 6.5# L-80 8rd EUE prod tbg, set @ 10,542'.
05/20/2019 RTP.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #467171 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs	
Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/31/2019

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 _____
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

Documents pending BLM approvals will
subsequently be reviewed and scanned

Agency of the United

(Instructions on page 2)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

JUN 5 2019

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NNMM056376		
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 _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CIMAREX ENERGY COMPANY			Contact: FATIMA VASQUEZ E-Mail: fvasquez@cimarex.com		
3. Address 600 N MARIENFELD ST SUITE 600 MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432-620-1933		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 21 T19S R34E Mer At surface NWNE 544FNL 1980FEL 32.651506 N Lat, 103.563103 W Lon At top prod interval reported below Sec 21 T19S R34E Mer At total depth SESE 104FSL 670FEL			8. Lease Name and Well No. MESCALERO RIDGE 21 FEDERAL 1H		
14. Date Spudded 12/08/2018			15. Date T.D. Reached 12/25/2018		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/19/2019			9. API Well No. 30-025-45054		
18. Total Depth: MD 15630 TVD 10759			19. Plug Back T.D.: MD 15627 TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory QUAIL RIDGE; BONE SPRING		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, SGR			11. Sec., T., R., M., or Block and Survey or Area Sec 21 T19S R34E 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)* 3760 GL			14. Date Spudded 12/08/2018		
15. Date T.D. Reached 12/25/2018			16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/19/2019		
18. Total Depth: MD 15630 TVD 10759			19. Plug Back T.D.: MD 15627 TVD		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, SGR		
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)			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 J-55	54.5	0	1767		1450		0	
12.250	9.625 J-55	40.0	0	5421		1860		0	
8.750	5.500 P-110	20.0	0	15630		2490		0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	10542							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8250		10886 TO 15602	0.410	646	PRODUCING
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
10886 TO 15602	187,445 BBLs TOTAL FLUID & 9,502,510# SAND

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/19/2019	03/16/2019	24	→	1781.0	521.0	1245.0	40.0		ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
63	SI	246.0	→	1781	521	1245	293	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.	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 reverse side)

ELECTRONIC SUBMISSION #467234 VERIFIED BY THE BLM WELL INFORMATION S'
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTEDDocuments pending BLM approvals will
subsequently be reviewed and scanned

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
DELAWARE SANDS	5480	6720	SANDSTONE; WATER	RUSTLER	1630
BRUSHY CANYON	6720	8250	SANDSTONE; WATER	TOP OF SALT	1840
BONE SPRING	8250	9480	SANDSTONE; WATER, OIL, GAS	DELAWARE SANDS	5480
1ST BONE SPRING (SS)	9480	10000	SANDSTONE; WATER, OIL, GAS	BRUSHY CANYON	6720
2ND BONE SPRING (SS)	10000	10570	SANDSTONE; WATER, OIL, GAS	BONE SPRING	8250
3RD BONE SPRING (SS)	10570		SANDSTONE; WATER, OIL, GAS	1ST BONE SPRING (SS)	9480
				2ND BONE SPRING (SS)	10000
				3RD BONE SPRING (SS)	10570

32. Additional remarks (include plugging procedure):
 *** Correction on Perf Depths submitted on Comp Ops Sundry***

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 #467234 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (please print) FATIMA VASQUEZ Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 05/31/2019

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.

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