

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
NMOCD
JUN 20 2016
Artesia DISTRICTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM141241a. 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.

2. Name of Operator
CIMAREX ENERGY COMPANY OF OK
Contact: ARICKA EASTERLING
Email: aeasterling@cimarex.com8. Lease Name and Well No.
MARQUARDT FEDERAL 16H3. Address 202 S CHEYENNE AVE SUITE 1000
TULSA, OK 74103.43463a. Phone No. (include area code)
Ph: 918-560-70609. API Well No.
30-015-42487-00-S1

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

Sec 12 T25S R26E Mer NMP
At surface NWNW 20FNL 610FWL 32.090635 N Lat, 104.151193 W Lon
Sec 12 T25S R26E Mer NMP
At top prod interval reported below NWNW 20FNL 610FWL
Sec 1 T25S R26E Mer NMP
At total depth NWNW 330FNL 474FWL10. Field and Pool, or Exploratory
COTTONWOOD DRAW-BONE SPRING11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T25S R26E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
10/16/201515. Date T.D. Reached
10/28/201516. Date Completed
☐ D & A ☒ Ready to Prod.
02/11/201617. Elevations (DF, KB, RT, GL)*
3310 GL18. Total Depth: MD 12054
TVD 716219. Plug Back T.D.: MD 12043
TVD 716220. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
N/A22. 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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	48.0	0	412		505	120	0	
12.250	9.625 J-55	36.0	0	1940		710	213	0	
8.500	5.500 L-80	17.0	0	12054		2140	685	0	

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	6161	6161						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7409	12015	7409 TO 12015	0.460	600	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7409 TO 12015	FRAC WITH 5,426.785 GAL FRAC FLUID & 8,552,100 # SAND.
	Accepted for record - NMOCD

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
02/11/2016	02/16/2011	24	→	140.0	1017.0	1366.0	37.0		GAS LIFT
Choke Size	Tbg. Press. Flwg. 700 SI	Csg. Press. 200.0	24 Hr. Rate →	Oil BBL 140	Gas MCF 197	Water BBL 1366	Gas:Oil Ratio 1407	Well Status POW	

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. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

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

ELECTRONIC SUBMISSION #332960 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

RECLAMATION DUE:
AUG 11 2016DAVID R. GLASS
PETROLEUM ENGINEERACCEPTED FOR RECORD
AS/ DAVID R. GLASS
JUN 01 2016
AB
105
4/22/16

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 Plwg. SI	Gas 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 Plwg. SI	Gas 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
RUSTLER	0	1160		TOP SALT	1160
BELL CANYON	2000	2940	WATER	BASE OF SALT	1740
CHERRY CANYON	2940	4080	WATER	BELL CANYON	2000
BRUSHY CANYON	4080	5430	WATER OIL AND GAS	CHERRY CANYON	2940
BONE SPRING	5430	8160	WATER OIL AND GAS	BRUSHY CANYON	4080
				BONE SPRING	5430

32. Additional remarks (include plugging procedure):

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 #332960 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 05/20/2016 (16JAS1564SE)

Name (please print) ARICKA EASTERLINGTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 03/07/2016

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****