

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.  
NMNM28881

6. If Indian, Allottee or Tribe Name

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

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

**HOBBS OCD**  
**SEP 07 2018**  
**RECEIVED**

8. Well Name and No.  
DIAMOND 31 FEDERAL SWD 1

9. API Well No.  
30-025-29000

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EOG RESOURCES, INC  
Contact: KAY MADDOX  
E-Mail: kay\_maddox@eogresources.com

3a. Address  
PO BOX 2267 ATTENTION; KAY MADDOX  
MIDLAND, TX 79702

3b. Phone No. (include area code)  
Ph: 432-686-3658

10. Field and Pool or Exploratory Area  
SWD;DELAWARE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 31 T24S R34E Mer NMP NESW 1980FSL 1980FWL  
32.172233 N Lat, 103.511062 W Lon

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 (Sta
<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 A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposa.

INT TO PA Am  
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.

EOG RESOURCES PROPOSES TO PLUG THIS WELL USING THE ATTACHED PROCEDURE. CURRENT AND PROPOSED WELLBORE SCHEMATICS ALSO ATTACHED.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

*Below ground level dry hole marker required*

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #428146 verified by the BLM Well Information System For EOG RESOURCES, INC, sent to the Hobbs

Name (Printed/Typed) KAY MADDOX Title REGULATORY SPECIALIST

Signature (Electronic Submission) Date 07/20/2018

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

Approved By James G. Jones Title Supv. PET Date 9-4-18

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 field Office

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)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**FOR RECORD ONLY**  
NMCD 09/10/2018

Diamond 31 Fed #1 SWD  
API# 30-025-29000  
Proposed Plugging Procedure  
AFE # 110628

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The PSL 57 #1801 is an injector in Lea County, NM.  
Well is shut-in.  
Well was last pulled in September of 2016.

**PROCEDURE:**

1. MIRU
2. Set 7" CIBP at 5400' and dump bail 8 sacks of class C cement. *or spot 25 sk.*
3. Test csg to 500psi
4. Load 7" casing with the required mix of mud between plugs of 25 sacks of salt water gel per 100 barrels in 9lb/gal brine.
5. Spot 50 sacks of class C cement plug at: *(Top Del) - 5268 - 5020* and TAG (across 9-5/8" shoe), TAG at 5070' or above.  
*Min. Plug = 100' + 10% per 1000' depth. = 150' plug*
6. Perf 7" casing at 2850' *+ T/Del = 248' plug.*
7. Use a packer to squeeze 50 sacks of class C cement from 2850' to 2750' inside the 7" csg and the 7"x 9-5/8"
8. Perf 7" casing at 670' *Add-Perf @ 4120 - 3980 (B/salt). woc Tag.*
9. Use a packer to squeeze 50 sacks of class C cement from 670' to 570' inside the 7" csg and the 7"x 9-5/8" annulus. Tag at 570' or above. *3762 - 5RZ emf to 3622 (B/salt) Tag.*
10. Cut off WH three feet below surface
11. Perf 7" casing at 100'
12. Squeeze 35 sacks of class C cement from 100' to surface inside the 7" csg and the 7"x 9-5/8" annulus. Tag at surface.
13. Verify cement to surface on all strings
14. Weld on P&A marker, cut off anchors three feet below surface.
15. RDMO

Prepared by: Eric Burkholder

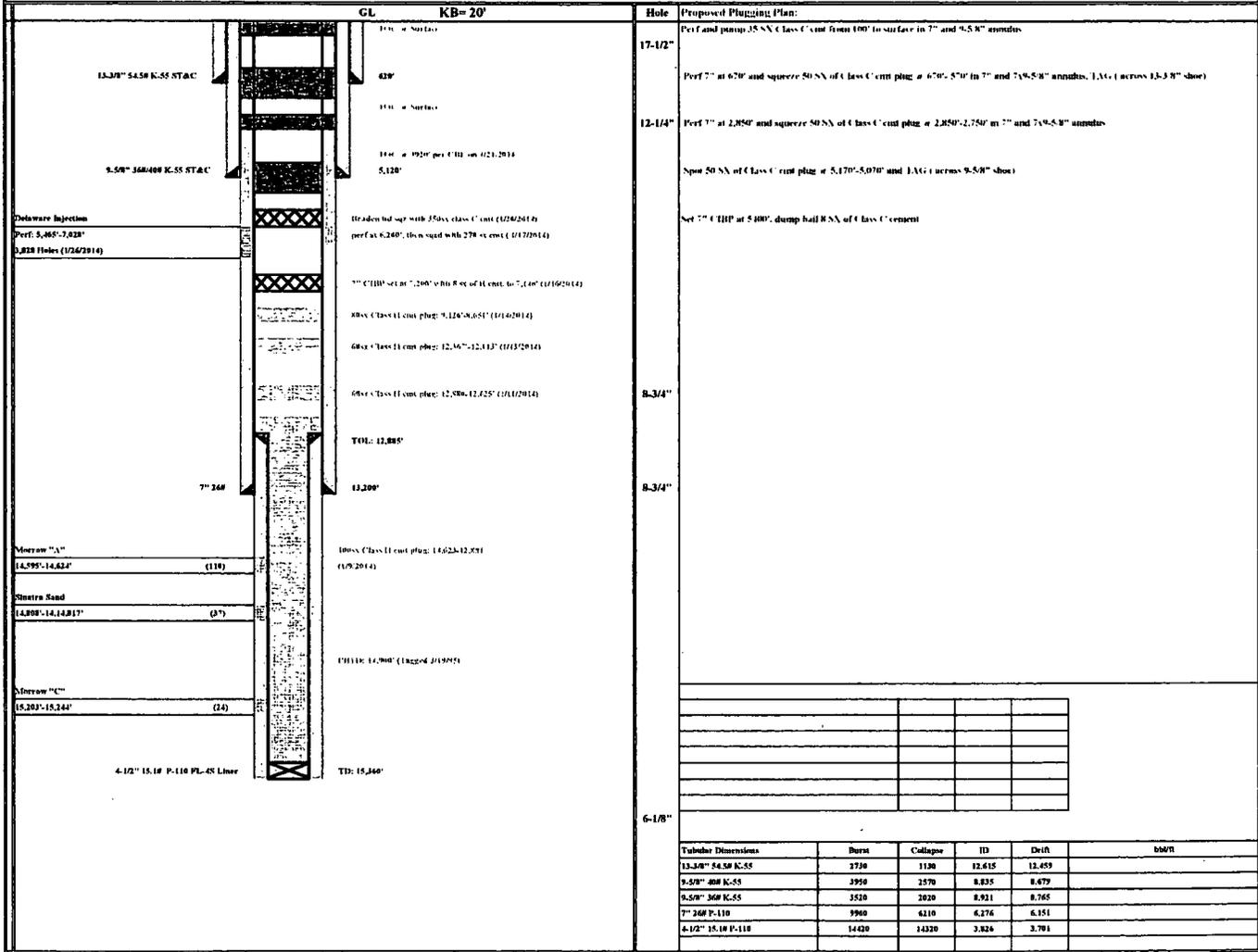


**DIAMOND 31 FED COM #1 SWD Proposed P&A WBD ( not yet approved)**

API# 30-025-29000  
 Sect 31, T34S, R34E  
 1980' FSL, A 1980' FWL  
 Lea County, NM



SPUD TO  
 DRILLING 10/16/1994 12/9/1994  
 LAST REVISED 4/17/2010 EIR  
 NRI



Hole	Proposed Plugging Plan:
17-1/2"	Perforated pump 35 SA Class Cement from 100' to surface to 7" and 9.5" annulus.
12-1/4"	Perf 7" at 670' and squeeze 50 SA of Class Cement plug at 670', 570' to 7" and 7.9-5.8" annulus, 1 AG ( across 13-3/8" shoe)
8-3/4"	Perf 7" at 2,850' and squeeze 50 SA of Class Cement plug at 2,850'-2,750' to 7" and 7.9-5.8" annulus
8-3/4"	Sque 50 SA of Class Cement plug at 5,170'-5,070' and 1 AG ( across 9.50" shoe)
6-1/8"	Set 7" CTRP at 5,400', dump half BSA of Class Cement

Tube/ Dimensions	Burst	Collapse	ID	Drift	BMH
13-3/8" 54.5# K-55	2710	1120	12.615	12.459	
9.50" 36# K-55	2950	2870	8.835	8.679	
9.50" 36# K-55	3510	2020	8.921	8.765	
7" 26# P-110	9960	6110	6.276	6.151	
4-1/2" 15.1# P-110	14420	14320	3.826	3.791	

**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