Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Amended

OCD-ARTESIA
APR 15 2009

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: SHL: NM-89878 BHL: NM-97874

1a. Type of Well: [X] Oil Well [ ] Gas Well [ ] Dry [ ] Other
b. Type of Completion: [X] 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.: Pending

2. Name of Operator: Cimarex Energy Co. of Colorado

8. Lease Name and Well No.: Toad 31 Federal 1

3. Address: 5215 N. O'Connor Blvd. ste 1500 Irving, Tx 75039

3a. Phone No. *(include area code)*: 972-401-3111

9. API Well No.: 30-015-36715

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

10 Field and Pool, or Exploratory: ~~Empire,~~ Glorieta-Yeso Wildcat 97752

At surface: 1650' FNL & 330' FEL

11. Sec., T., R., M., on Block and Survey or Area: 31-16S-29E

At top prod. interval reported below: 1659' FNL & 331' FEL

12. County or Parish: Eddy

13. State: NM

At total depth: 1712' FNL & 391' FWL

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
10.20.08	11.17.08	[X] D & A [ ] Ready to Prod. 01.06.09?	3660' GR

18. Total Depth:	MD	7958'	19. Plug Back TD:	MD	7958'	20. Depth Bridge Plug Set:	CIBP @ 3732'
Pilot hole 4280'	TVD	3888'	pilot hole 3732'	TVD	3888'		

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

CBL,DLL,MLL,GR, ZDL,CNL,

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey [ ] No [X] Yes (Submit copy)

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
14¾"	11¾" H-40 stc	42#	0'	323'		300 sx class C		0' Circ	
11"	8⅝" J-55 stc	24#	0'	1352'		410 sx class C		0' circ	
7⅞"	5½" J-55 LTC	40#	0'	4280'		810 sx poz/C		0' circ	
4¾"	2⅞" L-80	6.5#	3576'	7555'		PEAK, no cement			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2⅞"	3530'	3,368'	AS-1 5 1/2"X2 7/8"					

25. Producing Intervals

	Formation	Top	Bottom
A)	Paddock	3795'	4620'
B)			
C)			
D)			

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
Peak Liner assembly			

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

Depth Interval	Amount and Type of Material
	Please see attachment.

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 (BTU)	Production Method
01.12.09	01.13.08	24	→	6	0	570	40	0	Pumping

Choke Size	Tbg Press Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
open	260	6	→	6	0	570	0	Shut In

28. 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
APR 11 2009
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

* *(See instructions and spaces for additional data on page 2)*

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.)*

Shut In, well uneconomical to produce

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
				Queen	2,142'
				Grayburg	2,620'
				San Andres	2,872'
				Glorietta	3,742'
				Paddock	3,795'

32. Additional remarks (include plugging procedure):

well produced 372 BO, 9656 BW, and 0 MCF in January during testing and was stored in frac tanks until sold. Well was Shut in for evaluation.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

[x] Electrical/Mechanical Logs (1 full set req'd.) [ ] Geologic Report [ ] DST Report [X] Directional Survey

[ ] Sundry Notice for plugging and cement verification [ ] Core Analysis [X] Other C-102, Inclination report, Peak assembly diagram.

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Scott Haynes Title Regulatory Analyst

Signature Scott Haynes Date March 23, 2009

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.

Acid, Fracture, Treatment, Cement Squeeze, etc. Attachment

Toad 31 Federal 1

31-16S-29E

Eddy County, NM

Depth Interval	Amount and Type of Material Used
Stage 1 6526'-7550'	Start acid. Pump 33 bbl 15% HCL at 5.8 bpm. Pump 357 bbl x-linked lightning 2000 gelled pad. Pump 48 bbl Lightning 2000 carrying 400 lbs white sand concentrated at .2 ppg. Pump 357 bbl x-linked Lightning 2000 gelled pad. Start sand stages. Pump 1950 bbl Lightning 2000 carrying 114,600# white sand rapmed from .3 ppg to 3 ppg. Pump 159 bbl Lightning 2000 carrying 20001# resin coated sand at 3 ppg. Flush with 100 bbl linear gel. Drop 1.75" ball.
Stage 2 5800'-6526'	Start acid. Pump 33 bbl 15% HCL at 5.3 bpm. Ball seated and port opened at 6138 psi. Start x-linked Lightning 2000 pad. Could only acjhieve 7.8 bpm at 5032 psi. Cut x-linker. Displace hole volume with linear gel only. Max rate was 8.6 bpm. Cut gel and pump slickwater only. Max rate achieved was 9.8 bpm. Consult with engineering. Drop 2" ball. Average rate was 8 bpm at 5100 psi.
Stage 3 5237'-5800'	Start acid. Pump 33 bbl 15% HCL. Ball seated and port opened at 5417 psi. Start x-linked Lightning 2000 pad. Could only achieve 14 bpm at 5500 psi. Cut x-linker. Displace hole volume with linear gel only. Max rate was 14 bpm. Cut gel and pump slickwater only. Max rate was 16 bpm. Conuslt with engineering. Pump x-linked Lightning 2000 gel and pressure started increasing. Cut x-linker and drop 2.25" ball. Average pressure was 14 bpm at 4950 psi.
Stage 4 4511'-5237	Start acid. Pump 44 bbl 15% HCL at 8 bpm. Ball seated and port opened at 6398 psi. Start X-linked Lightning 2000 pad. Pump 357 bbl. Pump 52 bbl Lightning 2000 carrying 400 lbs white sand at .2 ppg. Pump 357 bbl Lightning 2000 pad. Pump 2065 bbl Lightning 2000 carrying 118,477 lbs white sand ramped from .3 ppg to 3 ppg. Pump 183 bbl Lightning 2000 carrying 18,384 lbs resin coated sand at 3 ppg. Flush with 88 bbl linear gel. Average rate was 31 bpm at 5022 psi. Maximum rate achieved was 40.1 bpm.