

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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No NMNM95630	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CIMAREX ENERGY COMPANY OF		3a. Phone No. (include area code) Ph: 432-620-1936	
3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701		8. Lease Name and Well No. CAVE LAKE 13 FEDERAL COM 4	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 13 T16S R28E Mer NMP At surface NENE 660FNL 150FEL At top prod interval reported below Sec 13 T16S R28E Mer NMP At total depth NWNW 660FNL 330FWL		9. API Well No. 30-015-39593-00-S1	
14. Date Spudded 11/11/2011		15. Date T.D. Reached 12/21/2011	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/27/2012		17. Elevations (DF, KB, RT, GL)* 3587 GL	
18. Total Depth. MD 11378 TVD 6622		19. Plug Back T.D.: MD 11378 TVD	
20. Depth Bridge Plug Set. MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLLDSN	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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
17.500	13.375 J55	48.0	0	370		440		0	0
8.750	7.000 P110	26.0	0	6479		1690		0	0
6.125	4.500 P110	11.6	6216	11213					

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	6159							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	6793	11165	6206 TO 7017			PEAK PKR SYSTEM PORT - OPI
B)			7017 TO 7589			PEAK PKR SYSTEM PORT - OPI
C)			7589 TO 8033			PEAK PKR SYSTEM PORT - OPI
D)			8033 TO 8566			PEAK PKR SYSTEM PORT - OPI

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

Depth Interval	Amount and Type of Material
6206 TO 7017	176067 GALS TOTAL FLUID, 150000# SD
7017 TO 7589	177029 GALS TOTAL FLUID, 150000# SD
7589 TO 8033	171889 GALS TOTAL FLUID, 150000# SD
8033 TO 8566	178953 GALS TOTAL FLUID, 150000# SD

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
01/29/2012	02/19/2012	24	→	175.0	265.0	429.0	39.7		ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	50	55.0	→	175	265	429	1514	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 #131331 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
BLM FIELD OFFICE

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
TOP SALT	370			TOP SALT	370
YATES	568			YATES	568
SEVEN RIVERS	807			SEVEN RIVERS	807
SAN ANDRES	2077			SAN ANDRES	2077
GLORIETA	3532			GLORIETA	3532
TUBB	4804			TUBB	4804
ABO	5568			ABO	5568
WOLFCAMP	6921			WOLFCAMP	6921

32. Additional remarks (include plugging procedure).
 ADDITIONAL PERFS (PEAK PKR SYSTEM PORTS)
 9231-9235' PEAK PKR SYSTEM PORT - OPEN
 8745-8749' PEAK PKR SYSTEM PORT - OPEN
 8256-8259' PEAK PKR SYSTEM PORT - OPEN
 7723-7727' PEAK PKR SYSTEM PORT - OPEN
 7283-7287' PEAK PKR SYSTEM PORT - OPEN
 6793-6797' PEAK PKR SYSTEM PORT - OPEN

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 #131331 Verified by the BLM Well Information System.
 For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
 Committed to AFMSS for processing by KURT SIMMONS on 02/24/2012 (12KMS1074SE)

Name (please print) TERRI STATHEM

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/21/2012

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 ****

Additional data for transaction #131331 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
8566 TO 9008			PEAK PKR SYSTEM PORT - OPEN
9008 TO 9499			PEAK PKR SYSTEM PORT - OPEN
9499 TO 9989			PEAK PKR SYSTEM PORT - OPEN
9989 TO 10436			PEAK PKR SYSTEM PORT - OPEN
10436 TO 10971			PEAK PKR SYSTEM PORT - OPEN
10971 TO 11213			PEAK PKR SYSTEM PORT - OPEN

27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

Depth Interval	Amount and Type of Material
8566 TO 9008	151192 GALS TOTAL FLUID; 100000# SD
9008 TO 9499	180842 GALS TOTAL FLUID; 150000# SD
9499 TO 9989	181972 GALS TOTAL FLUID; 150000# SD
9989 TO 10436	179700 GALS TOTAL FLUID; 140000# SD
10436 TO 10971	161280 GALS TOTAL FLUID; 130000# SD
10971 TO 11213	172857 GALS TOTAL FLUID; 150000# SD

32. Additional remarks, continued

ADDITIONAL FRAC INFO
9231-9235' 180842 GALS TOTAL FLUID; 150000# SD
8745-8749' 151192 GALS TOTAL FLUID; 100000# SD
8256-8259' 178953 GALS TOTAL FLUID; 150000# SD
7723-7727' 171889 GALS TOTAL FLUID; 150000# SD
7283-7287' 177029 GALS TOTAL FLUID; 150000# SD
6793-6797' 176067 GALS TOTAL FLUID; 150000# SD

PEAK PKR SYSTEM - PACKERS:
10976'; 10441'; 9994'; 9503'; 9013'; 8571'; 8038'; 7593'; 7022'

Logs mailed via overnight mail.