

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.*Lease Serial No.
NMNM10787

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
NADINE FEDERAL 019. API Well No.
30-025-26342-00-S110. Field and Pool or Exploratory Area
NADINE11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CHEVRON USA INCORPORATED

Contact: NICK GLANN

E-Mail: NGLANN@CHEVRON.COM

3a. Address

6301 DEAUVILLE BLVD
MIDLAND, TX 79706

3b. Phone No. (include area code)

Ph: 661-599-5062

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

Sec 23 T19S R38E NWNW 660FNL 550FWL

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

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.

16" 48# @ 401' w/ TOC @ surface; 7-5/8" 26.4# @ 4068' w/ TOC @ surface; 4-1/2" 11.6# @ 7945' w/ TOC @ 4080'

Chevron respectfully requests to abandon this well as follows:

1. Notify BLM 24 hrs. prior to starting work as per the COA
2. MIRU, NU BOPE, cut tubing @ 6385', pull tubing, leaving stuck tubing fish f/ 6385' t/ 7608'
3. Set CIBP @ 6375', fill well with fresh water, & pressure test casing t/ 500 psi for 10 minutes. If pressure test successful, spot 15 bbls 9.5 ppg MLF. If pressure test unsuccessful, spot MLF after first cement plug.
4. Spot 70 sx CL C cement f/ 6375' t/ 5422' (Perfs, Clearfork, Squeeze Perfs, Glorieta). If pressure test in Step 3 was unsuccessful, WOC, tag, & spot 15 bbls 9.5 ppg MLF. If pressure test

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Electronic Submission #435673 verified by the BLM Well Information System
For CHEVRON USA INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by DEBORAH MCKINNEY on 09/18/2018 (18DLM0625SE)

Name (Printed/Typed) NICK GLANN

Title P&A ENGINEER

Signature (Electronic Submission)

Date 09/18/2018

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)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

FOR RECORD ONLY
NMOC 09/27/18

Additional data for EC transaction #435673 that would not fit on the form

32. Additional remarks, continued

~~in Step 3 was successful, do not WOC & tag.~~ Tag required due to SQZ'd perfs.
5. Spot 55 sx CL C cement f/ 4850' t/ 4142' (Grayburg, San Andres)
6. Perf & squeeze 25 sx CL C cement f/ 4075' t/ 3968' (Shoe). WOC & tag. 4075' selected due to
TOC outside casing @ 4080'. Perf @ 4118 attempt to sqz. If no inj. Rate proceed @ 407.
7. Perf & squeeze 35 sx CL C cement f/ 2854' t/ 2704' (Yates). WOC & tag. Perf/SQZ
8. Perf & squeeze 380 sx CL C cement f/ 1672' t/ surface (Rustler, Shoe, Fresh Water)
9. 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" with a closed loop system used.

Nadine F 1 Current Wellbore Diagram

Well----- Nadine F1
 Field----- Nadine
 County----- Lea
 State----- New Mexico
 Chevro----- F17956
 API #----- 30-025-26342
 Status----- Shut In
 Battery-----

Surf. Loc----- 660' FNL & 550' FWL
 Lat & Long----- 32.6511200, -103.1251100
 Section----- 23
 Township & Range 19S & 38E
 Spud Date----- 12/27/1979

Surface Casing

Csg. Size: 16" ✓
 Wt: 48# ✓
 Set @: 401' ✓
 Sks. Cmt.: 800 ✓
 Hole Size 17-1/2" ✓
 Circ: Y/N: Yes ✓
 TOC @: Surface ✓

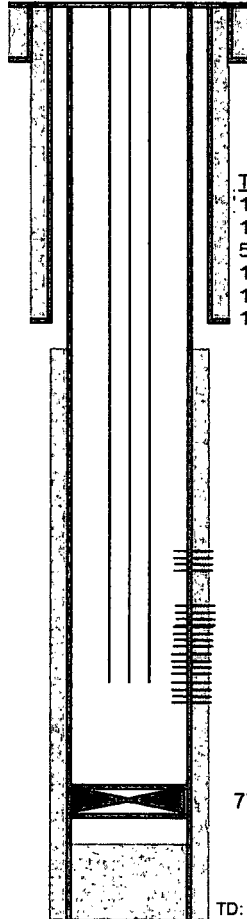
Intermediate Casing

Csg. Size: 7-5/8" ✓
 Wt: 26.4# ✓
 Set @: 4068' ✓
 Sks. Cmt.: 2300 ✓
 Hole Size 11" ✓
 Circ: Y/N: Yes ✓
 TOC @: Surface ✓

Production Casing:

Csg. Size: 4-1/2" ✓
 Wt: 11.6 lb/ft ✓
 Set @: 7945' ✓
 Sks. Cmt.: 590 ✓
 Hole Size 6-3/4" ✓
 Circ: Y/N: N ✓
 TOC @: 4080' ✓ *T/S*

Formation	TD, ft
	Top
Rustler (T. Salt)	1622' ✓
Yates	2804' ✓
San Andres	4242' ✓
Grayburg	4800' ✓
Glorieta	5522' ✓
Clearfork	5682' ✓
Tubb	6596' ✓
Drinkard	6746' ✓
Devonian	7910' ✓



Tubing String Quantity (Top-Bottom Depth) Desc

186 @ (12-5893) J-55 2.375 OD/ 4.60# T&C External Upset 2.000 ID 1.906
 1 @ (5893-5896) Tubing Hanger (2.375 &
 53 @ (5896-7589) J-55 2.375 OD/ 4.60# T&C External Upset 2.000 ID
 1.906 Drift-
 1 @ (7589-7590) Seat Nipple - Standard (2.375) Cup Type-
 1 @ (7590-7608) Mule Shoe (Tubing) 2.375 OD-

TOC: 4080'

SQZ perfs 5535'-6369' -

Perfs: 6389'-7669' -

7720'-7742' Cemented Bridge Plug

TD: 7945'
 PBTD: 7720'

7950
7879

7256-7668 A60
7657-7669, 7580-7650
7765-7888
7657-7669, 6750-7580

Nadine F 1 Proposed Wellbore Diagram

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 Field----- Nadine
 County----- Lea
 State----- New Mexico
 Chevro----- F17956
 API #----- 30-025-26342
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 Battery-----

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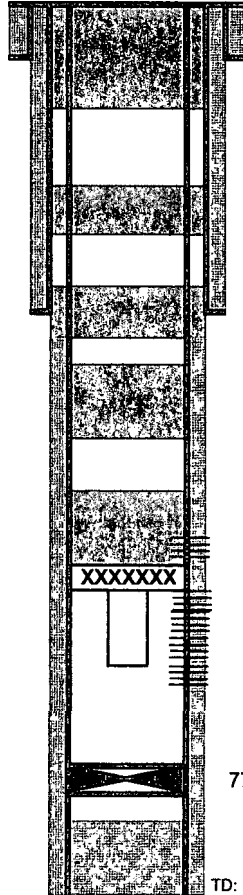
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 Hole Size 6-3/4"
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Perf & squeeze 380 sx CL C cmt f/ 1672' t/ surface (Rustler, Shoe, Fresh Water)

Perf & squeeze 35 sx CL C cmt f/ 2854' t/ 2704' (Yates). WOC & tag

Perf & squeeze 25 sx CL C cmt f/ 4075' t/ 3968' (Shoe). WOC & tag
 TOC: 4080'

Spot 55 sx CL C cmt f/ 4850' t/ 4142' (Grayburg, San Andres)

Spot 70 sx CL C cmt f/ 6375' t/ 5422' (Perfs, Clearfork, Sqz Perfs, Glorieta)

SQZ perfs 5535'-6369'

Set CIBP @ 6375'

Cut tubing @ 6385' & leaving stuck tubing f/ 6385' t/ 7608'

Perfs: 6389'-7669'

7720'-7742' Cemented Bridge Plug

TD: 7945'

PBTD: 7720'

**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 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. **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 10th 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.