

## NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 19 2005

OCD Artesia

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM96835

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
LIBERTY 24 FEDERAL COM 29. API Well No.  
30-015-3368310. Field and Pool, or Exploratory  
COTTONWOOD DRAW U. PENN11. Sec., T., R., M., or Block and Survey  
or Area Sec 24 T25S R26E Mer12. County or Parish  
EDDY13. State  
NM17. Elevations (DF, KB, RT, GL)\*  
3227 GL1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.  
Other2. Name of Operator  
CIMAREX ENERGY COMPANY Contact: PAULA BRUNSON  
E-Mail: pbrunson@cimarex.com3. Address 600 N MARIENFELD STE 600  
MIDLAND, TX 797013a. Phone No. (include area code)  
Ph: 432-571-7848

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

At surface 1475FSL 940FWL

At top prod interval reported below 1475FSL 940FWL

At total depth 1475FSL 940FWL

14. Date Spudded  
03/17/200515. Date T.D. Reached  
04/15/200516. Date Completed  
☐ D & A ☒ Ready to Prod.  
10/30/201318. Total Depth: MD 12330  
TVD19. Plug Back T.D.: MD 11426  
TVD20. Depth Bridge Plug Set: MD 11461  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

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
17.500	13.375 J55	54.5	0	220		250		0	
12.250	9.625 P100	40.0	0	1935		650		0	
8.750	7.000 P110	23.0	0	9016		500		0	
6.125	4.500 P110	11.6	0	12330		400		7446	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	11466							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
CISCO CANYON	10261	10538	11556 TO 11956		186	ABANDONED.CIBP@11506 W/35'
C2 Cisco Canyon	9378	9877	10261 TO 10538	0.410	165	OPEN
C3 Wolfcamp			9378 TO 9877	0.410	174	OPEN
D)						

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

Depth Interval	Amount and Type of Material
10261 TO 10538	11810 BBLS FLUID, 279828 LBS SAND
9378 TO 9877	19125 BBLS FLUID, 634771 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
11/06/2013	11/07/2013	24	→	25.0	183.0	412.0	55.0	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
12	SI 1325	25.0	→	25	183	412	732	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
11/06/2013	11/07/2013	24	→	61.0	427.0	1010.0	55.0	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
12	SI 1325	25.0	→	61	427	1010	700	PGW

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

OCT 14 2015

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE  
ELECTRIC PUMPING UNIT

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

ELECTRONIC SUBMISSION #298545 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.)

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	1926	2850	WATER	BELL CANYON	1926
CHERRY CANYON	2850	3882	WATER	CHERRY CANYON	2850
BONE SPRING	5402	8593	WATER, OIL, GAS	BONE SPRING	5402
WOLFCAMP	8593	10239	WATER, OIL, GAS	WOLFCAMP	8593
CISCO CANYON	10239	10543	WATER, OIL, GAS	CISCO CANYON	10239
STRAWN	10543	10696	WATER, GAS	STRAWN	10543
MORROW	11268	11956	WATER, GAS	ATOKA	10696
				MORROW	11268

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

Please see attachments:  
Well Bore Diagram  
C-102 Cisco Canyon  
C-102 Wolfcamp  
C-104 Cisco Canyon  
C-104 Wolfcamp  
OCD Order DHC-4682

## 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 #298545 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 05/15/2015 ()

Name (please print) PAULA BRUNSON

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/17/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and wilfully 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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