

NM OIL CONSERVATION ARTESIA DISTRICT

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

FEB 19 2019

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

RECEIVED ☐ 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	
⁴ API Number 30 - 015-45022		³ Reason for Filing Code/ Effective Date ND/ 12/29/2018	
⁵ Pool Name Purple Sage Wolfcamp		⁶ Pool Code 98220	
⁷ Property Code 321482		⁸ Property Name Riverbend 12-13 Federal Com	
⁹ Well Number 30H			

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
K	1	25S	28E		1379'	South	1376'	West	Eddy

III. 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
N	13	25S	28E		330'	South	2254'	West	Eddy

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 12/29/2018	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	O/G/W
21778	Sunoco R&M PO Box 2039 Tulsa OK 74102	O
703107	Lucid Energy Delaware, LLC 3100 McKinnon St. Suite 800 Dallas TX 75201	G

IV. Well Completion Data

²¹ Spud Date 8/17/2018	²² Ready Date 12/29/2018	²³ TD 20738/9735	²⁴ PBD 20650	²⁵ Perforations 10778-20641	²⁶ DHIC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375" 48# J55 STC	458'	810 sks, TOC 0' - CUC		
12.25"	9.625" 36# J-55 LTC	2635'	1125 sks, TOC 0' - CUC		
8.75"	7" 32# L80/RHS-110	10011'	890 sks, TOC 0' - CUC		
6"	4.5" Liner 3.5" Tubing	8227' TOL-20738' BOL 8205'	850 sks, TOC 8227'		

V. Well Test Data

³¹ Date New Oil 12/29/2018	³² Gas Delivery Date 12/29/2018	³³ Test Date 01/04/2019	³⁴ Test Length 24hs	³⁵ Tbg. Pressure 2237	³⁶ Csg. Pressure 226
³⁷ Choke Size 34	³⁸ Oil 430	³⁹ Water 1850	⁴⁰ Gas 2333	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:

Printed name:
Amylthy Crawford

Title:
Regulatory Analyst

E-mail Address:
acrawford@cimarex.com

Date:
2/18/19

OIL CONSERVATION DIVISION

Approved by:

Title:
Business Ops Sr A

Approval Date:
2-19-2019

Pending BLM approvals will
subsequently be reviewed
and scanned

**N OIL CONSERVATION
ARTESIA DISTRICT**

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 19 2019

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

RECEIVED

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 CO. Contact: AMITHY E CRAWFORD E-Mail: acrawford@cimarex.com		8. Lease Name and Well No. RIVERBEND 12-13 FEDERAL COM 30H	
3. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701		9. API Well No. 30-015-45022	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1379FSL 1376FWL Sec 12 T25S R28E Mer At top prod interval reported below NENW 340FNL 2255FWL Sec 13 T25S R28E Mer At total depth SESW 330FSL 2254FWL Sec 13 T25S R28E Mer		10. Field and Pool, or Exploratory PURPLE SAGE WOLFCAMP	
14. Date Spudded 08/17/2018		11. Sec., T., R., M., or Block and Survey or Area Sec 1 T25S R28E Mer	
15. Date T.D. Reached 09/13/2018 <i>RR 9-17-18</i>		12. County or Parish EDDY	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/29/2018		13. State NM	
17. Elevations (DF, KB, RT, GL)* 2937 GL			
18. Total Depth: MD 20738 TVD 9735		19. Plug Back T.D.: MD 20650 TVD 9735	
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	458		810		0	457
12.250	9.625 J55	36.0	0	2635		1125		0	487
8.750	7.000 L80	32.0	0	10011		890		0	225
6.000	4.500 HCP110	13.5	8227	20738		850		8227	

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	8205	8205						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9600		10778 TO 20641	0.430	1392	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10778 TO 20641	19461886 GAL SLICKWATER & 24084523 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
12/29/2018	01/04/2019	24	→	430.0	2333.0	1850.0	47.9		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34	2237	226.0	→	430	2333	1850	5425	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 Grr
			→					
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
2-19-19

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

ELECTRONIC SUBMISSION #455082 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
RUSTLER	431	1898	BARREN	RUSTLER	431
SALADO	1898	2461	BARREN	SALADO	1898
CASTILLE	2461	2645	BARREN	CASTILLE	2461
DELAWARE SANDS	2645	6362	WATER OIL	DELAWARE SANDS	2645
BONE SPRING	6362	9600	WATER GAS OIL	BONE SPRING	6362
WOLFCAMP	9600		WATER GAS OIL	WOLFCAMP	9600

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 #455082 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO., sent to the Carlsbad

Name (please print) AMITHY E CRAWFORDTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 02/19/2019

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 ****

NM OIL CONSERVATION
ARTESIA DISTRICTUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

FEB 19 2019

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

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No. NMNM88128
		6. If Indian, Allottee or Tribe Name
		7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. RIVERBEND 12-13 FEDERAL COM 30H
2. Name of Operator CIMAREX ENERGY CO.		9. API Well No. 30-015-45022
Contact: AMITHY E CRAWFORD E-Mail: acrawford@cimarex.com		
3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-620-1909	10. Field and Pool or Exploratory Area PURPLE SAGE WOLFCAMP
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T25S R28E 1379FSL 1376FWL		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 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.

Riverbend 12-13 Federal Com 30H
30-015-45022
Cimarex Energy Co.
Sec 01 25S 28E - Eddy County NM

08/17/2018 Spud well.

08/18/2018 TD 17.5" hole @ 457'. RIH w/ 13.375", 48# J-55, STC Casing & set @ 458'. Mix and Pump 810 sks Class C Cement, 1.34 yield, 8.4ppg. Cement to Surface. Circ 457 sks cement. W/O cement 8 hours.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #454576 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 02/13/2019
THIS SPACE FOR FEDERAL OR STATE OFFICE	
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 and will 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
2-19-19

...make to any department or agency of the United

Additional data for EC transaction #454576 that would not fit on the form

32. Additional remarks, continued

08/19/2018 Test Casing to 1500 psi for 30 min. Good Test.

08/21/2018 TD 12.25" hole @ 2645'.

08/22/2018 RIH with 9.625", 36# J-55 LTC Casing & Set at 2635'. LEAD: Mix and Pump 800 sks Class C cement, 1.67 yield. 13.7ppg. TAIL: 325 sks Class C Cement, 1.34 yield. 14.8ppg. Cement to Surface. Circ 487 sks cement W/O Cement 13 hours. Test Casing to 2400 psi for 30 min. Good Test.

08/30/2018 TD 8.75" hole @ 10025'.

08/31/2018 RIH with 7" 32# L80/ RYS-110 BTC Casing & Set @ 10011'.

09/01/2018 LEAD: mix and pump 640 sks class C Neocem 3.436 yield. 10.5 ppg. TAIL: Mix and Pump 250 sks Class H, 1.186 yield. 14.6 ppg. Cement to Surface. Circ 225 sks. W/O Cement 4 hrs.

09/03/2018 Test Casing to 2500 psi for 30 min. Good test.

09/13/2018 TD 6" Hole @ 20738'.

09/15/2018 RIH with 4.5" 13.5# HCP-110 BTC liner. TOL @ 8227'. BOL @ 20738'. Cement Liner with 850 sks Class H Cement, 1.223 yield, 14.5ppg. W/O Cement 13 hours.

09/17/2018 Rig Released.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 19 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.*5. Lease Serial No.
NMNM88128

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
RIVERBEND 12-13 FEDERAL COM 30H9. API Well No.
30-015-4502210. Field and Pool or Exploratory Area
PURPLE SAGE WOLFCAMP11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
CIMAREX ENERGY CO.Contact: AMITHY E CRAWFORD
E-Mail: acrawford@cimarex.com3a. Address
600 N. MARIENFELD SUITE 600
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-620-19094. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 1 T25S R28E 1379FSL 1376FWL**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	Production Start-up
	<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 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.

Riverbend 12-13 Federal Com 30H
Completion Ops

11/3/2018 Test Casing to 500 psi for 30 min. Good Test.
11/4/2018 to 12/14/2018 Perforate Wolfcamp from 10778'-20641' with 1392 holes, .43. Frac with
19461886 gal slickwater and 24084523 lbs sand.
12/19/2018 to 12/21/2018- Drill out plugs and tag PBTD at 20650'.
10/07/2018- RIH with 3 1/2" tubing GLV & Packer and set at 8205'.
12/29/2018- Turn well to Production.

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

**Electronic Submission #454962 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 02/18/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE

Approved By

Title

Pending BLM approvals will
subsequently be reviewed
and scanned
2-19-19

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 a
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

make to any department or agency of the United