

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. RED HILLS NORTH UNIT 801 ✓
2. Name of Operator EOG RESOURCES, INC. ✓ Contact: STAN WAGNER E-Mail: stan_wagner@eogresources.com		9. API Well No. 30-025-32651 ✓
3a. Address P.O. BOX 2267 MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432-686-3689	10. Field and Pool, or Exploratory RED HILLS; BONE SPRING
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T25S R34E 1830FNL 660FWL ✓		11. County or Parish, and State LEA COUNTY, NM

HOBBS OCD  
DEC 21 2015

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF SUBMISSION

TYPE OF SUBMISSION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Recomplete
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Temporarily Abandon
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	

RECEIVED  
E-PERMITTING <SWD DATA  
CONVERSION  
RETURN TO INJECTION  
CSNG INT TO P&A ENVIRO RBDMS  
P&A NR TA  
CHG LOC  
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 shall 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 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.)

EOG Resources proposes to P&A this well as follows:

- MIRU plugging equipment. Dig out cellar. ND wellhead. NU BOP.
- POOH w/ injection tubing. RIH w/ CIBP and set at 11980'. Dump 35' of cement on top of CIBP. Circulate hole w/ mud laden fluid.
- Spot 25 sx Class H cement plug for Bone Spring at 9250'-9450'.
- Run freepoint to 4900'. Determine freepoint, cut and pull free pipe.
- RBH and spot 50 sx class C cement plug for shoe + Delaware plug + Salt at 4900'-5300'. WOC and tag. ← SEE COA #7
- Spot 70 sx Class C cement plug from 3000'-3200' for the base of salt and shoe plug. WOC and tag.
- Spot 480 sx Class C shoe + salt plug at 620'-1150'. WOC and tag.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

SEE COA #4  
for Additional  
Step

RECLAMATION PROCEDURE  
ATTACHED

SEE COA #6 for  
Additional Step

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

Electronic Submission #317087 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Hobbs  
Committed to AFMSS for processing by LINDA JIMENEZ on 10/05/2015 ()

Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/21/2015

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	

APPROVED  
PETROLEUM ENGINEER  
DEC 12 2015  
Kenneth Rennick  
BUREAU OF LAND MANAGEMENT  
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.

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

MSB/OCS  
12/21/2015

DEC 31 2015  
11/16

*[Handwritten signature]*

**Additional data for EC transaction #317087 that would not fit on the form**

**32. Additional remarks, continued**

8. Set 90 sx Class C cement plug from surface to 315'.
9. Cut off wellhead and weld on Dry Hole Marker.

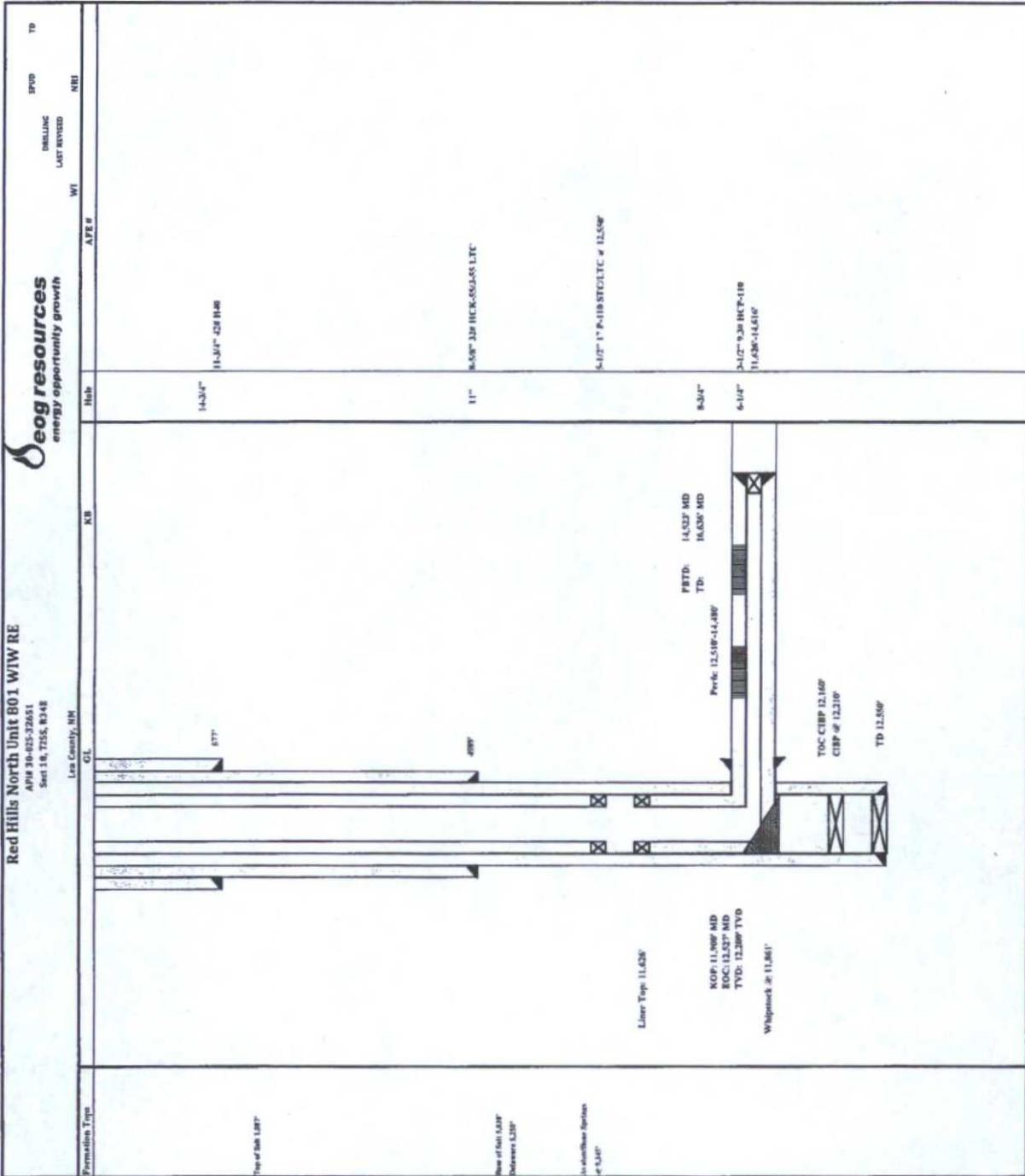
**Red Hills North Unit 801**  
**30-025-32651**  
**EOG Resources, Inc**  
**Surface Location: Sec. 18, T. 25S, R. 34E**  
**Conditions of Approval**

**Notify BLM at 575-393-3612 (Lea County) a minimum of 24 hours prior to commencing work. Some procedures are to be witnessed, which for this case shall be the tagging of certain Cement Plugs. If there is no response, leave a voice mail with the API#, workover purpose and a call back phone number.**

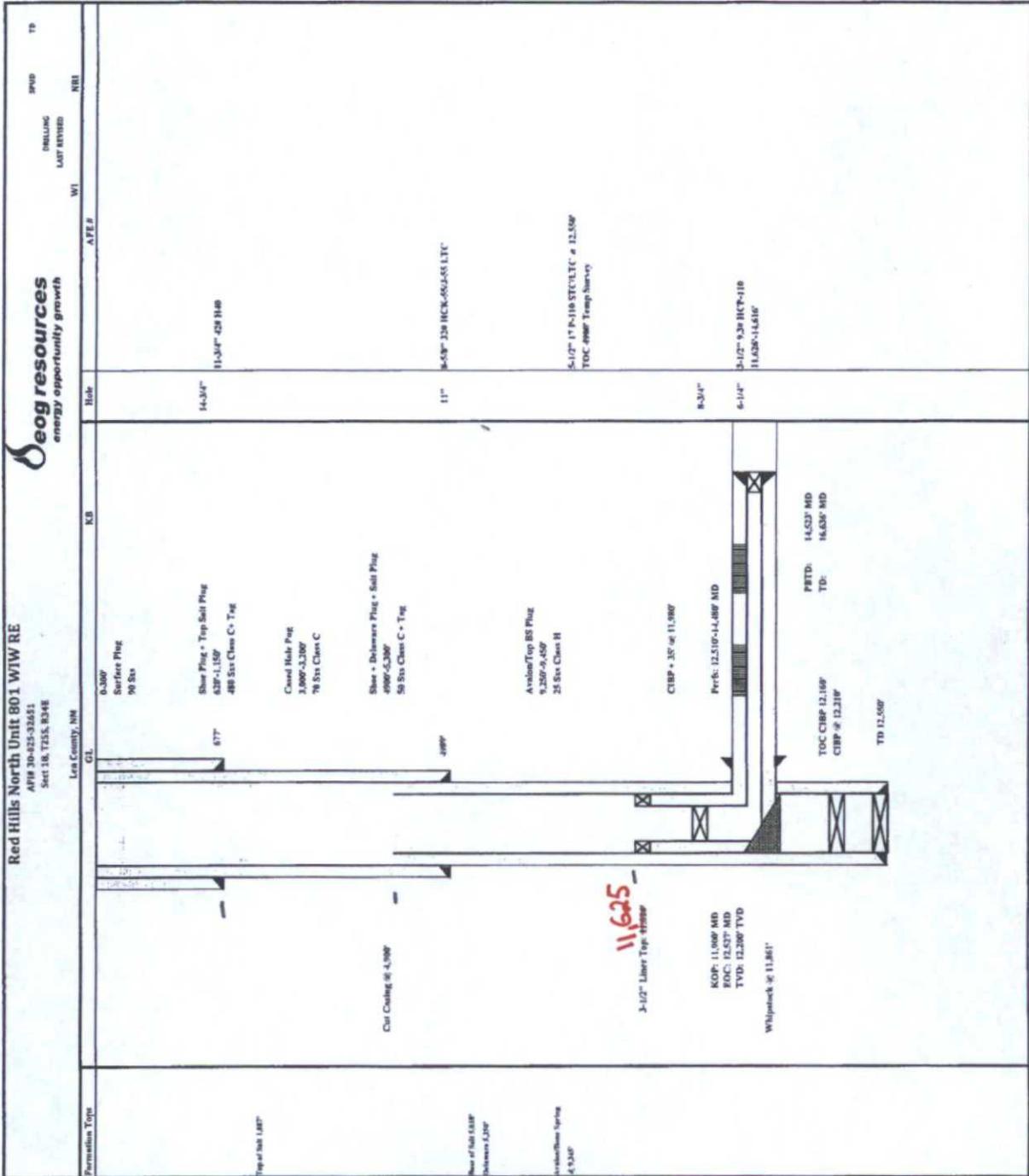
**Work to be completed by within ninety (90) days from the approval date.**

1. A minimum of a **3000 (3M)** BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
2. Operator to have H2S monitoring equipment on location.
3. Operator is approved to set the proposed CIBP at 11,980 feet and, by use of dump bail, cap with 35 feet (**Operator Step #2**). This will isolate the lateral section. The cement shall be Class H. Tag is required at, or above, 11,945 feet.
4. **Before Operator Step #3**, Operator shall set a plug to cover the 3 1/2 inch Liner Top at 11,625 feet. Plug must cover the interval of 11,675 to 11,455 feet with a minimum of 25 sacks of Class H Cement. Tag is required at, or above, 11,455 feet.
5. Operator is approved to set a plug to cover the Bone Spring formation at 9265 feet as proposed (**Operator Step #3**).
6. **Before Operator Step #4**, Operator shall set a plug to cover the interval of 7325 to 7500 feet. This will satisfy NMOCDC requirement that no more than 3000 feet between plugs in case hole. This must be done with a minimum of 25 sacks of cement.

SEE COA



SEE COA



7. Operator is approved to cut and pull free pipe, and to set a plug to cover the top of Delaware formation, base of salt, 8 5/8 inch Casing Shoe and 5 1/2 inch Casing Stub. Operator is also approved to set plug starting at 5300 feet, but shall have TOC being at least 50 feet above the most shallow out of the four attributes that were mentioned. Tag is required at this TOC **(Operator Step #4 and #5)**
8. Operator is approved to set a plug as proposed to cover the interval of 3200 to 3000 feet **(Operator Step #6)**.
9. Operator is approved to set a plug to cover the Surface Casing Shoe at 676 feet and the top of salt at 1087 feet as proposed **(Operator Step #7)**. Tag is required.
10. Operator is approved to set surface plug as proposed, as well as set the surface marker **(Operator Steps #8 and #9)**.
11. Surface disturbance beyond the originally approved pad must have prior approval.
12. Closed loop system required.
13. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
14. **Subsequent sundry required detailing work done. Operator to include well bore schematic of current well condition when work is complete.**
15. **See attached for the general guidelines to permanently abandon Federal Wells and reclamation procedure.**

**KGR 12102015**

**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**

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. Dry Hole Marker: 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.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

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.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292  
www.blm.gov/nm



In Reply Refer To: 1310

### Reclamation Objectives and Procedures

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos  
Supervisory Petroleum Engineering Tech  
575-234-5909, 575-361-2648 (Cell)

Arthur Arias  
Environmental Protection Specialist  
575-234-6230

Linda Denniston  
Environmental Protection Specialist  
575-234-5974

Henryetta Price  
Environmental Protection Specialist  
575-234-5951

Dara Glass  
Environmental Protection Specialist  
575-234-5924

Shelly Tucker  
Environmental Protection Specialist  
575-234-5979