

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB No 1004-0135  
Expires July 31, 1996

5. Lease Serial No.

LC-028784-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

Keely 26 Federal No. 1

9. API Well No.

30-015-35025

10. Field and Pool, or Exploratory Area

Loco Hills; Wolfcamp, NE

11. County or Parish, State

Eddy County, NM

DEC 10 2008

OCD-ARTESIA

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

PO Box 140907; Irving, TX 75014-0907

3b. Phone No (include area code)

972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980 FNL & 1550 FEL

26-17S-29E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Add additional

Wolfcamp perms

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof)

If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Keely 26 Federal #1 well is currently producing from Wolfcamp perms @ 9078'-9188.' Morrow perms @ 10919'-11019' are behind RBP @ 10820' w/ 15' sand on top.

**Cimarex proposes to perform the following operations in order to add additional Wolfcamp pay:**

Release packer and TOOH w/ tubing and packer.

Perf Wolfcamp 9102'-9116,' 9118'-9121,' and 9151'-9161' 3 spf, 84 holes.

Perf Morrow 13047'-13056' 4 spf 37 holes.

Acidize w/ 3000 gal 20% NeFe HCl, 45 ball sealers, and 10000 gal 20% Deepspot XL acid

Install pumping unit and turn back to sales as Loco Hills; Northeast well.

450 BS

APPROVED

DEC 3 2008

JAMES A. AMOS  
SUPERVISOR-EPS

Please see attached WBD and proposed procedure.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory Analyst

Date

November 14, 2008

DEC 10 2008

Gerry Guey, Deputy Field Inspector  
NMOCD-District II ARTESIA

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on reverse)

**KEELY 26 FEDERAL #1  
WOLFCAMP – ADD PERFS, STIMULATE, INSTALL LIFT**

API # 30-015-35025  
1980' FNL & 1550' FEL  
Section 26, 17S, R-29E  
Eddy County, New Mexico

GL : 3576' KB : 3597'  
TD : 11225' PBSD: 10805' (RBP/SAND)  
SURF CSG : 13-3/8" OD 48#/FT H-40 AT 508' W/ 500 SX. TOC 0' (CIRC)  
INTER CSG: 9-5/8" OD 40#/FT J-55 AT 4715' W/ 1703 SX. TOC 0' (CIRC)  
PROD CSG : 5-1/2" OD 17# P-110 @ 11225' W/ 1458 SX. TOC ABOVE 7000' (CBL)  
ID=4.892", DRIFT=4.767", BURST=10640 PSI, CAPACITY=0.9764 GAL/LF  
TUBING: 2-7/8" 6.5# L-80, 2-7/8"X2-3/8" XOVER, 1.875" 'X' T2 OOT, AS-1X PACKER AT 9044'  
ID=2.441", DRIFT=2.347", BURST=11160 PSI, CAPACITY=0.2431 GAL/LF  
PERFS: 9078-88', 9098-9104', 9126-52', 9180-88' 6 SPF 300 HOLES (L. WOLFCAMP – OPEN)  
10919-26', 11015-11019' (MIDDLE AND LOWER MORROW - BELOW PLUG)

**NOTE: ALL WIRELINE WORK SHOULD BE CORRELATED TO HALLIBURTON RADIAL CBL DATED 10/27/06. THERE IS A 3' SHIFT BETWEEN THE CASED-HOLE LOG AND THE OPENHOLE LOGS THAT HAS BEEN FACTORED IN TO THE PERFORATION SELECTION.**

1. SET PUMPING UNIT PRIOR TO RIG UP. SHUT WELL IN 5 DAYS PRIOR TO RIG UP. RIG UP SLICKLINE. MAKE RUN WITH WIRE SCRATCHER TO MAKE SURE TUBING CLEAR. RUN GAUGE RING AND TAG PBSD AT 10805'. OBTAIN SBHP. RDMO SLICKLINE.
2. SPOT ONE FRAC TANK AND FILL WITH 2% KCL. SPOT ACID TANK. MIRU PU. KILL TUBING WITH 2% KCL WATER IF NECESSARY. ND TREE AND NU BOP. RELEASE PACKER AND TOH WITH 2-7/8" TUBING AND PACKER.
3. MIRU WIRELINE. RIH WITH 4.5" GR/JB TO 9500'. POH. PERFORATE **WOLFCAMP FROM 9102-16', 9118-21', AND 9151-61'** (3SPF, 120 DEG PHASING, 27' 84 HOLES). MONITOR FLUID LEVEL IN AND OUT OF HOLE. RDMO WIRELINE.
4. PICK UP AND TIH W/ RBP (W/ BALL CATCHER), TREATING PACKER AND 2-7/8" L-80 TUBING STRING TO 9160'. HYDROTEST TUBING IN THE HOLE (TESTING BELOW THE SLIPS) TO 10000 PSI. SET RBP AND TEST TO 3000 PSI. TOTAL ACID JOB WILL CONSIST OF 3000 GALLONS 20% NEFE HCL AND 10,000 GAL 20% DEEPSHOT XL-ACID. MOVE PACKER UPHOLE TO 9030' AND SET. BREAKDOWN PERFS FROM 9078-9161' OVERALL ACIDIZE USING 3000 GAL 20% NEFE HCL AND 450 BALL SEALERS, DROPPED IN GROUPS OF 50 BALLS. FOLLOW WITH 10,000 GAL 20% DEEPSHOT ACID PER BJ RECOMMENDATION. FLOW BACK UNTIL WELL DEAD. SWAB UNTIL PH > 4.5. KILL WELL WITH 2% KCL W/ SCALE INHIBITOR IF NECESSARY. TOH WITH TUBING, PACKER AND RBP.
5. RUN IN HOLE WITH TUBING CONFIGURED FOR PUMPING. SET PUMP INTAKE AT +/- 9230'. INSTALL RODS AND PUMPING EQUIPMENT AND BEGIN PUMPING. OBTAIN FLUID LEVEL AND CARD AFTER ONE WEEK PUMPING.

# Cimarex Energy Company

9/23/08 CLM

Lease : Keely 26 Fed # 1		Perforations			Casing			
Field :	Sand Tank	Reservoirs	From	To	Size	Weight	Grade	Depth
KB :	21.00	Lower Abo	7,454	7,458	13 3/8	48	H40	508
Legals :	Sec 26-17S-29E	U Wolfcamp	7,798	7,811	9 5/8	40	J55	4,715
1,980' FNL 1,550' FEL					5 1/2	17	P110	11,225
Eddy Co., New Mexico		L Wolfcamp	9,078	9,188				
Directions to Location :		Under Packer / RBP			Tubing			
From Hwy 82 & Co.Rd #216 - S on		Middle Morrow	10,919	10,926	Size	Weight	Grade	Depth
General American 0.9 mi		Lower Morrow	11,015	11,019	2 7/8	6.5	L80	9044
West 1.4 mi		Drawing Not To Scale						

Patterson Rig #46 spud 9/2/06  
Well TD'd @ 11,225' 10/12/06  
Rig released 10/15/06  
Completion Started 10/25/06  
Turned to Production

5-1/2" csg landed with 152k weight on slips  
in 9.7# WBM.

Tree Information	
Valve Type	CIW-ODES
Valve Size	2 1/16
Swab Valve	2 1/16
PSI Rated	5,000
Top Connection	
B Section Size	7-1/16" 5m

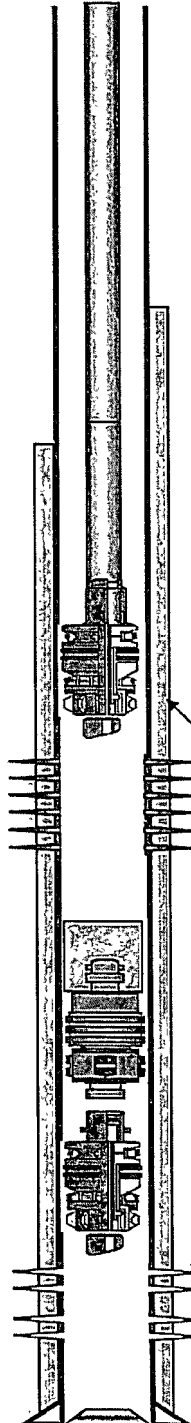
5-1/2" TOC @ 7000'  
CBL 10/27/06

Lower Wolfcamp 9,078' - 9,088'  
9,098' - 9,104'  
9,126' - 9,152'  
9,180' - 9,188'

Middle Morrow 10919' - 10,926'

Lower Morrow 11,015' - 11,019'

8 3/4" hole TD @ 11,225'



13-3/8" 48# H40 STC set @ 508'  
300sxs 35/65 + 200sxs Class C  
Cement to surface

9-5/8" 40# J55 LT&C set @ 4,715'  
1478 sxs 50/50 + 225 Class C  
Cement to surface

283 jts 2 7/8" 6.5# L80 Tubing

2 7/8" x 2 3/8" X-over  
1.875" "X" T-2 On/Off Tool @ 9035'  
5 1/2" x 2 3/8" 10K AS1X Packer  
@ 9,036' w/ 10,000# Compression  
EOT @ 9,044'

15' of sand fill - PBTD @ 10,805'

5 1/2" RBP @ 10,820'

1.875" "X" On/Off Tool w/ plug in Place

5 1/2" x 2 3/8" 10K AS1X Packer  
@ 10,863'  
EOT @ 10,869'

PBTD = 11,144' MD  
5-1/2" 17# P110 LTC set @ 11,225'