

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. of Colorado 202 S. Cheyenne Ave. Suite 1000 tulsa OK 74103		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date ND/ 4/20/2018
⁴ API Number 30 - 0 15-42739	⁵ Pool Name Purple Sage Wolfcamp Gas	⁶ Pool Code 98220
⁷ Property Code 313808	⁸ Property Name Laguna Grande Unit	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
B	29	23S	29E		180'	North	1650'	East	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
O	29	23S	29E		326'	South	1878'	East	Eddy

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	4/20/2018			

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
703107	Lucid Energy	G
NM OIL CONSERVATION ARTESIA DISTRICT JUL 18 2018 RECEIVED		

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
1/11/2018	4/20/2018	14595' MD 9995 TVD	14582'	10202'-14555'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12.25	9.625	2863'	1455 sks - CUC		
8.75	7	10135'	890 sks - CUC		
6	4.5	14595'	365 sks		
	3 1/2"	8487			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
5/1/2018	4/20/2018	6/4/2018	24 hrs	3159	227
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
22	974	1219	1852		

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>Amithy Crawford</i>		Approved by: <i>Rusty Hill</i>	
Printed name: Amithy Crawford		Title: <i>Business Operations</i>	
Title: Regulatory Analyst		Approval Date: 7-20-2018	
E-mail Address: acrawford@cimarex.com			
Date: 7/6/2018	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

JUL 18 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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Lease Serial No.
NMNM19848

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

2. Name of Operator **CIMAREX ENERGY CO.** Contact: **AMITHY E CRAWFORD**
 E-Mail: **acrawford@cimarex.com**

3. Address **202 S. CHEYENNE AVE. SUITE 1000** 3a. Phone No. (include area code) **432-620-1909**
TULSA, OK 74103 Ph: **432-620-1909**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **NWNE 180E S1650FEL**
 At top prod interval reported below **NWNE 600FNL 1848FEL**
 At total depth **SWSE 326FSL 1878FEL**

14. Date Spudded **01/11/2018** 15. Date T.D. Reached **01/31/2018** 16. Date Completed **04/20/2018**
 D & A Ready to Prod.

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

18. Total Depth: MD **14595** TVD **9995** 19. Plug Back T.D.: MD **14582** TVD **9995** 20. Depth Bridge Plug Set: MD **14582** TVD **9995**

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. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	36.0	0	2863		1455		0	521
8.750	7.000 N80	26.0	0	10135		620	890 - CUE	0	200
6.000	4.500 HCP110	11.6	8516	14595		365		8516	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)
3.500	8487	8487						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10202	14555	10202 TO 14555	0.430	770	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10202 TO 14555	8533624 GAL SLICK WATER AND 10895945 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
05/01/2018	06/04/2018	24	→	974.0	1852.0	1219.0	42.6		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22	3159	227.0	→	974	1852	1219	1901	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	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

Pending BLM approvals will subsequently be reviewed and scanned

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #426529 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
 ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPEI

RECEIVED

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
BELL CANYON	2923	3902	SANDSTONE: WATER	RUSTLER	1800
CHERRY CANYON	3902	4987	SANDSTONE: WATER	CHERRY CANYON	3902
BRUSHY CANYON	4987	6615	SANDSTONE: WATER OIL GAS	SALADO	680
BONE SPRING	6615	9897	SANDSTONE WATER OIL GAS	CASTILE	2705
				BELL CANYON	2923
				BONE SPRING	6615

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 #426529 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 07/06/2018

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.

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