

New Mexico Oil Conservation Division, District I

Form 3160-4

(August 2007)

UNITED STATES

1625 N. French Drive

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Albuquerque, NM 87102

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

EC

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC060850

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 Contact: TERRI STATHEM
CIMAREX ENERGY CO OF COLORADO Email: tstatthem@cimarex.com

8. Lease Name and Well No.
INDEPENDENCE 8 FEDERAL COM 2H

3. Address 600 N. MARIENFELD ST, SUITE 600
MIDLAND, TX 79701

3a. Phone No. (include area code)
Ph: 432-620-1936

9. API Well No.
30-005-29152-00-S1

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

10. Field and Pool, or Exploratory
UNDESIGNATED-WOLFCAMP

At surface SWNE 1830FNL 2310FEL
 Sec 8 T15S R31E Mer NMP
 At top prod interval reported below SWNE 1830FNL 2310FEL
 Sec 8 T15S R31E Mer NMP
 Sec 9 T15S R31E Mer NMP
 At total depth SENE 1971FNL 341FEL

11. Sec., T., R., M., or Block and Survey
or Area Sec.8 T15S R31E Mer NMP

12. County or Parish
CHAVES

13. State
NM

14. Date Spudded
02/15/2012

15. Date T.D. Reached
03/27/2012

16. Date Completed
☐ D & A ☒ Ready to Prod.
07/12/2012

17. Elevations (DF, KB, RT, GL)*
4433 GL

18. Total Depth: MD 15777
TVD 8800

19. Plug Back T.D.: MD 15777
TVD 8800

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	362		460		0	0
8.750	7.000 P-110	26.0	0	9031		2620		0	0
6.125	4.500 P-110	11.6	8175	15728		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)
2.875	8146							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9275	15728	9275 TO 15728	0.500	90	OPEN - PEAK PKR SYSTEM
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9275 TO 15728	2,617,903 GALS TOTAL FLUID; 1,686,463# TOTAL 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
07/14/2012	07/25/2012	24	→	459.0	199.0	589.0	38.9		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	
48/64	350		→	459	199	589	433	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

/S/ DAVID R. GLASS

AUG 01 2012

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

ELECTRONIC SUBMISSION #144298 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR 6 MONTH PERIOD

ENDING JAN 14 2013

PETROLEUM ENGINEER

AUG 08 2012

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
QUATERNARY	0	360		RUSTLER	1358
WOLFCAMP	9275	15777		YATES	2317
				SEVEN RIVERS	2562
				QUEEN	3105
				SAN ANDRES	3914
				GLORIETA	5212
				ABO	7171
				WOLFCAMP	8744

32. Additional remarks (include plugging procedure):

logs sent via overnight mail.

Peak Pkr System: Pkr @ 8173, 9220, 9652, 10127, 10467, 10993, 11379, 11904, 12399, 12955, 13531, 13914, 14630, 15010, 15434, POP @ 15728.

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 #144298 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO OF COLORADO, sent to the Roswell
Committed to AFMSS for processing by DAVID GLASS on 08/01/2012 (12DG0393SE)

Name (please print) TERRI STATHEMTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 07/31/2012

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 ****

Revisions to Operator-Submitted EC Data for Well Completion #144298

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC060850	NMLC060850
Agreement:		
Operator:	CIMAREX ENERGY COMPANY MIDLAND, TX 79701 Ph: 432-620-1936	CIMAREX ENERGY CO. OF COLORADO 600 N. MARIENFELD ST., SUITE 600 MIDLAND, TX 79701 Ph: 432-620-1938
Admin Contact:	TERRI STATHEM REGULATORY ANALYST E-Mail: tstathem@cimarex.com Ph: 432-620-1936	TERRI STATHEM REGULATORY ANALYST E-Mail: tstathem@cimarex.com Ph: 432-620-1936
Tech Contact:	TERRI STATHEM REGULATORY ANALYST E-Mail: tstathem@cimarex.com Ph: 432-620-1936	TERRI STATHEM REGULATORY ANALYST E-Mail: tstathem@cimarex.com Ph: 432-620-1936
Well Name:	INDEPENDENCE 8 FEDERAL COM	INDEPENDENCE 8 FEDERAL COM
Number:	2H	2H
Location:		
State:	NM	NM
County:	CHAVES	CHAVES
S/T/R:	Sec 8 T15S R31E Mer NMP	Sec 8 T15S R31E Mer NMP
Surf Loc:	SWNE 1830FNL 2310FEL	SWNE 1830FNL 2310FEL
Field/Pool:	ABO WOLFCAMP WILDCAT	UNDESIGNATED-WOLFCAMP
Logs Run:	NONE	NONE
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:		QUATERNARY WOLFCAMP
Markers:	RUSTLER YATES SEVEN RIVERS QUEEN SAN ANDRES GLORIETA ABO WOLFCAMP	RUSTLER YATES SEVEN RIVERS QUEEN SAN ANDRES GLORIETA ABO WOLFCAMP