

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

NM OIL CONSERVATION

ARTESIA DISTRICT
Submit one copy to appropriate District Office

JUL 21 2017

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION FOR TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado 202 S Cheyenne Ave Ste 1000 Tulsa OK 74103		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW - 06/06/17
⁴ API Number 30 - 015-44073	⁵ Pool Name Purple Sage Wolfcamp Gas	⁶ Pool Code 98220
⁷ Property Code 317461	⁸ Property Name Marquardt 12-13 Federal Com	⁹ Well Number 11H

II. ¹⁰ Surface Location

UL or lot no. D	Section 12	Township 25S	Range 26E	Lot Idn	Feet from the 565	North/South Line North	Feet from the 1309	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. M	Section 13	Township 25S	Range 26E	Lot Idn	Feet from the 330	North/South line South	Feet from the 391	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 6-14-17	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
33479	Holly Frontier Refining & Marketing LLC	
36785	DCP Midstream. 370 17th St., Ste 2500 Denver CO	

IV. Well Completion Data

²¹ Spud Date 3/13/17	²² Ready Date 6/6/2017	²³ TD 19027/4592	²⁴ PBTD 19003	²⁵ Perforations 9333-18987	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8'	457'	595		
12 1/4"	9 5/8"	1909'	850		
8 3/4"	7"	9720'	750		
6"	4-1/2"	7754-19027'	750		

V. Well Test Data

³¹ Date New Oil 6-16-17	³² Gas Delivery Date 6-14-17	³³ Test Date 7-5-17	³⁴ Test Length 24	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 2475
³⁷ Choke Size 40/64	³⁸ Oil 599	³⁹ Water 2495	⁴⁰ Gas 9126	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: 7-18-17

Phone: 432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will subsequently be reviewed and scanned

Provide tubing detail or request Tubing Exception

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 21 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM14124

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" 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: tstathe@cimarex.com		8. Lease Name and Well No. MARQUARDT 12-13 FEDERAL COM 11H	
3. Address 202 S CHEYENNE AVE., STE. 1000 TULSA, OK 74103		9. API Well No. 30-015-44073	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 12 T25S R26E Mer At surface NWNW 565FNL 1309FWL Sec 12 T25S R26E Mer At top prod interval reported below NWNW 565FNL 1309FWL Sec 13 T25S R26E Mer At total depth SWSW 330FSL 391FWL		10. Field and Pool, or Exploratory PURPLE SAGE WOLFCAMP GAS	
14. Date Spudded 03/13/2017		15. Date T.D. Reached 04/17/2017	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/06/2017		17. Elevations (DF, KB, RT, GL)* 3302 GL	
18. Total Depth: MD 19027 TVD 9592		19. Plug Back T.D.: MD 19003 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE	
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 J55	48.0	0	457		595		0	
12.250	9.625 J55	36.0	0	1909		850		0	
8.750	7.000 L80	32.0	0	9720		750		0	
6.000	4.500 HCP110	11.6	7754	19027		750		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)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9333	18987	9333 TO 18987	0.400	1320	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9333 TO 18987	523645 BBLs TOTAL FLUID & 27786801# 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
06/16/2017	07/05/2017	24	→	599.0	9126.0	2495.0	42.0		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	
40/64	SI	2475.0	→	599	9126	2495	15235	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	Well Status
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		
	SI		→						

Pending BLM approvals will subsequently be reviewed and scanned

3e 7-25-17

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

ELECTRONIC SUBMISSION #381563 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
DELAWARE SAND	1936	5496	WATER OIL GAS	DELAWARE	1936
BONE SPRING	5496	8450	WATER OIL GAS	BONE SPRING	5496
WOLFCAMP	8450		WATER OIL GAS	WOLFCAMP	8450

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 #381563 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) TERRI STATHEMTitle MANAGER REGULATORY COMPLIANCE

Signature _____ (Electronic Submission)

Date 07/18/2017

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 ****

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 type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM14124
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 202 S CHEYENNE AVE STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. MARQUARDT 12-13 FEDERAL COM 11H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T25S R26E 565FNL 1309FWL		9. API Well No. 30-015-44073
		10. Field and Pool or Exploratory Area WOLFCAMP
		11. County or Parish, State EDDY 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 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 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

03/13/17 Spud well @ 6:00 am. TD 17-1/2" surface hole @ 457'. RIH w/ 13-3/8", 48#, J55, STC csg & set @ 457'. Mix & pump 595 sx Class C, 14.8 ppg, 1.35 yld. Circ 270 sx to surface. WOC 8 hrs.
03/14/17 Test csg to 1500# for 30 mins. Good test.
03/15/17 TD 12-1/4" hole @ 1909'.
03/16/17 RIH w/ 9-5/8", 36#, J55 LTC csg & set @ 1909'. Mix & pump lead: 550 sx Class C, 13.5 ppg, 1.82 yld; tail w/ 300 sx Class C, 14.8 ppg, 1.35 yld. Circ 100 sx to surface. WOC 8 hrs.
03/17/17 Test csg to 1500# for 30 mins. Good test.
03/22/17 TD 8-3/4" vertical hole @ 8750'. TOH & LD BHA.
03/23/17 PU 8-3/4" curve BHA & drill curve.
03/24/17 TD curve @ 9720'. LDDP.
03/26/17 RIH w/ 7", 32#, L80 BTC csg & set @ 9720'. Mix & pump lead: 570 sx Class C 10.3 ppg,

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 21 2017

RECEIVED

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

Electronic Submission #381399 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (Printed/Typed) TERRI STATHEM

Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission)

Date 07/16/2017

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly to make 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 #381399 that would not fit on the form

32. Additional remarks, continued

3.64 yld, tail w/ 180 sx Class C 14.5 ppg, 1.24 yld. 97 sx cmt to surface. WOC 9 hrs.

03/27/17 Test csg to 3000# for 30 mins. OK.

03/29/17 TIH w/ 6" lateral assembly & drill lateral.

04/17/17 TD 6" hole @ 19027'.

04/18/17 LDDP. RIH w/ 4-1/2", 11.6#, HCP110, BTC liner & set @ 7754-19027'.

04/19/17 Mix & pump: 750 sx Versacem, 14.5 ppg, 1.22 yld. TOC @ TOL.

04/22/17 Release rig.

Completion

05/07/17 Test csg to 500# for 30 mins ? ok. Test csg to 9050# for 30 mins. OK.

05/08/17 to

6/03/17 Perf Wolfcamp @ 9333-18987' w/1320 holes, .40. Frac w/ 523,645 bbls total fluid and 27,786,801# sand.

06/04/17 Mill out plugs and CO to PBTD @ 19003'.

06/06/17 Flowback well.

06/08/17 SI well

06/09/17 Turn well over to production.

**Provide tubing detail or
request Tubing Exception**