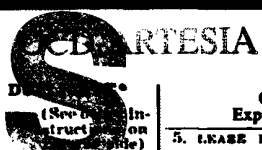


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN D



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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ENVR. ☐ Other ☐

2. NAME OF OPERATOR

Cimarex Energy Co. of Colorado

3. ADDRESS AND TELEPHONE NO.

P O Box 140907 Irving Tx. 75014-0907

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

At surface 660' FSL & 660' FEL

At top prod. interval reported below 660' FSL & 660' FEL

At total depth 660' FSL & 660' FEL

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED 03-26-06 16. DATE T.D. REACHED 04-24-06 17. DATE COMPL. (Ready to prod.) 11-05-06 18. ELEVATIONS (DP, RKB, RT, OR, ETC.)* 3602' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 10915' 21. PLUG, BACK T.D., MD & TVD 10781' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

Empire; Abo 7040'-7238'

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Spaced Neutron, DLL Microguard, Cement Bond Log

27. WAS WELL CORED
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 #	254'	17-1/2"	460 sx; 1" w/ 60 sx circ 8 sx	
9-5/8" J-55	40 #	4515'	12-1/4"	2350 sx, 80 sx down backside	
5-1/2" P-110	17#	10915'	8-3/4"	1430 sx TOC 3769'	

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"	7252'	

31. PERFORATION RECORD (Interval, size and number)

See attached

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-05-06		Pumping - 2" x 1-1/2' x 20' RHBC HVR Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
11-22-06	24		→	10	104	180	10000
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL—MCF. (CORR.)	
200		→				ACCEPTED FOR RECORD	

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 Kuege TITLE Reg Analyst I

LES BABYAK
PETROLEUM ENGINEER
DATE 02-02-07

*(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.

Muskegon 17 Federal Com No. 2

30-015-34283

Eddy County, NM

Perforation Record	Acid, Shot, Fracture, Cement, Squeeze, Etc.	
	Depth Interval	Amount and Kind of Material Used
10545'-10597' 6 spf, 126 holes CIBP @ 10500' w/ 35' cmt	10545'-10597'	84860 gal foamed 45# gel 85:15 7% KCl w/ CO ₂ , Methanol, & 67400# Versaprop
10350'-10435' 6 spf, 420 holes CIBP @ 10320' w/ 35' cmt	10350'-10597'	5000 gal 7-1/2% Alcoholic Acid w/ 200 Ball Sealers flushed w/ 7% KCl water
10222'-10226' 6 spf, 24 holes CIBP @ 10180' w/ 35' cmt	10222'-10226'	500 gal 15% Alcoholic Acid
7040'-7238' 6 spf, 552 holes	7040'-7238'	5000 gal 7-1/2% NeFe acid w/ 400 7/8" 1.3 SG Ball Sealers flushed w/ 7% KCl water
	7040'-7238'	12800 gal Delta-Frac 140-R (16) carrying 350000# 16/30 Mesh Premium White Sand

DISTRICT I
1625 N. FRENCH DR., ROBBE, NM 86240

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 86210

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34283	Pool Code	Pool Name Empire; Abo
Property Code	Property Name Muskegon 17 Federal Com	Well Number 2
OGRID No. 162683	Operator Name 30-015-34283	Elevation 3602'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	17-S	29-E		660	SOUTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES NAD 27 NME Y=665385.5 N X=574737.5 E LAT.=32°49'44.38" N LONG.=104°05'24.09" W				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Zeno Farris</i> Signature Zeno Farris Printed Name Mgr Operations Admin Title 02-02-07 Date			
				SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. JULY 12, 2005 Date Surveyed Signature Professional Surveyor GARY E. EDSON 1/14/05 05.11.1092 Certificate No. GARY E. EDSON 12641			
Muskegon 17 Fed Com #2 660' 660'							

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, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

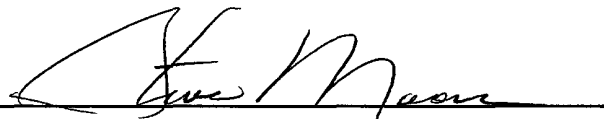
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Yates	895'	
				San Andres	2205'	
				Glorieta	5325'	
				Lower Abo	7040'	
				Wolfcamp	7240'	
				Strawn LS	9908'	
				Atoka	10110'	
				Morrow Clastics	10500'	
				Mississippian	10740'	

OPERATOR CIMAREX ENERGY COMPANY
WELL/LEASE MUSKEGON 17 FED. COM. 2
COUNTY EDDY

046-0040

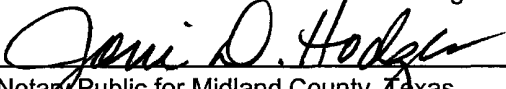
STATE OF NEW MEXICO
DEVIATION REPORT

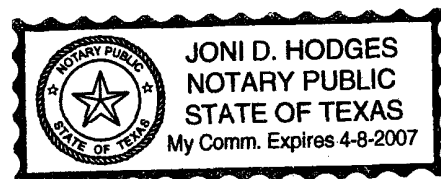
634	1.00
1,134	1.00
1,634	1.00
2,120	1.25
2,336	1.25
2,803	0.50
3,242	0.50
3,711	0.25
4,210	0.25
4,434	1.00
4,800	1.00
5,275	0.25
5,715	0.25
6,215	0.75
6,600	0.75
7,074	1.00
7,544	0.25
8,043	1.75
8,521	2.00
9,021	2.75
9,244	1.00
9,804	1.75
10,014	0.75
10,514	1.25
10,918	1.25

BY: 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on May 3, 2006, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas
My Commission Expires: 4/08/07



OPERATOR CIMAREX ENERGY COMPANY
WELL/LEASE MUSKEGON 17 FED. COM. 2
COUNTY EDDY

046-0040

STATE OF NEW MEXICO
DEVIATION REPORT

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BY: *Steve Moore*

STATE OF TEXAS
COUNTY OF MIDLAND

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Joni D. Hodges
Notary Public for Midland County, Texas
My Commission Expires: 4/08/07

