

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

RECEIVED

AUG 03 2010

HOBBSON

## 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

600 N. Marienfeld St., Ste. 600; Midland, TX 79707

## 3b. Phone No. (include area code)

432-571-7800

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

1980 FNL & 660 FEL  
29-19S-32E

## 5. Lease Serial No.

LC-063586

## 6. If Indian, Allottee or Tribe Name

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

Lusk West Delaware Unit NM94514X

## 8. Well Name and No.

Lusk West Delaware Unit No. 908

## 9. API Well No.

30-025-00925

## 10. Field and Pool, or Exploratory Area

Lusk; Delaware, West

## 11. County or Parish, State

Lea County, NM

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

## TYPE OF SUBMISSION

## TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ 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 TA for future

Brushy &amp; Cherry Canyon RC

## 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.)

Well shut in since 04-09 with perfs @ 6448-6458. Cimarex proposes to TA current Delaware for future recompleat to Brushy/Cherry Canyon as shown below and on the attached procedures and WBDs. Please note that upon completion in Brushy/Cherry Canyon, well will be pulled from Lusk West Delaware Unit, and well name will revert back to the original "Southern California Federal No. 1."

## TA Plans

- POOH w rods and pump. NDWH & NU 3K BOP. POOH and LD tbg.
- RU cmt. RIW w 2 1/2" tbg and 5 1/2" CICR. Set @ 6400' and squeeze perfs w lead 100 sx Class C + low fluid loss additive, tail 50 sx Class C Neat. Put a 500# squeeze on existing perfs. Sting out and spot 35' cmt on CICR. POOW.
- Test casing to 500# for 30 minutes and generate chart.
- RIW w production tbg and hang EOT @ 6300.'

## Cherry Canyon RC Plans

- NDWH & NUBOP. Drill cement to previous PBTD 6850.'
- Perf Brushy Canyon 6712-6735 w 3 1/2" guns 3 spf. Acidize with 2000 gal 10% NeFe and ball diverters. Swab.
- Perf Cherry Canyon 4712-4725 & 4840-4850 w 3 1/2" guns 3 spf. Acidize with 2500 gal 10% NeFe and ball diverters.
- Swab test to determine oil cut and fluid entry. If test successful, perform fracture stimulation and rod pump installation.

If not productive NOI to PA will be submitted. Request 6-month TA to review LWDU 112 recompleat results, pull from the unit, obtain partner approval, and secure rig, and to schedule PA rig if a no go.

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

Name (Printed/Typed)

Zeno Farris

Signature

Zeno Farris

Title

Manager Operations Administration

Date

July 21, 2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ JD Whitlock Jr

Title

LPE 1

Date

7/31/10

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

CFO

PETROLEUM ENGINEER

AUG 04 2010

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)

J.M.

**RECOMPLETION PROCEDURE**  
**LWDU 908**  
**(Formerly Southern California 1)**  
**Lusk West Delaware Field**  
**API # 30-025-00925**  
1980 FNL & 660' FEL  
Sec 29, T-19S, R-32E  
Lea County, New Mexico

GL: 3561 KB: 3577  
TD: 12,833 PBD: 6850'  
13<sup>3</sup>/<sub>8</sub>", 55# @ 844' W/ 950 SX CMT. TOC @ SURFACE  
9<sup>5</sup>/<sub>8</sub>", 40# @ 3947' W/ 3125 SX CMT. DV TOOL @ 2652' TOC @ SURFACE  
5<sup>1</sup>/<sub>2</sub>", 17# P110/N80 @ 12833' W/ 580 SX CMT. TOC @ 10380' BY TEMP SURVEY PRIMARY  
CASING LEAK 4631-46' (JAN1987) SQZD W/ 375 SXS, CIRC @ 5BPM (SEE REPORT)  
CASING SQZ HOLES 6970' (SEPT 1989) SQZD W/ 975 SXS, CIRC REPORTED  
2 7/8" J55 TUBING @ 6577', TAC @ 6286', SN @ 6547'  
RODS AND PUMP IN WELL, SEE LANDING DETAIL ON WELL BORE DIAGRAM  
PERFS: 6448-6458' DELAWARE - CURRENTLY SHUT IN.

1. PREJOB, PRESSURE UP TUBING WITH ROD PUMP TO TEST TUBING.
2. MIRU. POOH RODS AND PUMP (SEE LANDING DETAIL). NDWH-NU BOP. POOH W/ TUBING.
3. RIH 4-3/4" BIT TO 6850, POOH. RIH PKR, SET @ 6350", TEST ANNULUS FOR LEAK AND TEST TBG FOR INJECTION RATE INTO CURRENT PERFS. POOH
4. RU CEMENT. RIW WITH CIRC ON 2-7/8" TBG AND SET AT 6400'. CIRCULATE BACKSIDE AND STING BACK IN. TEST BACKSIDE. SQUEEZE OPEN DELAWARE PERFS WITH 100 SXS OF CLASS C. STING OUT AND REVERSE CIRC CEMENT. POOH.
5. MU 4-3/4" BIT AND COLLARS, RIH AND DRILL CIRC/CEMENT TO PREVIOUS PBD 6850'. TEST HOLE. POOH AND LD COLLARS/BIT.
6. RU WIRELINE RIW AND LOG FROM PBD TO 2000' WITH CBL/CCL LOG UNDER PACKOFF. POOH.
7. RIH W/ 3 3/8" PERF GUNS/CCL. PERFORATE BRUSHY CANYON **6712-6735'** USING 3-3/8" CASING GUNS 3-SPF. POOH W/ CCL/3 3/8" PERF GUNS. RD WL.
8. RU ACID CREW. RIH W/ PACKER/MCL (W/ DOWNHOLE SHUT-OFF VALVE). SET PACKER @ 6650'. ACIDIZE WITH 2000 GAL 10% NEFE ACID AND BALL DIVERTERS.
9. ATTEMPT TO SWAB WELL DOWN AND ESTABLISH OIL CUT AND INFLOW. UNLATCH PKR, POOH.
10. RIH W/ 3 3/8" PERF GUNS/CCL. PERFORATE CHERRY CANYON **4712-4725', & 4840-4850'** USING 3-3/8" CASING GUNS 3-SPF. POOH W/ CCL/3 3/8" PERF GUNS. RD WL.
11. RIH W/ TREATING PACKER/MCL/RBP W/ BALL CATCHER ON PRODUCTION TUBING. SET RBP @ 4900'. PU AND SET PACKER @ 4500'.
12. ACIDIZE WITH 2500 GAL 10% NEFE ACID AND BALL DIVERTERS. SWAB WELL DOWN AND ATTEMPT TO ESTABLISH OIL CUT AND INFLOW. UNSET PACKER, RIH AND LATCH RBP, POOH. CONTACT OFFICE AND DISCUSS FRAC POTENTIAL.

13. RIW W/ PRODUCTION TUBING AND TAC.

14. RIH W/ PUMP AND RODS. SPACE OUT RODS. RDMOPU.

# RECEIVED

AUG 03 2010  
 NEW MEXICO OIL CONSERVATION COMMISSION  
 WELL LOCATION AND ACREAGE DEDICATION PLAT  
 HOBBS OFFICE O.C.C.  
 HOBBSOCD

Fb.  
 Sup  
 Eff

All distances measured from the outer boundaries of the Section.

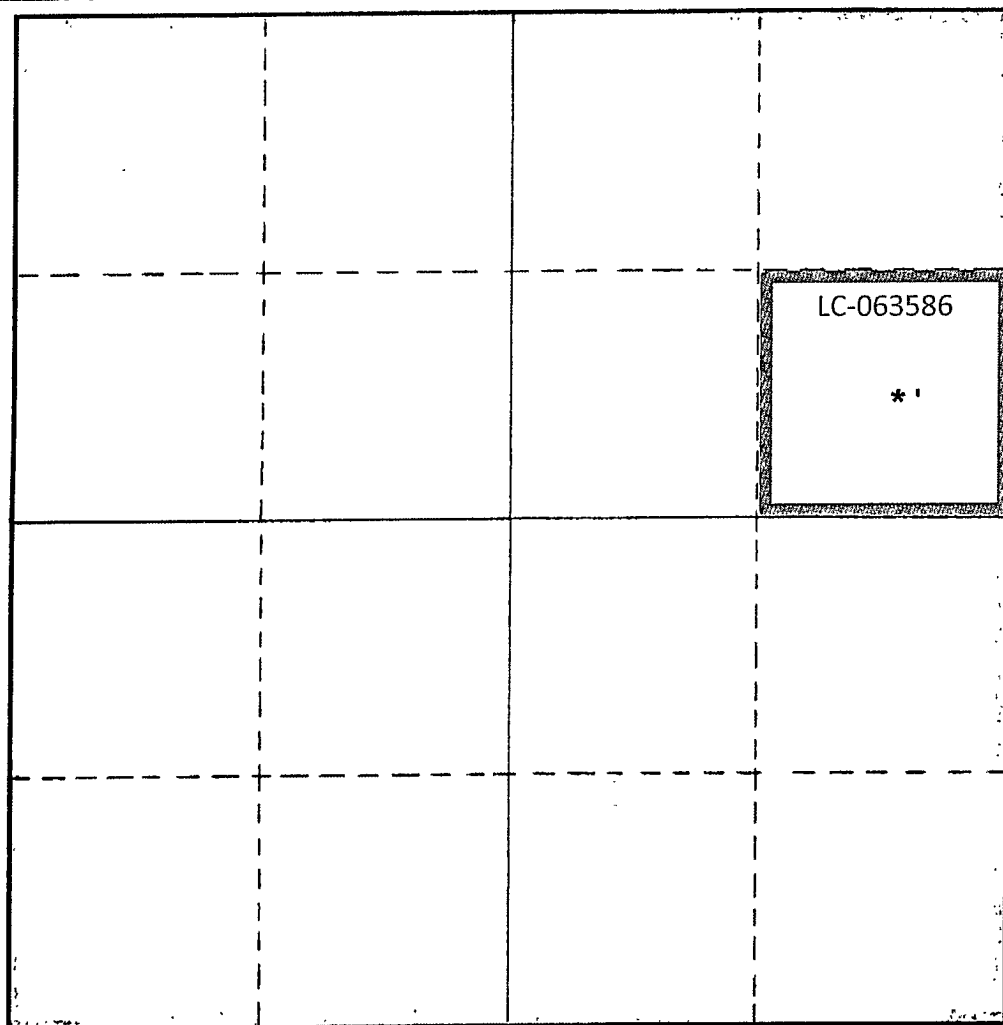
Operator Cimarex Energy Co. of Colorado			Lease Southern California Federal		Well No. 001
Unit Letter H	Section 29	Township 19S	Range 32E	County Lea	
Actual Footage Location of Well:					
1980' feet from the North line and		660' feet from the East line			
Ground Level Elev: 3560.9 ft.	Producing Formation Brushy Canyon (Delaware)		Pool Delaware	Dedicated Acreage: 40	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



## CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Zeno Farris*

Name

Zeno Farris

Position

Mgr Operations Administration

Company

Cimarex Energy Co. of Colorado

Date

7/21/2010

I hereby certify that the well location shown on this plat was plotted from notes of actual surveys made by under my supervision, and that the is true and correct to the best knowledge and belief.

3-12-62

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Truman Garb

Certificate No.

2126

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



Cimarex Energy Co. of Colorado  
LWDU #908 (Southern CA Fed #1)  
1980' FNL & 660' FEL  
UL H Sec 29 T19S R32E  
API # 30-025-00925  
GL: 3561' KB: 3577'

13 3/8" 54.5# J55 csg @ 844'  
Cmt w/950 sxs, circ to surface

*current w B D*  
17 1/2" hole to 844'

9 5/8" 40# N80 csg @ 3947'  
Cmt w/3125 sxs, circ to surface

DV Tool @ 2652'

12 1/4" hole to 3947'

Ran 4/20/07

TUBING	Length	Depth
KB	16	
1 - 6' 2-7/8" Sub	6	22
193 Jts 2-7/8" Tbg	6277.7	6283.7
2-7/8" x 5-1/2" TAC	2.85	6286.5
8 Jts 2-7/8"	259.89	6546.4
2-7/8" SN	1.1	6547.5
2-7/8" x 4" Perf Sub	4	6551.5
2-7/8" MA	25.75	6577.2
TOTAL		6577.2

Squeezed 5 1/2" csg leak from 4631'-46'  
with 375 sxs cmt. (10/86)

Casing Leak detected again, 4615-77'  
Produced for 2yrs starting **4/87**

New Leak Sqz'd in **9/89** prior to Frac on Brushy Canyon

Delaware Perfs:  
6448'-58' (**9/89**)

Acidized and Frac'd

Cmt PBTD 6850'  
Squeeze holes @ 6970' 20 Holes (**9/89**)  
Cemented w/ 975 sxs, NO CBL

Ran 9/23/08

RODS & PUMP	Quantity	Length
1-1/2" PR	1	24
1" Pony Rod	1	4
1" Rods	80	2000
7/8" Rods	80	2000
3/4" Rods	76	1900
1-1/2" K-Bars	20	500
2.5"x2"x24" Pump RHBC	1	24
Total		6452

Cement Retainer @ 7812' Sqz'd w/150 sxs cmt.  
66' cement on top (**4/87**) PBTD 7746'

Casing Leak 7958-8085'

TOC 5 1/2" csg 10,380' (Temp Survey)

Cement Retainer @ 11,292 66' Sqz'd w/160 sxs cmt.  
440' cement on top (**4/87**) PBTD ~10852'

**Strawn and Morrow Squeezed off**

Dual Packer @ 11,334' (8/82) NOT REC'D

Strawn Perfs:

11,410'-30' (7/62)

Brown Hydro Pkr @ 12396'

Morrow Perfs:

12,448'-62', 12,470'-78' & 12,480'-88' (7/62)

11335' (8/82)

5-1/2" 17# P110/N80 LT&C csg @ 12,833'  
Cmt w/ 580 sxs, TOC 10,380' (Temp Survey)  
CMT RET @ 11,292'

7 7/8" hole to 12,833'

TD: 12,833'

**Cimarex Energy Co. of Colorado**

LWDU #908 (Southern CA Fed #1)

1980' FNL &amp; 660' FEL

UL H Sec 29 T19S R32E

API # 30-025-00925

GL: 3561' KB: 3577'

13 3/8" 54.5# J55 csg @ 844'

Cmt w/950 sxs, circ to surface

*Proposed TA w BD*  
17 1/2" hole to 844'

DV Tool @ 2652'

9 5/8" 40# N80 csg @ 3947'

Cmt w/3125 sxs, circ to surface

12 1/4" hole to 3947

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with 375 sxs cmt. (10/86)

Casing Leak detected again, 4615-77'

Produced for 2yrs starting **4/87**New Leak Sqz'd in **9/89** prior to Frac on Brushy Canyon**CICR 6400' w/ 35' cmt cap****Delaware Perfs: SQUEEZE WITH CICR @ 6400'**

6448'-58'

Acidized and Frac'd

Cmt PBD 6850'

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Cemented w/ 975 sxs, NO CBL

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Delaware Perfs: **Proposed to Squeeze off**  
6448'-58'

Acidized and Frac'd

**Proposed 6712-6735' Lower Brushy Canyon**

Cmt PBTD 6850'

Squeeze holes @ 6970' 20 Holes (**9/89**)

Cemented w/ 975 sxs, NO CBL

Ran 9/23/08

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7 7/8" hole to 12,833'

TD: 12,833'

**BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

**Temporary Abandonment of Wells on Federal Lands  
Conditions of Approval**

A temporarily abandoned well is defined as a completion that is not capable of production in paying quantities but which may have value as a service well. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

Temporary Abandonment (TA) status approval requires a successful mechanical or casing integrity test as follows:

1. A Notice of Intent (NOI) Sundry Notice (Form 3160-5) requesting approval to run a mechanical integrity test (MIT) or casing integrity test (CIT).
2. A description of the temporary abandonment procedure.
  - a. A bridge plug or packer must be installed as close to 50 feet above any open perforations or open hole as possible. If a cement plug is used, the top of the cement must be verified by tagging.
  - b. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes. Any leak-off will be evaluated.
  - c. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
  - d. A bradenhead test must be conducted. If the test indicates a problem exists, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
  - e. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 575-361-2822; Lea County 575-393-3612.
3. **Provides justification why the well should be temporarily abandoned rather than permanently plugged and abandoned and an estimated date that the well will be returned to beneficial use or plugged and abandoned.**

Wells that successfully pass the casing integrity test may be approved for Temporary Abandonment (TA) status provided that the operator:

1. **Submits a subsequent Sundry Notice** (Form 3160-5) requesting TA approval **with well bore diagram** with all perforations and CIBP's and tops of cement on CIBP's.
2. Describes the temporary abandonment procedure.
3. Attaches a clear copy or the original of the pressure test chart.
4. Give justification to allow well to be place in TA status and plan for future use of well with time frame that well will be place back on line or plans to P&A well will be submitted.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following:

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.

**Lusk west Delaware Unit #908. Well may be approved to be TA/SI for a period of 90 days until October 31, 2010 after successful MIT and subsequent report with well bore diagram is submitted. This will be the only TA approval for this well. Well must be P&A or plans to return to beneficial use submitted by October 1, 2010. Well was drilled 3/1962. Well was SI 4/2009.**