

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	

Accepted for record –NMOCD gc9/8/2023 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: NENW / 660 FNL / 1980 FWL / TWSP: 18S / RANGE: 27E / SECTION: 1 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

BHL: NENW / 660 FNL / 1980 FWL / TWSP: 18S / SECTION: / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

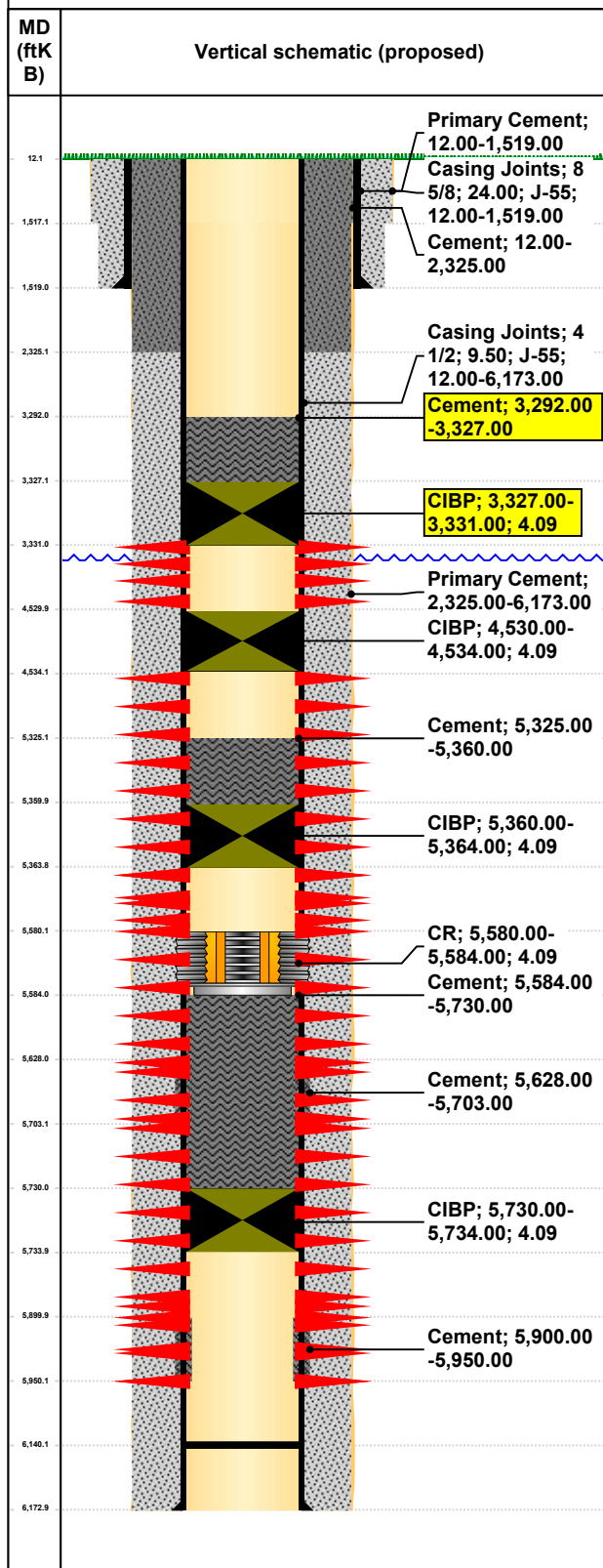


## WBD Proposed - TA

Well Name: AAO FEDERAL #013

Reference Datum: KB

API/Surface Loc 3001500710	Surface Legal Location SEC 01, T18S, R27E	Field Name Empire	State/Province New Mexico	Well Purpose Production
Spud Date 7/14/1959 00:00	Original KB Elevation (ft) 3,623.0	Ground Elevation (ft) 3,611.0	KB-Ground Distance (ft) 12.0	
PBTD (All) (ftKB) Original Hole - 5,610		Total Depth All (TVD) (ftKB)		

Production, AAO FEDERAL #013 - Original Hole, 8/3/2023  
1:31:26 PM

## Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
Surface	11	12.0	1,517.0	
Prod 1	7 7/8	1,517.0	6,173.0	

## Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8 5/8	24.00	J-55	1,519.00
Prod 1	4 1/2	9.50	J-55	6,173.00

## Cement Stages

Des	String	Top (ftKB)	Btm (ftKB)	Start Date
Primary Cement	Surface, 1,519.00ftKB, 8 5/8	12.00	1,519.00	
	Prod 1, 6,173.00ftKB, 4 1/2	12.00	2,325.00	
Primary Cement	Prod 1, 6,173.00ftKB, 4 1/2	2,325.00	6,173.00	
	Prod 1, 6,173.00ftKB, 4 1/2	3,292.00	3,327.00	
	Prod 1, 6,173.00ftKB, 4 1/2	5,325.00	5,360.00	
	Prod 1, 6,173.00ftKB, 4 1/2	5,584.00	5,730.00	
	Prod 1, 6,173.00ftKB, 4 1/2	5,628.00	5,703.00	
	Prod 1, 6,173.00ftKB, 4 1/2	5,900.00	5,950.00	

## 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		4.09	3,327	3,331	8/3/2023
CIBP		4.09	4,530	4,534	1/30/2009
CIBP		4.09	5,360	5,364	12/29/2008
CR		4.09	5,580	5,584	4/28/1999
CIBP		4.09	5,730	5,734	4/20/1998

## Perforations

Date	Type	Top (ftKB)	Btm (ftKB)	Prop?	Shot Dens (shots/ft)	Entered Shot Total
2/18/2009		3,377	3,678	No	1.0	25
1/30/2009		3,990	4,395	No	1.0	25
12/30/2008		4,581	5,944	No	1.0	20
4/28/1998		5,392	5,546	No	1.0	20
3/1/1976		5,630	5,635	No	1.0	5
3/1/1976		5,696	5,703	No	1.0	7
11/6/1979		5,872	5,892	No	1.0	20
9/8/1959		5,900	5,950	No	2.0	50

## Plug Back Total Depths

Date	Type	Depth (ftKB)	Depth (TVD) (ftKB)
4/28/1998	Bridge Plug/Packer	5,610	
4/28/1998	Bridge Plug/Packer	6,140	

## Schematic Annotations

Start Date	Depth (ftKB)	Annotation
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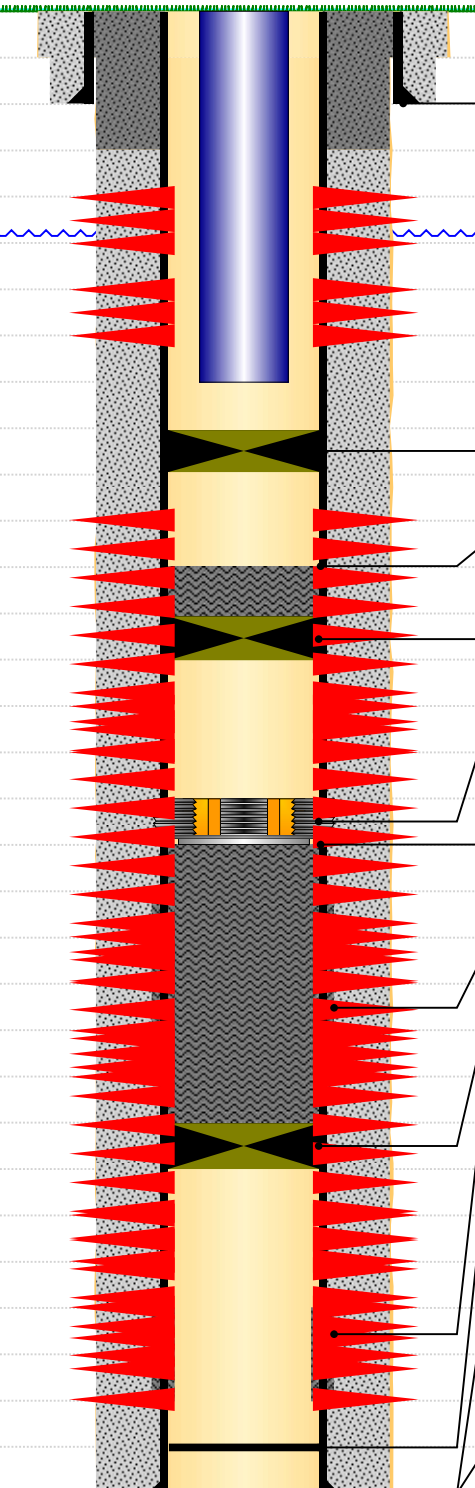






## WBD Current

Well Name: AAO FEDERAL #013

Reference Datum: KB

API/Surface Loc 3001500710	Surface Legal Location SEC 01, T18S, R27E	Field Name Empire	State/Province New Mexico	Well Purpose Production
Spud Date 7/14/1959 00:00	Original KB Elevation (ft) 3,623.0	Ground Elevation (ft) 3,611.0	KB-Ground Distance (ft) 12.0	
PBTD (All) (ftKB) Original Hole - 5,610		Total Depth All (TVD) (ftKB)		

Production, AAO FEDERAL #013 - Original Hole, 8/3/2023 1:29:30 PM										
Vertical schematic (actual)										
										
<div>Surface; 12.00- 1,519.00; 8 5/8; J-55</div> <div>CIBP; 4,530.00- 4,534.00; 4.09</div> <div>Cement; 5,325.00- 5,360.00 ftKB</div> <div>CIBP; 5,360.00- 5,364.00; 4.09</div> <div>CR; 5,580.00- 5,584.00; 4.09</div> <div>Cement; 5,584.00- 5,730.00 ftKB</div> <div>Cement; 5,628.00- 5,703.00 ftKB</div> <div>CIBP; 5,730.00- 5,734.00; 4.09</div> <div>Cement; 5,900.00- 5,950.00 ftKB</div> <div>Plug Back Total Depth; 6,140.00; 4/28/1998</div> <div>Prod 1; 12.00- 6,173.00; 4 1/2; J-55</div> <div>TD - AAO FEDERAL #013 - Original Hole; 6,173.00</div>										
Wellbore Sections										
Section Description Surface	Size (in) 11	Act Top (ftKB) 12.0	Act Btm (ftKB) 1,517.0	Start Date						
Section Description Prod 1	Size (in) 7 7/8	Act Top (ftKB) 1,517.0	Act Btm (ftKB) 6,173.0	Start Date						
Casing Strings										
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)						
Surface	8 5/8	24.00	J-55	1,519.00						
Prod 1	4 1/2	9.50	J-55	6,173.00						
Cement Stages										
String Surface, 1,519.00ftKB, 8 5/8	Top Depth (ftKB) 12.00	Bottom Depth (ftKB) 1,519.00								
String Prod 1, 6,173.00ftKB, 4 1/2	Top Depth (ftKB) 2,325.00	Bottom Depth (ftKB) 6,173.00								
String Prod 1, 6,173.00ftKB, 4 1/2	Top Depth (ftKB) 12.00	Bottom Depth (ftKB) 2,325.00								
String Prod 1, 6,173.00ftKB, 4 1/2	Top Depth (ftKB) 5,900.00	Bottom Depth (ftKB) 5,950.00								
String Prod 1, 6,173.00ftKB, 4 1/2	Top Depth (ftKB) 5,628.00	Bottom Depth (ftKB) 5,703.00								
String Prod 1, 6,173.00ftKB, 4 1/2	Top Depth (ftKB) 5,584.00	Bottom Depth (ftKB) 5,730.00								
String Prod 1, 6,173.00ftKB, 4 1/2	Top Depth (ftKB) 5,325.00	Bottom Depth (ftKB) 5,360.00								
Tubing Strings										
Tubing Description Tubing - Rod Pump	Run Date	String Length (ft) 4,441.00	Set Depth (ftKB) 4,453.0							
Item Des	Jts	Make/Manufacturer	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)			
Tubing	137		T&C Upset	2 3/8	4.70	J-55	4,441.00			
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										
Description CIBP		OD (in) 4.09	Top (ftKB) 4,530	Btm (ftKB) 4,534	Run Date 1/30/2009					
Description CIBP		OD (in) 4.09	Top (ftKB) 5,360	Btm (ftKB) 5,364	Run Date 12/29/2008					
Description CR		OD (in) 4.09	Top (ftKB) 5,580	Btm (ftKB) 5,584	Run Date 4/28/1999					
Description CIBP		OD (in) 4.09	Top (ftKB) 5,730	Btm (ftKB) 5,734	Run Date 4/20/1998					
Perforations										
Date	Type	Top (ftKB)	Btm (ftKB)	Prop?	Shot Dens (shots/ft)	Entered Shot Total				
2/18/2009		3,377	3,678	No	1.0	25				
1/30/2009		3,990	4,395	No	1.0	25				
12/30/2008		4,581	5,944	No	1.0	20				
4/28/1998		5,392	5,546	No	1.0	20				
3/1/1976		5,630	5,635	No	1.0	5				
3/1/1976		5,696	5,703	No	1.0	7				
11/6/1979		5,872	5,892	No	1.0	20				
9/8/1959		5,900	5,950	No	2.0	50				
Plug Back Total Depths										
Date 4/28/1998	Type Bridge Plug/Packer	Depth (ftKB) 5,610	Depth (TVD) (ftKB)							
Date 4/28/1998	Type Bridge Plug/Packer	Depth (ftKB) 6,140	Depth (TVD) (ftKB)							
Schematic Annotations										
Start Date	Depth (ftKB)	Annotation								
Stimulation Jobs										
<typ1> on <dtmstart>										
Min Top...	Max Bt...	R Treat...	P Treat...	P Treat...	Vol Clea...	Vol Clea...	Vol Slurr...	Vol Slurr...	Mass Pr...	Mass Pr...

**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 260133

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 260133
	Action Type: [C-103] NOI Temporary Abandonment (C-103I)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	9/8/2023