

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMNM86172

6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CHEVRON USA INC

Contact: HOWIE LUCAS

E-Mail: howie.lucas@chevron.com

3a. Address

6301 DEAUVILLE BLVD. RM. N3007
MIDLAND, TX 79706

3b. Phone No. (include area code)

Ph: 832-588-4044

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

Sec 17 T20S R35E Mer NMP 1980FNL 660FEL
32.574999 N Lat, 103.473050 W Lon

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

8. Well Name and No.

APPLESEED FEDERAL 1

9. API Well No.

30-025-20377

10. Field and Pool or Exploratory Area

FEATHERSTONE, LYNCH

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/F	
<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 Aban	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

INT TO PA pm
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 recomple 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.

Please see attachments.

* No wolfcamp SWD well should be approved to drill within half mile of radius of this well.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECLAMATION PROCEDURE
ATTACHED

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

Electronic Submission #383981 verified by the BLM Well Information System
For CHEVRON USA INC, sent to the Hobbs
Committed to AFMSS for processing by MUSTAFA HAQUE on 09/21/2017 ()

Name (Printed/Typed) HOWIE LUCAS

Title ENGINEER

Signature (Electronic Submission)

Date 08/07/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USEApproved By Mustafa Haque

Title PETROLEUM ENGINEER

Date 10-05-2017

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

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**
MW/OCD 10/24/2017

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
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.**

5. Lease Serial No
NMNM86172
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No
APPLESEED FEDERAL 01

2. Name of Operator
CHEVRON USA INC

9. API Well No
30-025-20377-00-S1

3a. Address
6301 DEAUVILLE BLVD RM N3007
MIDLAND TX 79706

3b. Phone No. (include area code)
832-588-4044

10. Field and Pool or Exploratory Area
FEATHERSTONE, LYNCH

4. Location of Well (Footage, Sec., T., R. M., or Survey Description)
Sec 17 T20S, R35E SENE 1980 FNL 660 FEL
32 574999 N Lat. 103 473050 W Lon

11. Country 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/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 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 must 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 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.)

13-3/8" 61# @ 894' TOC surface, 9-5/8" 36# 5498' TOC surface (Tied Back), 7" 26# @ 14151' TOC 5500' via sonic log (Tied Back), Covered perfs 13659'-13774', 13552'-13620', 13326'-13412', Open perfs 10378'-10880', CIBP 14080' w/ 20' cmt cap, 13650' w/ 20' cmt cap, 13500', 13220' w/ 20' cmt cap, RBP w/ 20' sand cap 5230'.

Chevron respectfully requests to abandon this well as follows:

1. Notify BLM 24 hrs. prior to starting work (575) 234-5909.
 2. MIRU, NDWH, NU BOPE, clean-out sand t/ top of RBP & retrieve.
 3. Attempt injection rate, if not sufficient then cleanout t/ 10473', set packer at 10078', test csg. sqz MINIMUM 135 sx Class "H" cmt, WOC & tag (Perfs)
 4. Set CIBP at 10078', circulate MLF, spot 40 sx CL "H" cmt f/ 10078' t/ 9878'.
 5. Spot 40 sx CL "H" cmt f/ 8350' t/ 8150' (Bone Springs). Tag
 6. Perf at 5550' and sqz 80 sx CL "C" cmt f/ 5350' t/ 5550', WOC & tag (Shoe).
 7. Perf at 5113' and sqz 80 sx CL "C" cmt f/ 4913' t/ 5113', WOC & tag (San Andres).
 8. Perf at 3800' and sqz 160 sx CL "C" cmt f/ 3400' t/ 3800', WOC & tag (B. Salt, Yates)
 9. Perf at 2250' and sqz 80 sx CL "C" cmt f/ 2050' t/ 2250', WOC & tag (T. Salt)
 10. Perf at 950' and sqz 380 sxs cmt f/ 950' t/ surface (FW, Shoe).
 11. Cut off wellhead 3' below grade, Verify Cement To Surface, install required dry hole marker as per COA's, turn over to reclamation.
- All cement plugs will be class "C" or "H" with a closed loop system used.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)
Howie Lucas

Title Engineer

Signature

Date 08/07/2017

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

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137). Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Appleseed Fed Com 1 Current WBD

Lease----- Appleseed Fed Com
 Well #----- 1
 Field----- Featherstone
 County----- Lea
 State----- NM
 Cheveno----- FB3859
 API #----- 30-025-20377
 Status----- Shut-in Gas Well
 Battery

Updated----- 08/07/17 By: Howie Lucas
 Surf. Loc.----- 1980' FNL, 660' FEL
 Bot. Loc.----- Same
 Lat & Long 32.574999, 103.473050, NAD 83
 Unit Letter
 Section 17
 Township & Range 20S & 35E
 Survey SENE
 Ini. Spud----- 12/26/62
 Ini. Comp----- 12/26/62

Surface Casing

Size: 13-3/8"
 Wt., Grd.: 61#, J-55
 Depth: 894'
 Sxs Cmt: 565 sxs
 Circulate: Yes
 TOC: Surface
 Hole Size: 16"

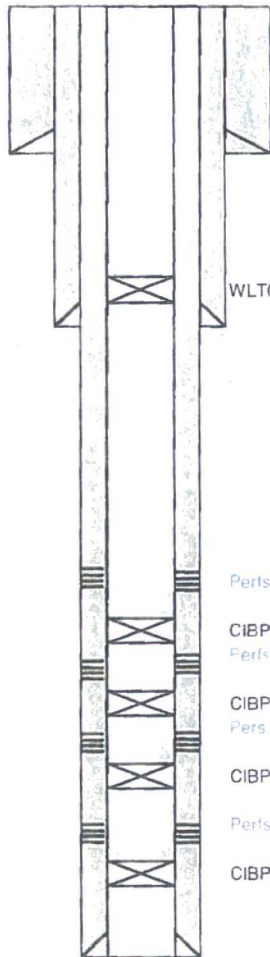
Intermediate Casing

Size: 9-5/8" Tied back in 1996
 Wt., Grd.: 36#, J-55
 Depth: 5,498'
 Sxs Cmt: 500 sxs
 Circulate: Yes
 TOC: Surface
 Hole Size: 11"

Production Casing

Size: 7", Tied back in 1996 & 2002
 Wt., Grd.: 26#, P-110
 Depth: 14,151'
 Sxs Cmt: 565 sxs
 Circulate: No
 TOC: 5,500' via Sonic log 2003
 Hole Size: 8-3/4"

PBTD: 13,200'
 TD: 15,040'



WLTC RBP @ 5230' w/ 20' sand

Perts 10,378 - 10,880 (Bone Spring)

CIBP @ 13,220' w/ 20' cmt cap

Perts 13,326 - 13,412

CIBP @ 13,500'

Perts 13,552 - 13,620

CIBP @ 13,650 w/ 20' cmt cap

Perts 13,659 - 13,774

CIBP @ 14,080 w/ 20' cmt cap

History:

4/17/64: Well abandoned by Jake L. Hamon; recovered 9000' of 7" casing and 1422' of 9-5/8" casing. Set cement plugs up to surface and set 4" marker.

4/17/64: Manzo Oil Corp re-entered well and tied back the 7" casing and 9-5/8" casing; cementing both strings

Note: original TOL 1/ 7" is at 5264', potential tight spot/partial collapse between 5240' - 5264'. Unable to get RBP past this point. Damaged casing at 10,472.5'. Unable to mill through when attempting to TA well in July of 2017. Unable to re-enter and required to TA and regroup.

Zone Tops:

Anyhdrite	1948'
Salt	2250'
Salt	3640'
Yates	3827'
San Andres	5113'
Bone Springs	8350'
Wolfcamp	11348'
Penn	12164'
Miss	14125'
Devonian	14958'

Appleseed Fed Com 1 Proposed WBD

Lease-- Appleseed Fed Com
 Well #-- 1
 Field-- Featherstone
 County-- Lea
 State-- NM
 Chevro-- FB3859
 API #-- 30-025-20372
 Status-- Shut-in Gas Well
 Battery

Updated-- 08/07/17 By: Howie Lucas
 Surf. Loc-- 1980' FNL, 660' FFL
 Bot. Loc-- Same
 Lat & Long 32.574299, 103.473050 NAD 83
 Unit Letter
 Section 17
 Township & Range 20S & 35E
 Survey SENE
 Inl. Spud-- 12/26/62
 Inl. Comp-- 12/26/62

Zone Tops

Anyhrite 1948
 Salt 2250'
 Salt 3540'
 Yates 3827
 San Andres 5113
 Bone Springs 8350
 Wolfcamp 11348
 Penn 12164
 Miss 14125'
 Devonian 14958'

Surface Casing

Size: 13-3/8"
 Wt. Grd 61#, J-55
 Depth 894
 Sxs Cmt 565 sxs
 Circulate Yes
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 Hole Size 16"

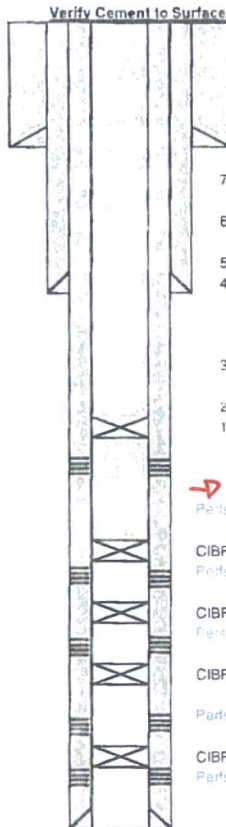
Intermediate Casing

Size: 9-5/8" Tied back in 1996
 Wt. Grd.: 36#, J-55
 Depth 5,498'
 Sxs Cmt 500 sxs
 Circulate Yes
 TOC- Surface
 Hole Size: 11"

Production Casing

Size 7". Tied back in 1996 & 2002
 Wt. Grd. 26#, P-110
 Depth 14,151'
 Sxs Cmt 565 sxs
 Circulate No
 TOC- 5 500 via Sonic log 2003
 Hole Size 8-3/4"

PBTD 13,200'
 TD 15,040'



8 Perf @ 950' & sqz 380 sxs cmt f 950' v surface (FW Shoe)

2300' 2100'-2300'
 7 Perf @ 2,250' & sqz 80 cmt f 2,250' v 2,250' WOC tag (T Salt)

3857 3457'-3857'
 6 Perf @ 3,827' & sqz 160 cmt f 3,827' v 3,827' WOC tag (B Salt Yates)

5 Perf @ 5,113' & sqz 80 sxs cmt f 4,913' v 5,113' WOC tag (San Andres)

4 Perf @ 5,550' & sqz 80 sxs cmt f 5,350' v 5,550' WOC tag (Shoe)

3 Spcl 40 sxs cmt f 6,350' v 6,150' (Bone Springs) .WOC & Tag

2 Set CIBP @ 10,078' circ MLE test csg. spcl 40 sxs cmt f 10,075' v 9,878' WOC tag (Peds)

1 Clean out sand on top of RBP and retrieve. Perform cleanout run v 10,473' RHP w/ packer and set at 10,078' sqz MINIMUM 135 sxs class "H" cmt, WOC & tag (Peds)

→ regreeze 125 sacks of cls. H cement into the BS perfor & tag @ 10300
 Peds 10,308 10,800 (Bone Spring)

CIBP @ 13,220' w/ 20' cmt cap
 Peds 13,226 13,412

CIBP @ 13,500'
 Peds 13,522 13,620

CIBP @ 13,650' w/ 20' cmt cap
 Peds 13,659 13,774

CIBP @ 14,080' w/ 20' cmt cap
 Peds 13,659 13,774

History

4/17/64. Well abandoned by Jake L. Hamon, recovered 900' of 7" casing and 1422' of 9-5/8" casing. Set cement plugs up to surface and set 4" marker.

4/17/84. Manzo Oil Corp. re-entered well and tied back the 7" casing and 9-5/8" casing cementing both strings.

Note: original TOL v 7" is at 5264'. potential tight spot/partial collapse between 5240' & 5264'. Unable to get RBP past this point. Damaged casing at 10,472.5'. Unable to mill through when attempting to TA well in July of 2017. Unable to re-enter and required to TA and regroup.

**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 90th day provide this office, prior to the 90th 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. **No Wolfcamp SWD well should be approved to drill within half mile of this well.**

4. **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.

5. **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.

6. **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.

7. 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 10th 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.

8. 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.**

9. 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 1st through June 15th 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



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
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