

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. Marienfeld Suite 600 Midland TX 79701		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date ND / 10/05/2018
⁴ API Number 30 - 015-44806	⁵ Pool Name Purple Sage Wolfcamp	⁶ Pool Code 98220
⁷ Property Code 321000	⁸ Property Name Scoter 6-31 Federal Com	⁹ Well Number 7H

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
Lot 7	6	25S	27E		410'	South	1090'	West	Eddy

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
Lot 1	31	24S	27E		331'	North	381'	West	Eddy

¹² Lse Code F	¹³ Prodlog Method Code GL	¹⁴ Gas Connection Date 10/05/2018	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
21788	Sunoco Inc. R&M PO Box 2039 Tulsa OK	O
226737	DCP Midstream 370 17th St., Ste 2500 Denver CO.	G

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ARTESIA DISTRICT
JAN 24 2019
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IV. Well Completion Data

²¹ Spud Date 5/15/18	²² Ready Date 10/05/2018	²³ TD 9453' TVD 19073' MD	²⁴ PBD 19042'	²⁵ Perforations 9396'-18970'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	416'	500 sks- TOC 0' - <i>Calc</i>		
12.25"	9.625"	2019'	820 sks- TOC 0' - <i>Calc</i>		
8.75"	7"	9560'	1000 sks- TOC 0' - <i>Calc</i>		
6"	4.5" Liner 3.5" tubing	7822'-19066' 7805'	770 sks- TOC Calc 9360'		

V. Well Test Data

³¹ Date New Oil 10/05/2018	³² Gas Delivery Date 10/05/2018	³³ Test Date 10/17/2018	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure 2681	³⁶ Csg. Pressure 0
³⁷ Choke Size 29	³⁸ Oil 216	³⁹ Water 3515	⁴⁰ Gas 3094	⁴¹ Test Method GL	

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.			OIL CONSERVATION DIVISION		
Signature: <i>Amidhy Crawford</i>			Approved by: <i>Rusty H... Business Ops Spec A</i>		
Printed name: Amidhy Crawford			Title:		
Title: Regulatory Analyst			Approval Date: 1-31-2019		
E-mail Address: acrawford@cimarex.com					
Date: 1/23/19		Phone: 432-620-1909			

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION
ARTESIA DISTRICT**

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 24 2019

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG
RECEIVED**

5. Lease Serial No.
NMNM110348

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 CO.** Contact: **AMITHY E CRAWFORD**
E-Mail: **acrawford@cimarex.com**

8. Lease Name and Well No.
SCOTER 6-31 FEDERAL COM 7H

3. Address **600 N. MARIENFELD SUITE 600
MIDLAND, TX 79701** 3a. Phone No. (include area code)
Ph: **432-620-1909**

9. API Well No.
30-015-44806

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **Sec 6 T25S R27E Mer
Lot 7 410FSL 1090FWL**
At top prod interval reported below **Sec 6 T25S R27E Mer
Lot 7 608'FNL 351FWL**
At total depth **Sec 31 T24S R27E Mer
Lot 1 331FNL 381FWL**

10. Field and Pool, or Exploratory
PURPLE SAGE WOLFCAMP

11. Sec., T., R., M., or Block and Survey
or Area **Sec 6 T25S R27E Mer**

12. County or Parish
EDDY 13. State
NM

14. Date Spudded **05/15/2018** 15. Date T.D. Reached **06/15/2018**
RR 6-17-18 16. Date Completed D & A Ready to Prod.
10/05/2018

17. Elevations (DF, KB, RT, GL)*
3279 GL

18. Total Depth: **MD 19073** 19. Plug Back T.D.: **MD 19042** 20. Depth Bridge Plug Set: **MD**
TVD 9453 **TVD 9453** **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. (#/R.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	416		500		0	164
12.250	9.625 J55	36.0	0	2019		820		0	276
8.750	7.000 N80	26.0	0	9560		1000		0	98
6.000	4.500 HCP110	13.5	7822	19066		770		9360	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3.500	7805	7805						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9396	18970	9396 TO 18970	0.400	1238	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9396 TO 18970	FRAC WITH 22597037 GAL SLICKWATER AND 22922619 LBS 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
10/05/2018	10/17/2018	24	→	216.0	3094.0	3515.0	52.9		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
29	2681	0.0	→	216	3094	3515	14324	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 Gra
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well
			→					

Pending BLM approvals will subsequently be reviewed and scanned
1-31-19

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

ELECTRONIC SUBMISSION #451510 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
SALADO	1200	1735		BELL CANYON	2010
CASTILLE	1735	2010		CHERRY CANYON	2850
BELL CANYON	2010	2850	WATER	BRUSHY CANYON	3930
CHERRY CANYON	2850	3930	WATER	BONE SPRING	5450
BRUSHY CANYON	3930	5450	WATER, GAS	WOLFCAMP	8500
BONE SPRING	5450	8500	WATER GAS OIL		
WOLFCAMP	8500		WATER GAS OIL		

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 #451510 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO., sent to the Carlsbad

Name (please print) AMITHY E CRAWFORD Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 01/23/2019

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 ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 24 2019

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.

RECEIVED

5. Lease Serial No. NMNM110348
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. SCOTER 6-31 FEDERAL COM 7H
9. API Well No. 30-015-44806
10. Field and Pool or Exploratory Area PURPLE SAGE WOLFCAMP
11. County or Parish, State EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator CIMAREX ENERGY CO.	Contact: AMITHY E CRAWFORD E-Mail: acrawford@cimarex.com
3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1909
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T25S R27E 410FSL 1090FWL	

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 type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Production Start-up
	<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 recomple 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.

Scoter 6-31 Fed Com 7H
Completion Ops

8/22/2018- Pressure up to 9680 psi held for 30 min. Pressure to 9402 psi. Good test.
8/29/2018 to 9/23/2018- Perforate Wolfcamp from 9396'-18970' with 1238 holes, .40. Frac with 22597037 gal slickwater and 22922619 lbs sand.
9/28/2018- Drill out plugs and tag PBTD at 19042'.
10/05/2018- RIH with 3.5" tubing and GLVs. Set tubing and packer at 7805'
10/05/2018- Turn well to Production.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #451500 verified by the BLM Well Information System For CIMAREX ENERGY CO., sent to the Carlsbad	
Name (Printed/Typed) AMITHY E CRAWFORD	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 01/23/2019

THIS SPACE FOR FEDERAL OR STATE

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 *1-31-19*

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 ****