

Well Name: EMPIRE ABO L	Well Location: T18S / R27E / SEC 3 / SWSE /	County or Parish/State: EDDY / NM
Well Number: 111	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM025604	Unit or CA Name: EMPIRE ABO	Unit or CA Number: NMNM70945X
US Well Number: 3001521852	Well Status: Producing Oil Well	Operator: APACHE CORPORATION

Accepted for record –NMOCD gc12/8/2023

Notice of Intent

Sundry ID: 2762034

Type of Submission: Notice of Intent	Type of Action: Temporary Abandonment
Date Sundry Submitted: 11/16/2023	Time Sundry Submitted: 02:17
Date proposed operation will begin: 12/01/2023	

**Procedure Description:** well currently uneconomical to produce, retain wellbore for future evaluation/recompletion Disconnect, isolate, lock-out surface mechanical and electrical equipment POOH all equipment Set CIBP @ 5,649 ft. Dump bail 35 ft of cement on top of CIBP Tag Cement – notify NMOCD ready to conduct MIT wellbore diagrams attached

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

WBD\_S\_TA\_Empire\_ABO\_Unit\_L\_\_111\_30\_015\_21852\_20231116141154.pdf

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US Well Number: 3001521852	Well Status: Producing Oil Well	Operator: APACHE CORPORATION

Conditions of Approval

Specialist Review

TA\_COA\_20231206212218.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ALICIA FULTON

Signed on: NOV 16, 2023 02:16 PM

Name: APACHE CORPORATION

Title: Sr. Regulatory Analyst

Street Address: 303 Veterans Airpark Lane

City: Midland State: TX

Phone: (432) 818-1088

Email address: Alicia.fulton@apachecorp.com

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Approved

Disposition Date: 12/06/2023

Signature: Jonathon Shepard

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**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.***

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input 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 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 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 perfonned 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 detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Title	
Signature	Date	

**THE 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. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## 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

## **Additional Information**

### **Location of Well**

0. SHL: SWSE / 20 FSL / 2485 FEL / TWSP: 18S / RANGE: 27E / SECTION: 3 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

BHL: SWSE / 20 FSL / 2485 FEL / TWSP: 18S / SECTION: / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

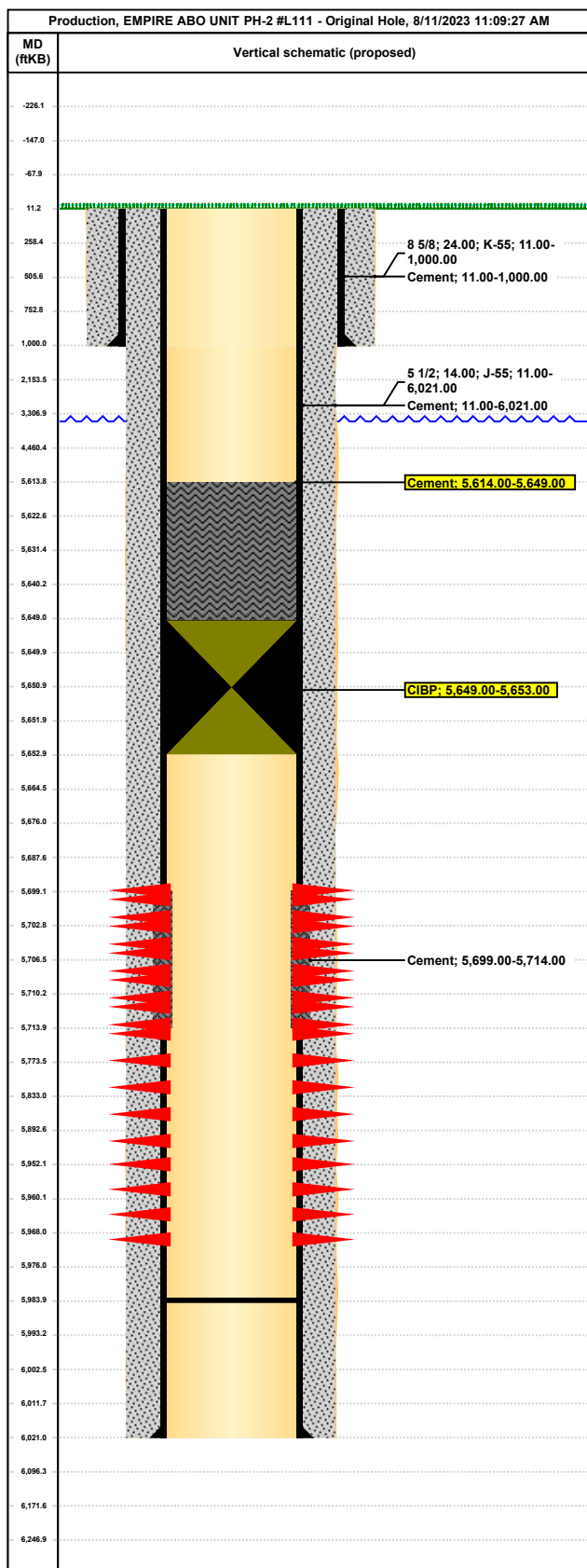



## WBD Proposed - TA

Well Name: EMPIRE ABO UNIT L #111

Reference Datum: KB

API/Surface Loc 3001521852	Surface Legal Location		Field Name Empire (BP)	State/Province New Mexico	Well Purpose Production
Spud Date 8/9/1976 00:00	Original KB Elevation (ft) 3,521.0	Ground Elevation (ft) 3,510.0		KB-Ground Distance (ft) 11.0	
PBTD (All) (ftKB) Original Hole - 5,984		Total Depth All (TVD) (ftKB)			



Wellbore Sections							
Section Des		Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date		
Surface		11	11.0	1,000.0			
Prod 1		7 7/8	1,000.0	6,021.0			
Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade		Set Depth (ftKB)		
Surface	8 5/8	24.00	K-55		1,000.00		
Prod 1	5 1/2	14.00	J-55		6,021.00		
Cement Stages							
Des	String		Top (ftKB)	Btm (ftKB)	Start Date		
Primary Cement	Surface, 1,000.00ftKB, 8 5/8		11.00	1,000.00			
Primary Cement	Prod 1, 6,021.00ftKB, 5 1/2		11.00	6,021.00			
Abandonment Plug	Prod 1, 6,021.00ftKB, 5 1/2		5,614.00	5,649.00			
Cement Squeeze	Prod 1, 6,021.00ftKB, 5 1/2		5,699.00	5,714.00			
Tubing Strings							
Tubing Description		Run Date		String Length (ft)		Set Depth (ftKB)	
Item Des	Jts	Make/Manufacturer	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Rod Strings							
Rod Description		Run Date		String Length (ft)		Set Depth (ftKB)	
Item Des	Jts	Make/Mfg.	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Other In Hole							
Des	Icon	OD (in)	Top (ftKB)	Btm (ftKB)	Run Date		
CIBP		5.01	5,649	5,653	8/11/2023		
Perforations							
Date	Type	Top (ftKB)	Btm (ftKB)	Prop?	Shot Dens (shots/ft)	Entered Shot Total	
8/22/1976	Squeeze Perf	5,699	5,714	No	2.0	30	
8/30/1994	Cased Hole	5,700	5,912	No	2.0	189	
8/22/1976	Cased Hole	5,952	5,970	No	2.0	36	
Plug Back Total Depths							
Date		Type		Depth (ftKB)		Depth (TVD) (ftKB)	
		Cement Plug		5,984			
Schematic Annotations							
Start Date	Depth (ftKB)	Annotation					





## WBD Current

Well Name: EMPIRE ABO UNIT L #111

Reference Datum: KB

API/Surface Loc 3001521852	Surface Legal Location		Field Name Empire (BP)	State/Province New Mexico	Well Purpose Production
Spud Date 8/9/1976 00:00	Original KB Elevation (ft) 3,521.0	Ground Elevation (ft) 3,510.0		KB-Ground Distance (ft) 11.0	
PBTd (All) (ftKB) Original Hole - 5,984		Total Depth All (TVD) (ftKB)			

Production, EMPIRE ABO UNIT PH-2 #L111 - Original Hole, 8/11/2023 11:03:15 AM						
Vertical schematic (actual)						
Wellbore Sections						
Section Description	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date		
Surface	11	11.0	1,000.0			
Section Description	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date		
Prod 1	7 7/8	1,000.0	6,021.0			
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)		
Surface	8 5/8	24.00	K-55	1,000.00		
Prod 1	5 1/2	9.50	J-55	6,021.00		
Cement Stages						
String	Top Depth (ftKB)	Bottom Depth (ftKB)				
Surface, 1,000.00ftKB, 8 5/8	11.00	1,000.00				
String	Top Depth (ftKB)	Bottom Depth (ftKB)				
Prod 1, 6,021.00ftKB, 5 1/2	11.00	6,021.00				
String	Top Depth (ftKB)	Bottom Depth (ftKB)				
Prod 1, 6,021.00ftKB, 5 1/2	5,699.00	5,714.00				
Tubing Strings						
Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)			
Tubing - Rod Pump		5,937.79	5,935.0			
Item Des	Jts	Make/Manufacturer	Model	OD (in) Wt (lb/ft) Grade Len (ft)		
Tubing	186		T&C Upset	2 3/8 4.70 J-55 5,565.65		
Anchor/catcher	1		Conventional	5 1/2 23.00 N-80 2.70		
Tubing	12		T&C Upset	2 3/8 4.70 J-55 363.14		
Seat Nipple	1			2 3/8 5.10 N-80 1.10		
Perforated Joint	1			2 3/8 4.70		
Bull Plug	1			2 3/8 0.50		
Rod Strings						
Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)			
		5,812.0	5,808.0			
Item Des	Jts	Make/Mfg.	Model	OD (in) Wt (lb/ft) Grade Len (ft)		
Polished Rod	1	Generic Manufacturer	Alloy Steel	1 1/4 AS 22.00		
Pony Rod	1	Tenaris	API Grade DC	7/8 2.22 DC 2.00		
Pony Rod	1	Tenaris	API Grade K	1 2.90 K 4.00		
Pony Rod	2	Tenaris	API Grade K	1 2.90 K 12.00		
Sucker Rod	92	Generic Manufacturer	API Grade D	7/8 2.22 D 2,300.00		
Sucker Rod	130	Generic Manufacturer	API Grade D	3/4 1.63 D 3,250.00		
Sucker Rod	8	Generic Manufacturer	API Grade D	7/8 2.22 D 200.00		
Guided Pony Rod	1	Generic Manufacturer	API Grade C	7/8 2.22 C 4.00		
Right Hand Release	1	Generic Manufacturer		1.8 2.00		
Rod Insert Pump	1	Generic Manufacturer		2 16.00		
Other In Hole						
Description	OD (in)	Top (ftKB)	Btm (ftKB)	Run Date		
Perforations						
Date	Type	Top (ftKB)	Btm (ftKB)	Prop?	Shot Dens (shots/ft)	Entered Shot Total
8/22/1976	Squeeze Perf	5,699	5,714	No	2.0	30
8/30/1994		5,700	5,912	No	2.0	189
8/22/1976	Cased Hole	5,952	5,970	No	2.0	36
Plug Back Total Depths						
Date	Type	Depth (ftKB)	Depth (TVD) (ftKB)			
	Cement Plug	5,984				
Schematic Annotations						
Start Date	Depth (ftKB)	Annotation				

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

### Conditions of Approval for Temporary Abandonment of Wells

**Definition:** A temporarily abandoned well is a completion that is not capable of production in paying quantities, but which may have future value. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

1. TA status will be effective for a period of up to one year from the date of sundry approval and can be renewed annually thereafter per IM NM-2016-017.
2. A bridge plug (CIBP) must be installed 50 to 100 feet above any open perforations/open hole/kick off point. The CIBP must be capped with either a minimum of 25 sacks of cement if placed with tubing or 35 feet of cement if placed with a bailer. The top of the cement must be verified by tagging.
3. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes. If the well does not pass the casing integrity test, then the operator shall, within 30 days, submit a procedure to either repair the casing or to plug and abandon the well.
4. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 575-361-2822; Lea County 575-393-3612.
5. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if it is not isolated by a packer.
6. A bradenhead test must be conducted. If the test indicates a problem, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
7. Submit a subsequent Sundry Notice (Form 3160-5) with the following information:
  - a. A well bore diagram with all perforations, CIBP's, and tops of cement on CIBP's.
  - b. A description of the temporary abandonment procedure.
  - c. A clear copy or the original of the pressure test chart.



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 292154

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 292154
	Action Type: [C-103] NOI Temporary Abandonment (C-103I)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	12/8/2023