

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM 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

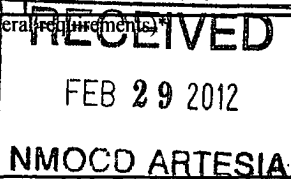
2. Name of Operator  
CIMAREX ENERGY COMPANY OF CO. Contact: CAROLYN LARSON  
Email: clarson@cimarex.com8. Lease Name and Well No.  
MARQUARDT 12 PENN FEDERAL 13. Address 600 NORTH MARIENFELD STREET SUITE 600  
MIDLAND, TX 797013a. Phone No. (include area code)  
Ph. 432-620-19469. API Well No.  
30-015-33461-00-C2

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

At surface SWNE 880FSL 1760FEL

At top prod interval reported below SWNE 880FSL 1760FEL

At total depth SWNE 880FSL 1760FEL

10. Field and Pool, or Exploratory  
SAGE DRAW11. Sec., T., R., M., or Block and Survey  
or Area Sec 12 T25S R26E Mer NMP12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
07/25/201115. Date T.D. Reached  
08/12/201116. Date Completed  
☐ D & A ☒ Ready to Prod  
08/22/201117. Elevations (DF, KB, RT, GL)\*  
3254 GL18. Total Depth: MD 12150  
TVD 1207919. Plug Back T.D.: MD 11165  
TVD 1116520. Depth Bridge Plug Set. MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE22. 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.000	13.375 J-55	54.5		218		225		0	
12.250	9.625 N-80	40.0		3204		1000		0	
8.750	5.500 P-110	17.0		12141		2150		3640	

## 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	9189	9260						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CISCO	10078	10294	9359 TO 9479	0.000	60	OPEN, Wolfcamp
B)			9513 TO 9600	0.000	66	OPEN, Wolfcamp
C)			9648 TO 9781	0.000	60	OPEN, Wolfcamp
D)			10078 TO 10172	0.000	57	OPEN, Cisco

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

Depth Interval	Amount and Type of Material
9359 TO 9479	ACDZ & FRAC'D W/263,042 GALS SLICKWATER & 219,259# 40/70 SAND
9513 TO 9600	ACDZ & FRAC'D W/221,206 GALS SLICKWATER & 169,614# 40/70 SAND
9648 TO 9781	ACDZ & FRAC'D W/273,232 GALS SLICKWATER & 229,628# 40/70 SAND
10078 TO 10172	ACDZ & FRAC'D W/215,402 GALS SLICKWATER & 169,070# 40/70 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
08/13/2011	09/08/2011	24	→	11.0	270.0	37.0	59.0		FLows FROM WELL
Choke Size	Tbg Press Flwg 1000 SI	Csg Press 0.0	24 Hr Rate →	Oil BBL 11	Gas MCF 270	Water BBL 37	Gas Oil Ratio 24545	Well Status 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
			→						JAN 7 2012
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 #127344 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

BUREAU OF LAND MANAGEMENT  
OFFICE OF THE ASSISTANT DIRECTOR  
WELL COMPLETION REPORT AND LOG

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

## 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):

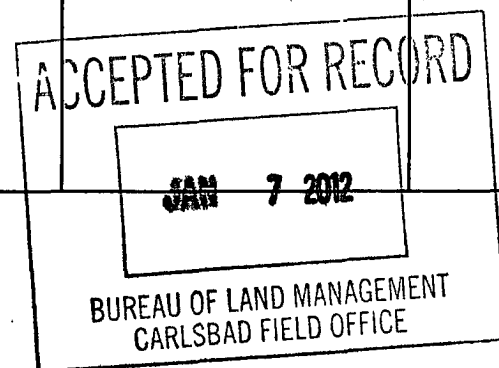
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

## 32 Additional remarks (include plugging procedure):

- #43. 10,204'-10,294' 60 holes Open  
 #44. 10,204'-10,294' Acdz & frac'd w/180,074 gals Slickwater w/114,531# 40/70 sand  
 #54 C-102, wellbore diagram



## 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 #127344 Verified by the BLM Well Information System.  
 For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
 Committed to AFMSS for processing by DEBORAH MCKINNEY on 01/06/2012 (12DLM0389SE)

Name (please print) CAROLYN LARSONTitle CONTRACT REGULATORY ANALYSTSignature (Electronic Submission)Date 01/04/2012

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 \*\***