

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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MAR 03 2011

HOBBSOCD

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC0635861a. 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 COContact: NATALIE E KRUEGER  
Email: nkrueger@cimarex.com8. Lease Name and Well No.  
SOUTHERN CALIFORNIA 29 FEDERAL 163. Address 600 N MARIENFELD STREET, SUITE 600  
MIDLAND, TX 797013a. Phone No. (include area code)  
Ph: 432-620-19369. API Well No.  
30-025-39853-00-S1

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

At surface Sec 29 T19S R32E Mer NMP  
SWNW 1980FNL 375FWL

At top prod interval reported below

At total depth Sec 29 T19S R32E Mer NMP  
SENE 1953FNL 404FEL

BHL @ H-29-19s-32e, 1953/N &amp; 4876/W

10. Field and Pool, or Exploratory

LUSK  
UNKNOWN11. Sec., T., R., M., or Block and Survey  
or Area Sec 29 T19S R32E Mer NMP12. County or Parish  
LEA13. State  
NM14. Date Spudded  
10/19/201015. Date T.D. Reached  
11/24/201016. Date Completed  
☐ D & A ☒ Ready to Prod.  
12/29/201017. Elevations (DF, KB, RT, GL)\*  
3555 GL18. Total Depth: MD 13571  
TVD 921219. Plug Back T.D.: MD 13510  
TVD 921020. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
POROSITY&RESIST22. 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 H40	48.0	0	914		820		0	
12.250	9.625 N80	40.0	0	4016	2629	2020		0	
8.750	5.500 P110	17.0	0	13550		2175		340	

## 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	8694							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9317	13502	10270 TO 10988	0.000	40	OPEN, SEE LAST STAGE IN BO
B)			11224 TO 11940	0.000	40	OPEN
C)			12176 TO 12902	0.000	40	OPEN
D)			13460 TO 13502	0.000	30	OPEN

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

Depth Interval	Amount and Type of Material
10270 TO 10988	176,239 GAL 20# BORATE XL & 234,039# 20/40 SB EXCEL, SEE LAST STAGE IN BOX 53
11224 TO 11940	182,507 GAL 20# BORATE XL & 246,647# 20/40 SB EXCEL
12176 TO 12902	176,963 GAL 20# BORATE XL & 248,768# 20/40 SB EXCEL
13460 TO 13502	112,310 GAL 20# BORATE XL & 120,854# 20/40 SB EXCEL

## 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
12/29/2010	01/20/2011	24	→	222.0	563.0	313.0	38.3	1.42	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48/64	350	80.0	→	222	563	313	2536	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 #102309 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICEPETROLEUM ENGINEER  
MAR 14 2011

## 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
				BONE SPRING	7122

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

Box 43 Cont'd:

Stage 5 Bone Spring perms: 9317-10036 0.42, 40 holes, open

Box 44 Cont'd:

Stage 5 Frac: 174,717 gal 20# Borate XL &amp; 264,994# 20/40 SB Excel

Logs to be sent via mail.

## 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 #102309 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs  
Committed to AFMSS for processing by KURT SIMMONS on 02/16/2011 (11KMS0298SE)

Name (please print) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 02/09/2011

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 EC transaction #102310 that would not fit on the form**

**32. Additional remarks, continued**

with 335 sx Premium Plus, circ 21 sx, WOC 21 hrs.

10-30-10 Tested to 3000# for 30 min, ok.

11-08-10 TD 8.75 inch pilot hole @ 9550.

11-09-10 Pumped 210 sx Halcem H balanced plug @ 9053 to reach 9550.

11-10-10 Tagged cement @ 8578 and drilled to 8850 (KOP).

11-11-10 Kicked off 8.75 inch lateral @ 8850.

11-24-10 TD'd lateral @ 13571 MD, 9212 TVD.

11-26-10 Ran 5.5 inch 17# P110. LTC from 0-8932, BTC from 8932-9781, LTC from 9781-13550.

11-27-10 Cemented with lead 900 sx Econocem H, tail 1275 sx Versacem H, no circ.

11-28-10 TS TOC 340. Tested to 2500# for 30 min, ok. RR.