

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

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. of Colorado 600 N. Marienfeld Street, Suite 600 Midland, TX 79701		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW - 8/21/14
⁴ API Number 30-015 - 39917	⁵ Pool Name Avalon Bone Spring; E	⁶ Pool Code 3713
⁷ Property Code 39062	⁸ Property Name Lee Federal	⁹ Well Number 20H

II. ¹⁰ Surface Location

UL or lot no. P	Section 25	Township 20S	Range 28E	Lot Idn	Feet from the 660	North/South Line South	Feet from the 330	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. M	Section 25	Township 20S	Range 28E	Lot Idn	Feet from the 661	North/South line South	Feet from the 356	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/23/14	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
21778	Sunoco Inc. R & M P O Box 2039; Tulsa OK	
226737	DCP Midstream. 370 17th St., Ste 2500 Denver CO	

IV. Well Completion Data

²¹ Spud Date 5/25/14	²² Ready Date 8/21/14	²³ TD 12126 / 7634	²⁴ PBTD 12100	²⁵ Perforations 7600-12085	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
26"	20'	257	900		
17 1/2"	13 3/8"	1412	1125		
12 1/4"	9 5/8"	3027	1110		
8 1/2"	5 1/2"	12125	2330 TOC @ 0		

V. Well Test Data

³¹ Date New Oil 8/23/14	³² Gas Delivery Date 8/23/14	³³ Test Date 8/27/14	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure 240	³⁶ Csg. Pressure 100
³⁷ Choke Size 64	³⁸ Oil 443	³⁹ Water 1297	⁴⁰ Gas 448		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:
Aricka Easterling

Title:
Regulatory Analyst

E-mail Address:
aeasterling@cimarex.com

Date:
10/8/14

Phone:
918-560-7060

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

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

OCT 14 2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

5. Lease Serial No.
NMNM17103

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: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com			8. Lease Name and Well No. LEE FEDERAL 20H		
3. Address 202 S. CHEYENNE, SUITE 1000 TULSA, OK 74103			9. API Well No. 30-015-39917		
3a. Phone No. (include area code) Ph: 918-560-7060					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE 660 FSL 330FEL At top prod interval reported below NENE 660 FSL 330FEL At total depth NWNW 661FSL 356FWL			10. Field and Pool, or Exploratory AVALON; BONE SPRING EAST		
			11. Sec., T., R., M., or Block and Survey or Area Sec 25 T20S R28E Mer		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 05/25/2014		15. Date T.D. Reached 06/12/2014	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/21/2014		17. Elevations (DF, KB, RT, GL)* 3232 GL
18. Total Depth: MD 12126 TVD 7640		19. Plug Back T.D.: MD 12100 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DSN & DLL				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
26.000	20.000 J55	94.0	0	257		900		0	375
17.500	13.375 J55	54.4	0	1412		1125		0	300
12.250	9.625 J55	36.0	0	3027		1100		0	274
8.750	5.500 P110	17.0	0	12125		2330		0	45

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7080	7080						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7600	12085	7600 TO 12085	0.540	240	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7600 TO 12085	FRAC WITH 1,762,849 GAL TOTAL FLUID & 2,670,519 # 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
08/21/2014	08/27/2014	24	→	443.0	448.0	1297.0	41.5		ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	240	100.0	→	443	448	1297	1011		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #269591 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
CHERRY CANYON	2890		SANDSTONE; WATER	YATES	930
BONE SPRING	5493		SANDSTONE; LIMESTONE	CAPITAN	1410
1ST BONE SPRING	6627		SANDSTONE, WATER, OIL	CHERRY CANYON	2890
				BRUSHY CANYON	3830
				BONE SPRING	5493
				1ST BONE SPRING	6627
				2ND BONE SPRING	6879

32. Additional remarks (include plugging procedure):

Logs are being send to the Carlsbad field office via Fed Ex.

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 #269591 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) ARICKA EASTERLING

Title REGULATORY ANALYST 

Signature _____ (Electronic Submission)

Date 10/09/2014

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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