

## NM OIL CONSERVATION

ARTESIA DISTRICT

OCD Artesia  
JAN 13 2015Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT ~~AN RECEIVED~~5. Lease Serial No.  
NMNM120887

BHL-NM 11949

- 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
 b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
 Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

NMNM 133250

2. Name of Operator  
CIMAREX ENERGY COMPANY

Contact: ARICKA EASTERLING

E-Mail: aeasterling@cimarex.com

8. Lease Name and Well No.  
HAYDUKE 34 FED COM 3H3. Address 202 S. CHEYENNE, SUITE 1000  
TULSA, OK 741033a. Phone No. (include area code)  
Ph: 918-560-70609. API Well No.  
30-015-39355

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NESE 1880FSL 200FEL

At top prod interval reported below NESE 1880FSL 200FEL

At total depth ~~NESE~~ ~~SW 66~~ 664FSL 752FEL - Sec. 3, T26S, R26E10. Field and Pool, or Exploratory  
SAGE DRAW, EAST11. Sec., T., R., M., or Block and Survey  
or Area Sec 34 T25S R26E Mer12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
06/06/201415. Date T.D. Reached  
07/09/201416. Date Completed  
☐ D & A ☒ Ready to Prod.  
08/18/201417. Elevations (DF, KB, RT, GL)\*  
3364 GL

18. Total Depth:

MD  
TVD 16105  
9580

19. Plug Back T.D.:

MD  
TVD 1600820. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DSN & DLL22. 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
17.500	13.375 J55	48.0	0	460		688		0	188
12.250	9.625 J55	36.0	0	1933		760		0	221
8.500	7.000 L80	32.0	0	9815		845		0	27
6.000	4.500 P110	11.6	8610	16100		690		0	129

## 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	9629	16000	9629 TO 16000	0.540	672	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9629 TO 16000	FRAC WITH 10,277.976 & GAL TOTAL FLUID & 8,130,533 # 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
08/19/2014	08/27/2014	24	→	81.0	1568.0	1305.0	57.8	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
19	SI	2700.0	→	81	1568	1305	19358	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
			→					
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	SI		→					

ACCEPTED FOR RECORD  
ELECTRIC PUMP SUB-SURFACE  
JAN 6 2015  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

RELECTRONIC SUBMISSION #281109 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

DUE 2/19/15 \*\* 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	Thg. 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	Thg. 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
BELL CANYON	1951	2909	WATER	SALADO	1114
CHERRY CANYON	2980	3612	WATER	CASTILLE	1745
BONE SPRING	6970	7455	WATER & OIL	BELL CANYON	1899
BONE SPRING	8269	8629	WATER	CHERRY CANYON	2909
WOLFCAMP	9244	9646	WATER & GAS	BRUSHY CANYON	3923
				BONE SPRING	5438
				WOLFCAMP	8630

## 32. Additional remarks (include plugging procedure):

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

Please hold confidential for 1 year.

## 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 #281109 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 EASTERLING

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/20/2014

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***