

NM OIL CONSERVATION

OKT- Artesia DISTRICT

JAN 13 2015

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

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
RECEIVED

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 COMPANY** Contact: **ARICKA EASTERLING**
 E-Mail: **aeasterling@cimarex.com**

3. Address **202 S. CHEYENNE, SUITE 1000 TULSA, OK 74103** 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 **SESE NENE 660 FSL 330FEL**
 At top prod interval reported below **SESE NENE 660 FSL 330FEL**
 At total depth **SWSW NENE 661 FSL 356FWL**

5. Lease Serial No. **NMNM17103**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No. **LEE FEDERAL 20H**

9. API Well No. **30-015-39917**

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 D & A 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? 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
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. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	SI 240	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
			→						BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
Choke Size	Tbg. Press. Flwg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD
 JAN 7 2015
Subrah K...
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

Accepted for record
 NMOSD *WJ*

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

ELECTRONIC SUBMISSION #269591 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

RECLAIMA 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 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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