

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 abandoned well. Use form 3160-3 (APD) for such proposals.

OGD
HOBBS
DEC 04 2019
RECEIVED

5. Lease Serial No.
NMNM89874

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
H.W. ANDREWS 02

9. API Well No.
30-025-04210-00-S1

10. Field and Pool or Exploratory Area
EUMONT

11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 APACHE CORPORATION Contact: DIANNE GILBREATH
 E-Mail: dianne.gilbreath@apachecorp.com

3a. Address
 303 VETERANS AIRPARK LANE SUITE 3000
 MIDLAND, TX 79705

3b. Phone No. (include area code)
 Ph: 432-818-1103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Sec 11 T20S R36E NENE 660FNL 660FEL

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 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.

PLEASE SEE THE ATTACHED PROPOSAL TO P&A THE WELL ACCORDING TO PROCEDURES.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Below ground level dry hole marker required

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

Electronic Submission #492366 verified by the BLM Well Information System
 For APACHE CORPORATION, sent to the Hobbs
 Committed to AFMSS for processing by DEBORAH MCKINNEY on 11/14/2019 (20DLM0076SE)

Name (Printed/Typed) DIANNE GILBREATH Title P&A ASSISTANT

Signature (Electronic Submission) Date 11/14/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By James E. Davis Title SAET Date 11-17-19

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 LFO

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 ****

XZ NM OGD 12-20-19

FOR RECORD ONLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

5. Lease Serial No.	LC-046164A
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA / Agreement, Name and/or No.	
8. Well Name and No.	H.W. Andrews #2
9. API Well No.	30-025-04210
10. Field and Pool, or Exploratory Area	Eunice Monument G/SA
11. County or Parish, State	LEA

1. Type of Well	
<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator Apache Corporation	
3a. Address 303 Veterans Airpark Ln, Midland, Tx 79705	3b. Phone No. (include area code) 432-556-9143
UL-A, 660' FNL & 660' FEL, Sec 11, T20S, R36E	

12. CHECK 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 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 the BLM / BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in 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.)

Apache Corporation proposes to P&A the above mentioned well by the attached procedure. A closed loop system will be used for all fluids from this wellbore and disposed of required by OCD Rule 19.15.17.

14 I hereby certify that the following is true and correct	
Name Gulnn Burks	Title Sr. Reclamation Foreman
Signature <i>Gulnn Burks</i>	Date 11/13/19

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



WELL BORE INFO.

LEASE NAME	H.W. Andrews
WELL #	2
API #	30-025-04210
COUNTY	LEA

0
390
779
1169
1558
1948
2337
2727
3116
3506
3895

12 1/2" 40 # @ 184'
w/ 150 sx CIRC to surf

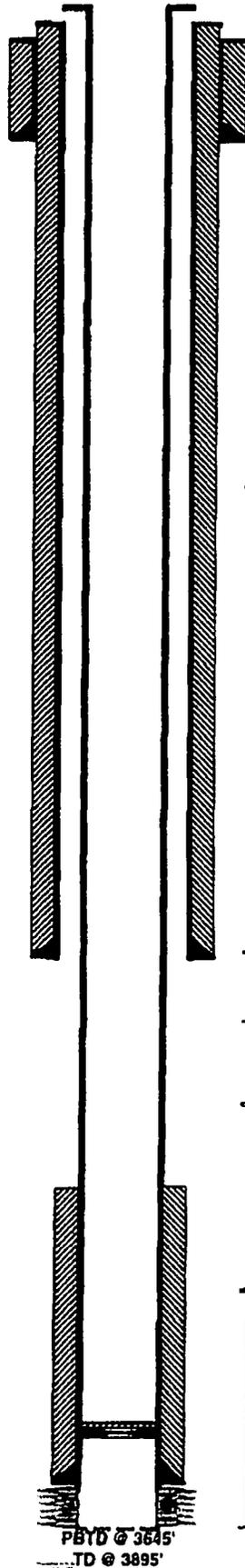
9 5/8" 36# @ 2335'
w/ 500 sx CIRC to surf

TOC @ 2975' Cal

CIBP @ 3680' w/ 35' cml

7" 24# @ 3760'
w/ 100 sx ✓

OH @ 3760'-3895' ✓



Top of Salt
@ 1125'

Base of Salt
@ 2301'

Top of
Yates @
2524'

Top of 7
Rvs @
2740'

Top of
Ousen,
Grayburg, &
Pennrose @
3222'

Open Hole perf @ 3763'-3801'

PBD @ 3645'
TD @ 3895'



WELL BORE INFO.

LEASE NAME
WELL #
API #
COUNTY

H.W. Andrews
2
30-025-04210
LEA

PROPOSED PROCEDURE

0
390
779
1169
1558
1948
2337
2727
3118
3506
3895

12 1/2" 40 # @ 184'
w/ 150 sx CIRC to surf

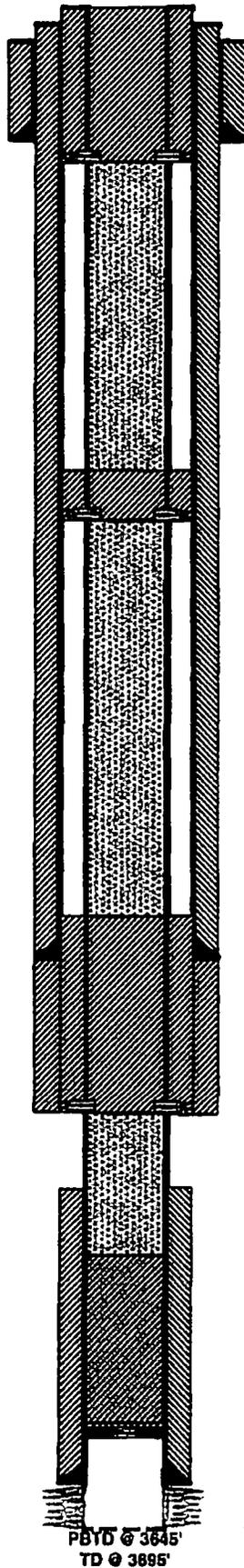
9 5/8" 36# @ 2335'
w/ 500 sx CIRC to surf

TOC @ 2975 Cal

CIBP @ 3680' w/ 35' cmt

7" 24# @ 3760'
w/ 100 sx

OH @ 3760'-3895'



PBYD @ 3645'
TD @ 3895'

Top of Salt
@ 1125'

Base of Salt
@ 2301'

Top of
Yates @
2524'

Top of 7
Rvrs @
2740'

Top of
Queen,
Grayburg, &
Penrose @
3222'

4. PUH & perf @ 234' & sqz 80 sx Class "C" cmt from 234' to surf. Attempt to CIRC 7' to surf. (Surf Shoe & Water Board)

3. PUH & perf @ 1175' & sqz 40 sx Class "C" cmt from 1175'-1075', WOC/TAG (Top of Salt)

2. PUH & perf @ 2750' & sqz 165 sx Class "C" cmt from 2750'-2251', WOC/TAG (Yates, Base of Salt, & Inter. Shoe)

1. MIRU P&A rig. RIH w/ tbg & CIRC w/MLF & spot 80 sx Class "C" cmt from 3685'-3172', TAG (Grayburg, Penrose & Queen)

Open Hole perms @ 3763' 3801'

**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. **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 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.

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 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