

Form 3160-2
(October 1990)

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OCD-ARTESIA 3031-123456

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ OTHER ☐

3. NAME OF OPERATOR

Cimarex Energy Co. of Colorado

4. ADDRESS AND TELEPHONE NO.

P O Box 140907 Irving Tx. 75014-0907

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1470' FSL & 1939' FEL

At top prod. interval reported below 2046' FNL & 2062' FWL

At total depth 1550' FNL & 1682' FWL

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED

09-10-05

16. DATE T.D. REACHED

11-26-06

17. DATE COMPL. (Ready to prod.)

09-28-06

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3444' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

MD 12535' TVD 12166'

21. PLUG, BACK T.D., MD & TVD

MD 12485' TVD 12117'

22. IF MULTIPLE COMPL., HOW MANY*

→

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

All

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

MD - White City; Penn (Gas) 10130' - 10366'

TVD - White City; Penn (Gas) 9846' - 10074'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Spaced Neutron & DLL Microguard

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" H-40	48#	133'	17-1/2"	240 sx, circ 100 sx	
9-5/8" J-55	40#	1920'	12-1/4"	1400 sx, 1" w/ 700 sx, circ 25 sx	
5-1/2" P-110	17#	12535'	8-3/4"	1590 sx, TOC 2640'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	10103'	10103'

31. PERFORATION RECORD (Interval, size and number)

See Attachment

Cisco - Canyon

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attachment	

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
09-28-06		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-04-06	24	WO	→	0	1561	52	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
270	540	→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SOLD

35. LIST OF ATTACHMENTS

Electric logs and Inclination Summary

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Natalie Kueger

TITLE Regulatory Analyst 1

WESLEY W. INGRAM
PETROLEUM ENGINEER

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

Estill AD Federal No. 3 - Perf & Treatment Attachment

30-015-34162

Eddy County, New Mexico

Perforation Record	Acid, Shot, Fracture, Cement Squeeze, Etc.	
	Depth Interval	Amount and Kind of Material Used
12044' - 12085' 6 spf 54 holes RBP @ 12020' w/ 2 sx cmt		
11832' - 11848' 6 spf 96 holes RBP @ 11805' w/ 2 sx cmt	11832' - 11848'	33449 gal foamed 45# gelled 85:15 7% KCL w/ CO2, Methanol, & 45000# Versaprop
11740' - 11752' 6 spf, re-perf w/ 2 spf, total of 96 holes RBP @ 11730' w/ 2 sx cmt	11740' - 11752'	11393 gal foamed 45# gelled 85:15 7% KCL w/ CO2, Methanol, & 15000# Versaprop
11678' - 11690' 6 spf 72 holes RBP @ 11600' w/ 2 sx sand	11678' - 11690'	9408 gal foamed 45# gelled 85:15 7% KCL w/ CO2, Methanol, & 13000# Versaprop
11319' - 11377' 6 spf 84 holes CIBP @ 11290' w/ 35' cement	11319' - 11377'	33719 gal foamed 45# gelled 85:15 7% KCL w/ CO2, Methanol, & 42000# Versaprop
10130' - 10366' 3 spf 354 holes	10130' - 10366'	360,200 gal Slick Water & Delta-Frac 140 w/ 118390# 30/50 Ceramic Econoprop

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				Delaware	1294'	1291'
				Bone Spring	5302'	5202'
				Wolfcamp	8539'	8316'
				Cisco-Canyon	10128'	9845'
				Strawn	10442'	10148'
				Atoka	10731'	10425'
				Morrow	11315'	10985'