

# NM OIL CONSERVATION

OKT- Artesia

JAN 13 2015

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM17103	
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 _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CIMAREX ENERGY COMPANY		7. Unit or CA Agreement Name and No.	
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		10. Field and Pool, or Exploratory AVALON; BONE SPRING EAST	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <del>NENE</del> <sup>SESE</sup> 660 FSL 330FEL At top prod interval reported below <del>NENE</del> <sup>SESE</sup> 660 FSL 330FEL At total depth <del>NW</del> <sup>SWSW</sup> 661 FSL 356FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 25 T20S R28E Mer	
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 12125 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

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64	240 SI	100.0	→	443	448	1297	1011	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

JAN 7 2015

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

Accepted for record

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

ELECTRONIC SUBMISSION #269591 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

RECLAIMATION OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

DUE 2/27/15

## 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  
Committed to AFMSS for processing by DEBORAH HAM on 12/30/2014 ()

Name (please print) ARICKA EASTERLINGTitle 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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