

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.  
NMNM16835  
6. If 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

3a. Address  
6301 DEAVILLE BLVD RM N3002  
MIDLAND TX 79706

3b. Phone No.  
432-687-7479

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC 14 T20S R35E MER NMPM 660 FNL & 1040 FEL

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

8. Well Name and No.  
Neuhaus 14 Fed #2

9. API Well No.  
30-025-31970

10. Field and Pool or Exploratory Area  
Lea

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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal

INT TO PA *fm*  
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 recompleate 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 recompleation 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" 54.5# @ 400' TOC surface, 8 5/8" 40# 3735' TOC surface, 5 1/2" 17# @ 11606' TOC 9000' via CBL, 4 1/2" 13.5# @ 9985' TOC 3714' via temp survey, CIBP @ 9950' w/ 35' cmt cap, CIBP @ 11300' w/ 35' cmt cap, Perfs 10112'-10147', 11362'-11444', Squeezed casing holes 5500'-5530', 6940'-6950'

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.
3. Tag CIBP cement cap @ 9915', circ salt gel, test csg, spot 20' sx CL "C" WOC & tag.
4. Spot 20' sx CL "C" cement from 5200'-5000' (Delaware).
5. Spot 20' sx CL "C" cement from 4100'-3900', WOC & tag (B. Salt, Yates).
6. Perf @ 3735' & sqz 60' sx CL "C" cement from 3735'-3535', WOC & tag (Shoe).
7. Perf @ 2050' and sqz 60' sx CL "C" cement from 2050'-1850', WOC & tag (T. Salt).
8. Perf @ 400' and sqz 120' sx CL "C" cement from 400'-surface (Shoe, FW, Surface).
8. 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.

*Ads Ads*  
*Perf 4 1/2" @ 5 1/2" @ 8145' sqz cmt to 7965. WOC Tag.*  
*Perf @ 5784 (4 1/2" @ 5 1/2") sqz cmt to 5784.*  
*3785-3645. Tag.*  
*Below ground level dry hole marker required*  
*\*All Perfs to penetrate both 5 1/2" csg and 4 1/2" liner. TOC behind 5 1/2" @ 9000', 4 1/2" @ 3714'.*

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

Title Engineer

Signature

Date 07/31/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

SAE 7

Date

9.22.17

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

RO

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)

**FOR RECORD ONLY**  
MW/OLD 10/03/2017

RECLAMATION PROCEDURE  
ATTACHED

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL



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.  
NMNM16835

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**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
CHESAPEAKE OPERATING INCContact: HOWIE LUCAS  
E-Mail: howie.lucas@chevron.com

3a. Address

OKLAHOMA CITY, OK 73154-0496

3b. Phone No. (include area code)  
Ph: 832-588-40448. Well Name and No.  
NEUMHAUS 14 FED 029. API Well No.  
30-025-31970-00-S110. Field and Pool or Exploratory Area  
FEATHERSTONE  
LEA

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

Sec 14 T20S R35E NWNE 660FNL 1650FEL  
32.578634 N Lat, 103.424725 W Lon11. 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/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.

Please see attachments.

Note. 5 1/2" CSG. TOC @ 9000' per CBL, liner set @ 9985, TOC @ 3714 (Temp Survey). All perfs to penetrate both 5 1/2" and 4 1/2" CSG/liner

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

Electronic Submission #383163 verified by the BLM Well Information System  
For CHESAPEAKE OPERATING INC, sent to the Hobbs  
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/20/2017 (17PP0629SE)

Name (Printed/Typed) HOWIE LUCAS

Title ENGINEER

Signature (Electronic Submission)

Date 07/31/2017

## 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)

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Well: Neuhaus 14 Fed 2  
Field: Featherstone

Reservoir: Bonespring  
Location:  
66C FNL & 1650 FEL  
Section 14  
Township 20S  
Range 35E  
County Lea, State NM

**Current**  
**Wellbore Diagram**

Well ID Info  
Chevro Q-2285  
AP: No 39-025-3167  
LSE: U47  
Spud Date: 6/2/93  
Comp. Date: 8/2/93

Surf. Csg: 13 3/8" H-40 54 56  
Set: 6' 400' w 300 sbs class C  
Hole Size: 17 1/2"  
Circ: Yes TOC: Surface  
TOC By: Circulated

Interm Csg: 8 5/8" 40' 1 55  
Set: 6' 3 735 w 1400 sbs class C  
Hole Size: 17"  
Circ: Yes TOC: Surface  
TOC By: Circulated

Prod. Csg: 5 1/2" 17' 1 80  
Set: 6' 1 605 w 375 sbs class H  
Hole Size: 17"  
Circ: No TOC: 9000  
TOC By: 18"

Liner 4: 13 5/8" 1 55  
Set: 6' 995 w 750 sbs  
Hole Size: 5 1/2"  
Circ: No TOC: 37 14  
TOC By: Temporal ex Survey

Formation	Depth
Anhydrite	2058
Yates	4098
Queen	4998
San Andres	5198
Delaware	5884
Bone Spring	8055
2nd Bone Spring Sand	9954
3rd Bone Spring Sand	11057
Wolfcamp	11298
Middle Wolfcamp	11576

Date:  
1/10/2000  
6/5/2001  
2/25/2002  
7/2/2005  
3/1/2006  
3/5/2017

Notes  
Sp'd csg leak @ 6540-6550 w 100 sbs C C + 34% FL 25' Tail w 100 sbs C C + 100%  
Sp'd csg leaks are looking in the set parts 75 sbs C C  
TH w 5-1/2" CIBP & set @ 1 300' Recomplete Bone Spring Sands to 11298'  
Hole in Casing @ 55' to 5530' Pump 200 sbs cement  
Set 4-1/2" Liner @ 995' w 50 sbs Poz to 155 sbs H-1032 Part Bone Spring Sands to 11057'  
Set CIBP @ 995' and dump balled 35' of cement

2058  
4098  
4998  
5198  
5884  
8055  
9954  
11057  
11298  
11576  
Del  
BS  
11296 WC

Cement Source: 5540 555'

Cement Source: 8540 1050'

CIBP @ 995' w 15' 1 1/2"  
Cement: 200

CIBP @ 137'  
25' 1/4" ex cement can

PSTD: 14/14  
TD: 16/16

Updated: 8/2/93

By: KX

(1) 11362 - 11444 Perfs WC  
(2) 10127 - 10127 Perfs 2nd BS

Depth	Top	Bottom	Perf	Start	End	Perf
11362	11362.0	11362.0	3.5			Bone Spring Original Hole
11362	11362.0	11362.0	4.5			Wolfcamp Original Hole
11362	11362.0	11362.0	4.5			Wolfcamp Original Hole
11362	11362.0	11362.0	4.5			Wolfcamp Original Hole
11362	11362.0	11362.0	4.5			Wolfcamp Original Hole
11362	11362.0	11362.0	4.5			Wolfcamp Original Hole

+35' int

(1)





**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



**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

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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.

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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.