Form 3160-4
(August 2007)

OCD Artesia

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No. NMNM14847

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.

2 Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: TERRI STATHEM EMail: tstathem@cimarex com

8. Lease Name and Well No PERE MARQUETTE 18 FEDERAL 11

3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701

3a. Phone No. (include area code) Ph: 432 571.7800

9 API Well No. 30-015-39056-00-S1

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

At surface SENW 2080FNL 1873FWL 32.836169 N Lat, 104.115285 W Lon

At top prod interval reported below SENW 2080FNL 1873FWL

At total depth SENW 2080FNL 1873FWL

10 Field and Pool, or Exploratory EMPIRE

11 Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R29E Mer NMP

12. County or Parish EDDY

13 State NM

14. Date Spudded 08/08/2011

15 Date T.D. Reached 08/14/2011

16. Date Completed ☐ D & A ☒ Ready to Prod. 08/31/2011

17. Elevations (DF, KB, RT, GL)* 3677 GL

18. Total Depth MD 4722 TVD

19. Plug Back T.D.: MD 4674 TVD

20. Depth Bridge Plug Set: MD TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each) 3677 GL

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	9.625 J-55	36.0	0	289		590		0	
7.875	5.500 L-80	17.0	0	4722		900		0	

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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	3696							

25. Producing Intervals

26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	PADDOCK	3880	4150	3880 TO 4150		52	OPEN, Paddock
B)	BLINEBRY	4256	4609	4256 TO 4609		28	OPEN, Blinebry
C)							
D)							

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

Depth Interval	Amount and Type of Material
3880 TO 4150	1186821 GALS TOTAL FLUID; 463966# SAND
4256 TO 4609	843349 GALS TOTAL FLUID; 329820# SAND

RECLAMATION DUE 8-2-12

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
09/09/2011	09/21/2011	24	→	50.0	67 0	1628 0	38.3		FLOWS FROM WELL
Choke Size	**Tbg Press Flwg SI**	**Csg Press**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas Oil Ratio**	**Well Status**	
48/64	210	170 0	→	50	67	1628	1340	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**	
			→						

ACCEPTED FOR RECORD
FEB 4 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #130005 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** 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
SAN ANDRES	2364	3801	DOLOMITE	TOP SALT	200
GLORIETA	3801	4408	SANDSTONE	BASE OF SALT	700
BLINEBRY	4408	5234	DOLOMITE	SAN ANDRES	2364
TUBB	5234		SANDSTONE	GLORIETA	3801
				BLINEBRY	4408
				TUBB	5234

32. Additional remarks (include plugging procedure):
no logs run.

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 #130005 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by JAMES (JIM) HUGHES on 02/03/2012 (12JLH0404SE)

Name *(please print)* TERRI STATHEM Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 02/02/2012

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 fradulent statements or representations as to any matter within its jurisdiction.

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