

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
OCD Artesia

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.*

JUL 23 2019

DISTRICT OF ARTESIA, O.C.D.

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. WILMAR FEDERAL 4
2. Name of Operator CHEVRON USA INCORPORATED Contact: HOWIE LUCAS E-Mail: howie.lucas@chevron.com	9. API Well No. 30-015-25618-00-S1
3a. Address 6301 DEAUVILLE BLVD MIDLAND, TX 79706	10. Field and Pool or Exploratory Area N SHUGART
3b. Phone No. (include area code) Ph: 832-588-4044	11. County or Parish, State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T18S R31E NENW 990FNL 2310FWL	

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 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.

GC 7/24/19  
Accepted for record - NMOC

- Contact BLM 24 hours prior to MIRU.
- MIRU pulling unit.
- Verify pressures on all casing strings. If sustained casing pressure is noted on any strings, then Chevron plans to use either Zonite, cut and pull casing, or another means to eliminate pressure as agreed upon with the BLM.
- Kill well and N/U BOP.
- Pull tubing, standing back (will test tubing running in the hole). Tubing was previously cut at 7,756' after several attempts to free.
- Set CIBP at 7,756', pressure test casing to 1,000 psi for 10 minutes.
- Spot 85 sx CL "C" cmt f/ 7,756' t/ 6,988' (Perfs). Contact BLM to waive WOC and tag if casing passed a pressure test.
- Spot 25 sx CL "C" cmt f/ 5,430' t/ 5,177' (Bone Springs).

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

*Below ground level dog hole marker required.*

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

Electronic Submission #472155 verified by the BLM Well Information System  
For CHEVRON USA INCORPORATED, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/03/2019 (19PP2712SE)

Name (Printed/Typed) HOWIE LUCAS	Title ENGINEER
Signature (Electronic Submission)	Date 07/03/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>James A. [Signature]</i>	Title SPET	Date 7-9-19
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 CFO	

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 \*\***

**Additional data for EC transaction #472155 that would not fit on the form**

**32. Additional remarks, continued**

- 9. Spot 60 sx CL "C" cmt f/ 4,090' t/ 3,483' (San Andres, Grayburg).
- 10. Spot 25 sx CL "C" cmt f/ 3,106' t/ 2,854' (Queen).
- 11. Perforate Casing at ~~2,006'~~ and squeeze 90 sx CL "C" cmt f/ ~~1,638'~~ ~~t/ 2,006'~~, WOC & tag (Yates, B-salt).
- 12. Perforate Casing at 810' and squeeze 210 sx CL "C" cmt f/ Surface t/ 810'.
- 13. Cut wellhead off and weld dry hole marker as per BLM requirements.

2200 - 1900

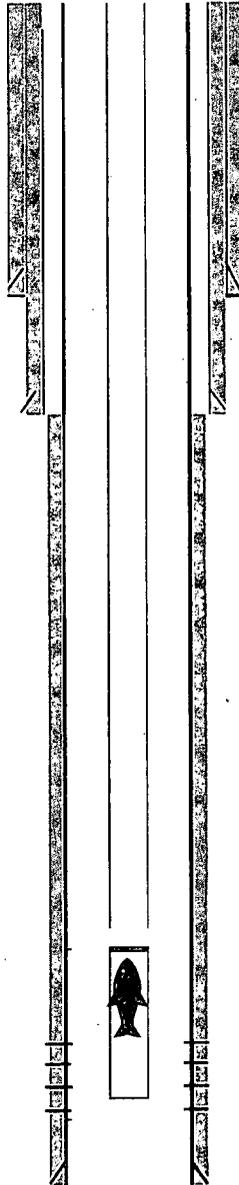
2200 Attempt to SQZ

per @ 1820, SQZ cmt to

1710. WOC  
Toq (B/salt)

Well: **Wilmar 4**  
 Field: **Shugart North**  
 Reservoir: **Bone Spring**  
 11' RKB

**Current**  
**Wellbore Diagram**



Surface Csg: 13.375" J 55 54.5# ✓  
 Set: 641' ✓ **642**  
 Hole Size: 17.5" ✓  
 Circ: Yes ✓  
 TOC: Surface ✓  
 TOC By: Circ ✓

Int Csg: 8.625" J55 24# ✓  
 Set: 2149' ✓ **2150**  
 Hole Size: 11" ✓  
 Circ: yes ✓  
 TOC: Surface ✓  
 TOC By: circ ✓

Prod Csg: 5.5" 17# ✓  
 Set: 8600' ✓  
 Hole Size: 7.875" ✓  
 Circ: No ✓  
 TOC: 2134' 1850 sxs ✓  
 TOC By: Temp Survey ✓

Formation Name	TD, ft
	Top
Top of Salt	760' ✓
Base of Salt	1770' ✓
Yates	1956' ✓
Queen	3056' ✓
Grayburg	3634' ✓
San Andres	4040' ✓
Bone Springs	5380' ✓
1st Bone Springs Sand	7140' ✓
2nd Bone Springs Sand	7674' ✓

PBTD: 8589' ✓  
 TD: 8600' ✓

Tubing stuck in hole after  
 RWW job. Rod string pulled

End of tubing 8566'  
RWW cut tubing at 7756'

This is where free point showed tubing unstuck  
 They laid down a couple of joints t/ ensure free  
 and R/D (see well history tab)

Bone Spring 8092-8564' **B380**  
**8470-8564 1/4/00**

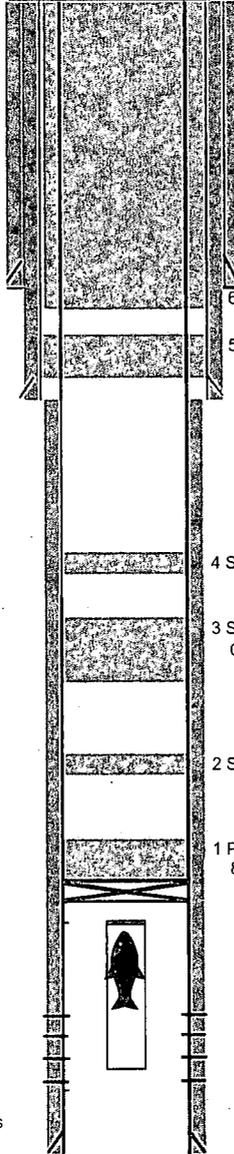
Well: **Wilmar 4**  
 Field: **Shugart North**  
 Reservoir: **Bone Spring**  
 11' RKB

**Proposed**  
**Wellbore Diagram**

**Surface Csg:** 13.375" J55  
**Set:** 641'  
**Hole Size:** 17.5"  
**Circ:** Yes  
**TOC:** Surface  
**TOC By:** Circ

**Int Csg:** 8.625" J55  
**Set:** 2149'  
**Hole Size:** 11"  
**Circ:** yes  
**TOC:** Surface  
**TOC By:** circ

Verify Cement to Surface



6 Perforate at 810' and sqz 210 sx CL "C" cmt f/ surface t/ 810' (T Salt, Shoe, Surf)  
 5 Perforate at 2006' and sqz 90 sx CL "C" cmt f/ 1638' t/ 2006', WOC & tag (Yates, B Salt)

4 Spot 25 sx CL "C" f/ 3106' t/ 2854' (Queen)

3 Spot 60 sx CL "C" cmt f/ 4090' t/ 3483' (San Andres Grayburg)

2 Spot 25 sx CL "C" cmt f/ 5430' t/ 5177' (Bone Springs)

1 Pull tubing, run CIBP and set above TOF at 7756', spot 85 sx CL "H" cmt f/ 7756' t/ 6988' (Perfs)

**Tubing stuck in hole after RWW job. Rod string pulled**

**End of tubing 8566'**  
**RWW cut tubing at 7756'**

This is where free point showed tubing unstuck They laid down a couple of joints t/ ensure free and R/D (see well history tab)  
 Bone Spring 8092-8564'

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	Top
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PBTD: 8589'  
 TD: 8600'

**Prod Csg:** 5.5" 17#  
**Set:** 8600'  
**Hole Size:** 7.875"  
**Circ:** No  
**TOC:** 2134' 1850 sxs  
**TOC By:** Temp Survey

**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