

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.  
NMLC028731B

6. If Indian, Allottee or Tribe Name

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

7. If Unit or CA/Agreement, Name and/or No.  
NMNM111789X

8. Well Name and No.  
DODD FEDERAL UNIT 23

9. API Well No.  
30-015-25790-00-S1

10. Field and Pool or Exploratory Area  
DODD-GLORIETA-UPPER YESO

11. County or Parish, State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
COG OPERATING LLC  
Contact: ABIGAIL ANDERSON  
E-Mail: abbym@bcmmandassociates.com

3a. Address  
600 W ILLINOIS AVENUE  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-580-7161

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 14 T17S R29E NWNW 125FNL 25FWL

**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/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompletable 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 recompletable 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.

- Set 5 1/2" CIBP @ 4120'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 4120-3920'. WOC & Tag
- Spot 25 sx cmt @ 2000-2400'. (San Andres) Set CIBP @ 2725'. Spot 25 sx cmt @ 2525'.
- Spot 25 sx cmt @ 1000-800'. WOC & Tag (B/Salt) Spot 25 sx cmt @ 925'-775'
- Spot 55 sx class C cmt @ 485'-Surface (T/Salt & Shoe) Spot 70 sx cmt @ 535'-Surface
- Cut off well head, verify cmt to surface, weld on Below Ground Dry Hole Marker.

GC 8/22/19  
Accepted for record - NMOCD

Carlsbad Field Office  
OCD Artesia

RECEIVED

AUG 21 2019

Approved with conditions. Please see Attached COAs DISTRICT//ARTESIA/OCD

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #462796 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/25/2019 (19DLM0434SE)

Name (Printed/Typed) ABIGAIL ANDERSON	Title AGENT
Signature (Electronic Submission)	Date 04/24/2019

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By JEROMY PORTER Title PETROLEUM ENGINEER Date 05/03/2019

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 Carlsbad

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.

**Revisions to Operator-Submitted EC Data for Sundry Notice #462796**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	ABD NOI	ABD NOI
Lease:	NMLC028731B	NMLC028731B
Agreement:		NMNM111789X (NMNM111789X)
Operator:	COG OPERATING, LLC 600 W. ILLINOIS AVE MIDLAND, TX 79701 Ph: 432-683-7443	COG OPERATING LLC 600 W ILLINOIS AVENUE MIDLAND, TX 79701 Ph: 432.685.4385
Admin Contact:	ABIGAIL ANDERSON AGENT E-Mail: abbym@bcmmandassociates.com  Ph: 432-580-7161	ABIGAIL ANDERSON AGENT E-Mail: abbym@bcmmandassociates.com  Ph: 432-580-7161
Tech Contact:	ABIGAIL ANDERSON AGENT E-Mail: abbym@bcmmandassociates.com  Ph: 432-580-7161	ABIGAIL ANDERSON AGENT E-Mail: abbym@bcmmandassociates.com  Ph: 432-580-7161
Location:		
State:	NM	NM
County:	EDDY CO	EDDY
Field/Pool:	DODD-GLORIETA-UPPER YESO	DODD-GLORIETA-UPPER YESO
Well/Facility:	DODD FEDERAL UNIT 23WIW Sec 14 T17S R29E ODES 125FNL 25FWL 32.841564 N Lat, 104.053978 W Lon	DODD FEDERAL UNIT 23 Sec 14 T17S R29E NWNW 125FNL 25FWL

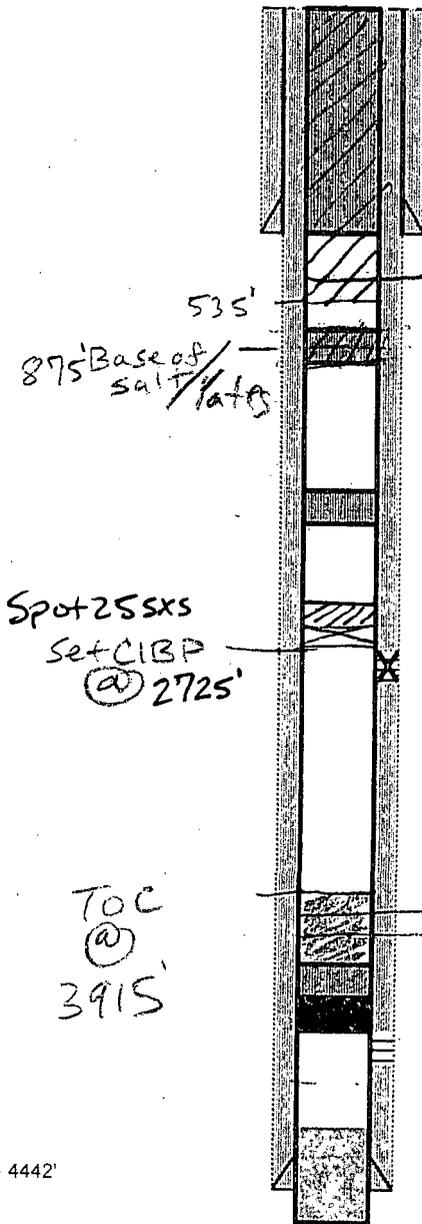
# COG Operating, LLC

**Lease & Well #**

3001525790  
 Spud date 9-13-87  
 Completion date 12-1-87  
 Elevation - 3619 GL

**Dodd Federal Unit #23 WIW**

Sec 14 T 17S R 29E, 125 FNL & 25 FWL UNIT D  
 EDDY CO., NM



4. Spot 55 sx cmt @ ~~485'~~ to Surface.  
 (T/Salt & 8 5/8" Shoe) 535' - 70 sacks  
 12 1/4" hole  
 8 5/8" 24# @ 333 w/250 sx. Circ 35 sxs.

Top of Salt flats

3. Spot 25 sx cmt @ 1000-800'. WOC & Tag (B/Salt)

2. Spot 25 sx cmt @ 2600-2400'. (SA)

Re-sqzd perms w/250 sxs. 11-03-09  
 Sqzd perf'd @ 2,789-3405 w/2000 gals flo ck & 1500 sxs cmt.  
 2/5/2008  
 Perf'd @ 2789-3405' (Grbg-SA). A/ 4000 gals 15%  
 Frac'd w/ 252K gals GBW, 50K # 20/40, 150K # 12/20  
 & 200K # 8/16 12-11-87

Spot 25 sxs  
 Set CIBP  
 @ 2725'

TOC  
 @  
 3915'

Top of Gabriela - 3991'  
 IP P 20 BO, 38 MCF 12-2-87 Top of Yeso - 4055'

Set pkr @ 4081'. Converted to PDK WIW 2-8-08

1. Set 5 1/2" CIBP @ 4115'. Circ hole w/ MLF. Pressure test csg.  
 Spot 25 sx cmt @ 4115-3915'. WOC & Tag

Perf'd 4166-4301', PDK, A/7000 gals HCL, 32,000 gals 20%  
 10/23/1987

7 7/8" hole  
 5 1/2" 17# csg @ 4477' w/2250 sx. Circ 210 sxs.  
 TD @ 4496'

PBTD - 4442'

# COG Operating, LLC

## Lease & Well #

3001525790

Spud date 9-13-87

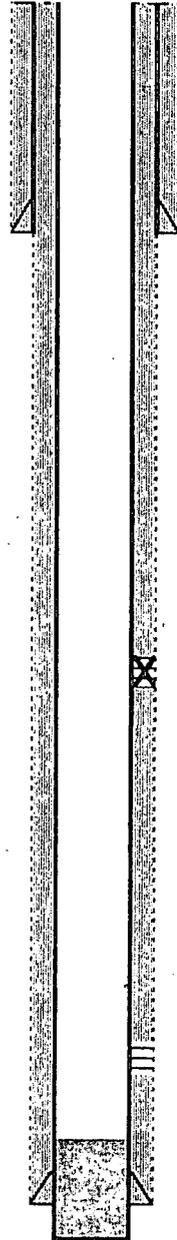
Completion date 12-1-87

Elevation - 3619 GL

## Dodd Federal Unit #23 WIW

Sec 14 T 17S R 29E, 125 FNL & 25 FWL UNIT D

EDDY CO., NM



12 1/4" hole

8 5/8" 24# @ 333 w/250 sx. Circ 35 sxs.

Re-sqzd perms w/250 sxs. 11-03-09

Sqzd perf'd @ 2,789-3405 w/2000 gals flo ck & 1500 sxs cmt.

2/5/2008

Perf'd @ 2789-3405' (Grbg-SA). A/ 4000 gals 15%

Frac'd w/ 252K gals GBW, 50K # 20/40, 150K # 12/20

& 200K # 8/16 12-11-87

IP P 20 BO, 38 MCF 12-2-87

Set pkr @ 4081'. Converted to PDK WIW 2-8-08

Perf'd 4166-4301', PDK, A/7000 gals HCL, 32,000 gals 20%

10/23/1987

7 7/8" hole

5 1/2" 17# csg @ 4477' w/2250 sx. Circ 210 sxs.

TD @ 4496'

PBTD - 4442'

32.8415642

-104.053978

**DODD FEDERAL UNIT 23**  
**30-015-25790-00-S1**  
**COG OPERATING LLC**  
**Conditions of Approval**

Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15. Exceptions to these restrictions may be granted by BLM's Johnny Chopp <jchopp@blm.gov> 575.234.2227 or Bob Ballard <bballard@blm.gov> 575.234.5973.

Well is within Medium/High/Critical Cave/Karst. A cement plug is required from 400 feet (a minimum of 50 feet below cave depth) to surface.

Operator to have H2S monitoring equipment on location as H2S has been reported in the area.

**Plugging Procedure:**

1. Plug 1 – Spot 25 sxs Class C neat at 4,115' on top of CIBP at 4,115'. Top of Glorieta 3991'. WOC and tag at 3915' or shallower.
2. Plug 2 – Spot 25 sxs Class C neat at 2,725' on top of CIBP at 2,725'. WOC and tag plug at 2,525' or shallower. Top Perforation 2,789'.
3. Plug 3 – Spot 25 sxs Class C neat at 925'. WOC tag plug at 725' or shallower. Top of Yates at 875'.
4. Plug 4 – Spot 70 sxs Class C neat at 535'. Top of Salt at 485'.

**JJP05032019**

**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

Requirements for ground level dry hole markers  
Well Identification Markers  
Conditions of Approval (COA)

The BLM Carlsbad Field Office (CFO) Conditions of Approval (COA) Require that ground level dry hole markers be placed on wells within the Lesser Prairie Chicken habitat area. The dry hole markers will be to the following specifications. The operator will construct the markers as follows:

1. An 8 inch X 8 inch steel plate 1/8 to 3/16 of an inch thick is to be placed on the dry hole marker stand pipe 2 inches from ground level, in the Lesser Prairie Chicken habitat area.
2. Steel plate may be welded or bolted approximately 2 inches from ground level on the stand pipes. If plates are bolted to the stand pipe, the person installing the plate will be required to weld a pipe collar on the plate and place a minimum of two set screws/bolts on each collar. Aluminum data plates may be bolted with minimum 1/4 inch bolts and locking nuts or self tapping fine threaded screws. A minimum of one in each corner is to be installed on each plate.
3. An 8 inch x 8 inch aluminum plate, which is 12 gauge or .080 sign material (1/8 inch aluminum plate may be used in place of the .080 plate) with the required information for that well stamped or engraved in a minimum 3/8 inch tall letter or number.
4. The following information will be stamped or engraved on the 8 inch X 8 inch aluminum plate in the following order.
  - a. First row: Operator's name
  - b. Second row: Well name and number
  - c. Third row: Legal location to include 1/4 1/4, Section, Township, and range. If the legal location cannot be placed on one row it can be split into two rows with the 1/4 1/4 (example: 1980 FNL 1980 FWL) being on the top row.
  - d. Fourth row: Lease Number and API number.
    - i. Example marker plate: (attached)

NMOCD Order No. R-12965 also required 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 ground level dry hole marker was installed as required in the COAs from the BLM.