

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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.*5. Lease Serial No.  
NMNM9824

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

MAY 25 2017

RECEIVED

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: DAVID A EYLER

E-Mail: DEYLER@MILAGRO-RES.COM

## 3a. Address

202 S CHEYENNE AVE. SUITE 1000  
TULSA, OK 74103

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

Ph: 432-687-3033

## 8. Well Name and No.

LAGUNA DEEP LN 01

## 9. API Well No.

30-025-25886-00-S1

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

Sec 35 T19S R33E SWNE 1650FNL 1980FEL ✓

## 10. Field and Pool or Exploratory Area

GEM

TEAS

## 11. County or Parish, State

LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Re	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Aband	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

INT TO PA Pm. x  
P&A NR \_\_\_\_\_  
P&A R \_\_\_\_\_

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

- 1) TAG EXISTING 5-1/2" CIBP @ +/-9,410'; PUMP 25 SXS.CMT. @ 9,410'-9,220'.
- 2) SET 5-1/2" CIBP @ 8,600'; PUMP 70 SXS.CMT. @ 8,600'-8,056'(T/B.S.); CIRC.WELL.
- 3) CUT X PULL 5-1/2" CSG. @ +/-5,278'.
- 4) PUMP 55 SXS.CMT. @ 5,353'-5,203'(5-1/2"CSG.STUB,9-5/8"CSG.SHOE); WOC X TAG.
- 5) PUMP 100 SXS.CMT. @ 3,145'-2,910'(13-3/8"CSG.SHOE,B/SALT); WOC X TAG.
- 6) PUMP 55 SXS.CMT. @ 2,737'-2,617'(9-5/8"DV TOOL); WOC X TAG CMT. PLUG.
- 7) PUMP 70 SXS.CMT. @ 1,420'-1,272'(20"CSG.SHOE,T/SALT/ANHY.); WOC X TAG.
- 8) MIX X CIRC. 25 SXS.CMT. @ 63'-3'.
- 9) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; WELD ON STEEL PLATE TO CSGS. X INSTALL GROUND LEVEL DRY HOLE MARKER.

DURING THIS PROCEDURE WE PLAN TO USE THE CLOSED-LOOP SYSTEM W/ A STEEL TANK AND HAUL CONTENTS TO THE REQUIRED DISPOSAL, PER OCD RULE 19.15.17.

LPC GAS

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Electronic Submission #364482 verified by the BLM Well Information System

For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 02/03/2017 (17PP0133SE)

Name (Printed/Typed) DAVID A EYLER

Title AGENT

Signature (Electronic Submission)

Date 01/22/2017

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Wates

Title

Eng

Date

5/19/17

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

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.

(Instructions on page 2)

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

FOR RECORD ONLY

Mw/OCD 05/30/2017

KB 17'

 20" 106 5# and 94# K-55 USS BUTT @ 1370'  
 Cmtd w/ 1350 sx - Cmmt Circ

DV Tool @ 2677'

 13-3/8" 61# S-80 & 54 5# K-55 8rd ST&C @ 3095'  
 Cmtd w/ 2200 sx - Cmmt Circ  
 water flow @ 2500'

 9-5/8" 40# N-80 8rd LT&C  
 and 36# S-80 8rd ST&C @ 5278' Cmtd w/ 800 sx  
 TOC @ DV Tool @ 2677'

**Tubing Detail**

Laguna Deep Federal 1

KB Correction 17

Ran: 10/4/2012

Quantity	Description	Length	Setting Depth
1	KB	17.00	17.00
271	2-7/8" 6.5# N-80 8rd EUE Tubing	8565.73	8582.73
1	TAC 2 7/8" X 5.5"	3.10	8585.83
14	2-7/8" 6.5# N-80 8rd EUE Tubing	444.20	9030.03
9	2-7/8" 6.5# L-80 8rd EUE Tubing	288.82	9318.85
1	Seating Nipple 2 7/8" API	1.10	9319.95
1	Perforated Sub 2 7/8"	4.10	9324.05
1	BPMA 2 7/8"	31.72	9355.77
	Total String Length	9338.77	
	Total Depth	9355.77	

**Rod Detail**

Laguna Deep Federal 1

Quantity	Description	Length	Setting Depth
1	Polish Rod 1 1/4" X 28' w/ 14' liner	26.00	26.00
1	Pony Rods 1-8" 1-8" 1-4"	18.00	44.00
362	3/4" Grade T66 Rods - FHSM Used	9050.00	9094.00
8	1 1/2" Sinker Bar - FHSM Used	200.00	9294.00
1	RHR tool	1.00	9295.00
1	Guided pony rod	2.00	9297.00
1	25-125-20 RHBC	20.00	9317.00
	Total String Length	9317.00	

EOT @ 9356'

PBTD @ 9410'

Bone Spring perms 8632 - 9358'

 CIBP @ 9410' (Halliburton EZ Drill)  
 Bone Spring perms 9423'-31'

Bone Spring perms 9437'-41'

 CIBP @ 9620'  
 DV Tool @ 9821'

 CIBP @ 11200' w/ 35' Cmmt  
 Wolfcamp perms 11279'-84', 11291'-306'

 CIBP @ 12900' w/ 40' Cmmt  
 Morrow perms 13000'-13016'

CIBP @ 13090' w/ 20' Cmmt

Morrow perms 13108'-109', 13115'-118', 13146'-150'

Morrow perms 13365'-13369' - squeezed

 Cmmt retainer @ 13986'  
 Top of 3-1/2" Liner @ 14224'

 5-1/2" 17# S-95 and N-80 8rd LT&C @ 14348'  
 Cmtd w/ 2150 sx

Devonian perms 14580'-14684'

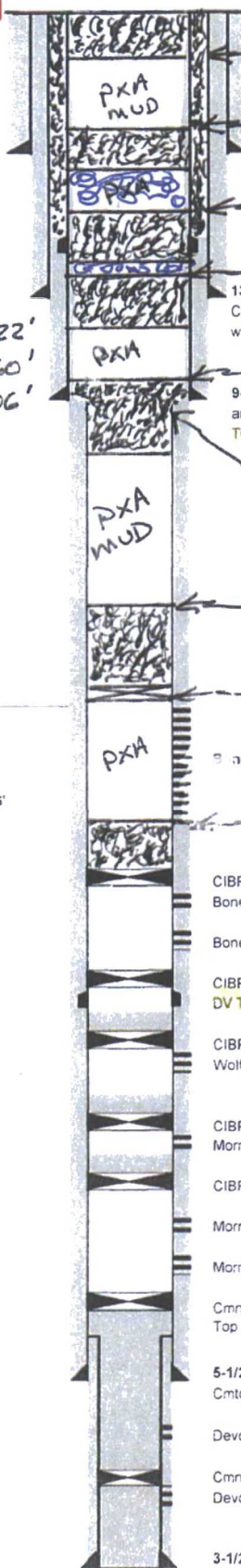
 Cmmt Retainer @ 14700'  
 Devonian perms 14704'-14710'

 3-1/2" 10 3# N-80 LINER @ 14753'  
 Cmtd w/ 50 sx  
 TD @ 14753'



KB 17'

T/ANHY. ~1,322'  
B/SALT ~2,960'  
T/B.S. ~8,106'



CIRC. 25 SXS @ 63'-3'

Pump 70 SXS @ 1,420'-1,272' TAG

20" 106 5# and 94# K-55 USS BUTT @ 1370'

Cmnt w/ 1350 sx - Cmnt Circ.

Pump 55 SXS @ 2,737'-2,617' TAG

DV Tool @ 2677'

Pump 100 SXS @ 3,445'-2,910' TAG

13-3/8" 61# S-80 & 94 5# K-55 8rd ST&C @ 3095'

Cmnt w/ 2200 sx - Cmnt Circ.

water flow @ 2500'

Pump 55 SXS @ 5,353'-5,203' TAG

9-5/8" 40# N-80 8rd LT&C

and 36# S-80 8rd ST&C @ 5278' Cmnt w/ 800 sx

TOC @ DV Tool @ 2677'

CUT 5-1/2" CSG @ 5,278'

Pump 70 SXS @ 8,600'-8,056'

SET 5-1/2" CIBP @ 8,600'

Bone Spring perfs 8632 - 9358'

Pump 25 SXS @ 9,410'-9,220'

CIBP @ 9410' (Halliburton EZ Drill)

Bone Spring perfs 9423'-31'

Bone Spring perfs 9437'-41'

CIBP @ 9620'

DV Tool @ 9821'

CIBP @ 11200' w/ 35' Cmnt

Wolfcamp perfs 11279'-84', 11291'-306'

CIBP @ 12900' w/ 40' Cmnt

Morrow perfs 13000'-13016'

CIBP @ 13090' w/ 20' Cmnt

Morrow perfs 13108'-109', 13115'-118', 13146'-150'

Morrow perfs 13365'-13369' - squeezed

Cmnt retainer @ 13986'

Top of 3-1/2" Liner @ 14224'

5-1/2" 17# S-95 and N-80 8rd LT&C @ 14348'

Cmnt w/ 2150 sx

Devonian perfs 14580'-14684'

Cmnt Retainer @ 14700'

Devonian perfs 14704'-14710'

3-1/2" 10 3# N-80 LINER @ 14753'

Cmnt w/ 50 sx

TD @ 14753'

DAS 01/14/17

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

**Permanent Abandonment of Federal Wells**  
**Conditions of Approval (LPC Habitat)**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

**The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.**

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**



Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:**

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted