

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**NMOCD**  
**Artesia**

FORM APPROVED  
OMB NO. 1004-0135  
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.  
NMLC065478B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NMNM70945X

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
EMPIRE ABO UNIT 007K

9. API Well No.  
30-015-00776

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
APACHE CORP

Contact: ISABEL HUDSON  
E-Mail: Isabel.Hudson@apachecorp.com

3a. Address  
303 VETERANS AIRPARK LANE SUITE 1000  
MIDLAND, TX 79705

3b. Phone No. (include area code)  
Ph: 432.818.1142

10. Field and Pool, or Exploratory  
EMPIRE; ABO (22040)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 4 T18S R27E 1582FSL 1645FEL

11. County or Parish, and State  
EDDY COUNTY, NM

**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 type="checkbox"/> Plug and Abandon	<input checked="" 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 shall 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 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.)

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Apache would like to perform the following work. Please see attachments.

Producing Interval: 5,070-353?  
Production Casing: 4-1/2? 9.5# @ 5,627?

**Accepted for record**

**DEC 12 2016**

**NMOCD RE**  
12/15/16

**RECEIVED**

Objective: TA wellbore. Pending evaluation of upper ABO for re-completion potential in the near future

- Procedure:
1. POOH with rods and pump
  2. Release TAC and POOH scanning tbg and mark junk pipe
  3. MIRU wireline

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

**Electronic Submission #358091 verified by the BLM Well Information System  
For APACHE CORP, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 11/16/2016 ()**

Name (Printed/Typed) ISABEL HUDSON

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/15/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_

Title

**DEC 7 2016**

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #358091 that would not fit on the form**

**32. Additional remarks, continued**

- 4. RIH with CIBP and set @ 5,050? w/ 35 ? cmt
- 5. Circulate fluid in the wellbore
- 6. Pressure test casing to 500 psi and record the chart
- 7. Submit for approval

*see logs*

November 15, 2016

Empire ABO Unit # K-7

API # 30-015-00776

Legal Name: Empire ABO Unit #007K

Eddy County, NM

Producing Interval: **5,070-353'**

Production Casing: 4-1/2" 9.5# @ 5,627'

**Objective:** TA wellbore. Pending evaluation of upper ABO for re-completion potential in the near future

**Procedure:**

1. POOH with rods and pump
2. Release TAC and POOH scanning tbg and mark junk pipe
3. MIRU wireline
4. RIH with CIBP and set @ 5,050' w/ 35' cmt
5. Circulate fluid in the wellbore
6. Pressure test casing to 500 psi and record the chart
7. Submit for approval

GL=3586'  
 KB=3597'  
 Spud: 10/19/59

# Apache Corporation – Empire Abo Unit #K-7

## Wellbore Diagram – Proposed

Date : 1/5/2011  
 R. Taylor

API: 30-015-00776

### Surface Location



1582' FSL & 1645' FEL, Unit J  
 Sec 4, T18S, R27E, Eddy County, NM

**Surface Casing**  
 8-5/8" 24# J-55 @ 1476' w/ XXX sx to surface

### TUBING DETAIL

Qty	Description	Length	Depth
169	2-3/8" J-55 8rd	5311'	5359'

TAC @ 5039'  
 SN @ 5359'

Hole Size = 11"

Hole Size = 7-7/8"

CTI to gas inj in 74'

TA in 06'

RTP in 08'

12/12/11: Perf Abo @ 5070'-5072'; 5120'-5122'; 5170'-5172' w/ 4 JSPF, 24 holes  
 Spot 200 gals 15% NEFE  
 Frac'd w/ 131,103 gals 16# w/ 38,116 lbs 100 mesh & 44,552 gals 16# X-linked gell w/ 57,754# 20/40 SB sand

12/2/11: Perf Abo @ 5250'-5252'; 5300'-5302'; 5350'-5352' w/ 4 JSPF, 24 holes  
 Acidized w/ 1100 gals 15% NEFE  
 Frac'd w/ 136,206 gals 16# w/ 41,124 lbs 100 mesh & 40,950 gals 16# X-linked gell w/ 70,058# 20/40 SB sand

12/2/11: CIBP set @ 5,410' w/ 2 sx Class C cmt

4/96: Perf Abo @ 5440'-5490' w/ 2 JSPF  
 2000 gal 50/50 acid/condensate

1/74: Perf Abo @ 5440'-5490" w/ 1 JSPF  
 6000 gal 15% HCL-LSTNE

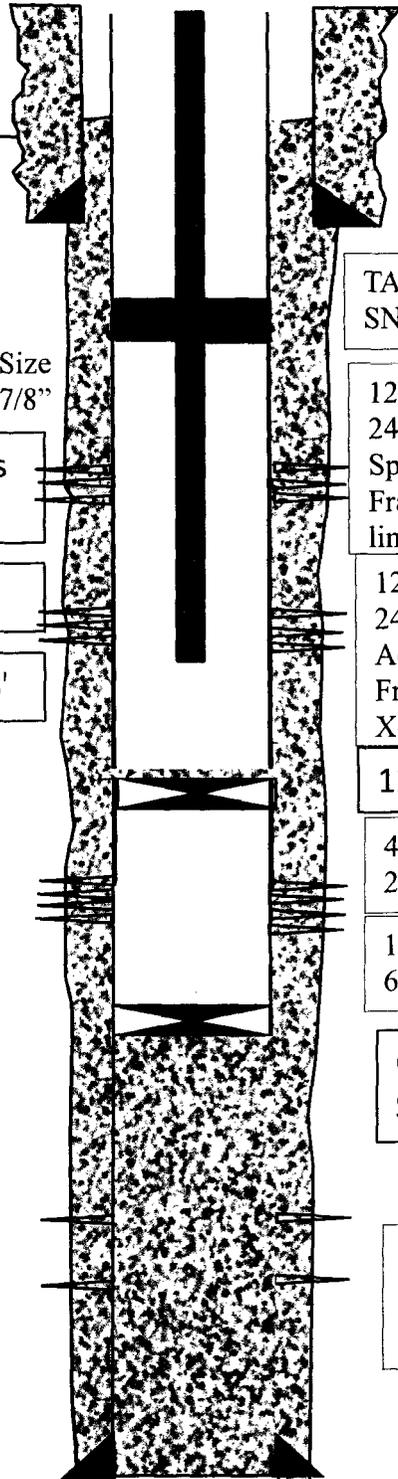
CICR @ 5,500' in 1/74'  
 Sqz w/ 225 sxs

11/59: Perf Abo @ 5510'-5554' & 5568'-5578' w/ 2 JSPF  
 5000 gal 15% acid  
 Frac'd w/ 43k gal gel and 40k# snd in 7/67'

### Production Casing

4-1/2" 9.5# J-55 @ 5627' w/ 850 sxs  
 TOC @ ???'

PBTD = 5372'  
 TD = 5627'



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

**Approved for a period of 1 year ending 12/07/2017 subject to conditions of approval.**

**Temporary Abandonment of Wells on Federal Lands  
Conditions of Approval**

A temporarily abandoned well is defined as a completion that is not capable of production in paying quantities but which may have value as a service well. 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.

Temporary Abandonment (TA) status approval requires a successful mechanical or casing integrity test as follows:

1. A Notice of Intent (NOI) Sundry Notice (Form 3160-5) requesting approval to run a mechanical integrity test (MIT) or casing integrity test (CIT).
2. A description of the temporary abandonment procedure.
  - a. A bridge plug or packer must be installed as close to 50 feet above any open perforations or open hole as possible. If a cement plug is used, the top of the cement must be verified by tagging. CIBP must be capped with minimum 25 sacks cement, placed with tubing, or 35 feet of cement if placed with bailer.
  - b. 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. Any leak-off will be evaluated.
  - c. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
  - d. A bradenhead test must be conducted. If the test indicates a problem exists, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
  - e. 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.
3. **Provides justification why the well should be temporarily abandoned rather than permanently plugged and abandoned and an estimated date that the well will be returned to beneficial use or plugged and abandoned. 43 CFR 3162.3-4 (a) The operator shall promptly plug and abandon...wells in which oil or gas is not encountered in paying quantities...**

Wells that successfully pass the casing integrity test **may** be approved for Temporary Abandonment (TA) status provided that the operator:

1. **Submits a subsequent Sundry Notice** (Form 3160-5) requesting TA approval **with wellbore diagram** with all perforations and CIBP's and tops of cement on CIBP's.
2. Describes the temporary abandonment procedure.
3. Attaches a clear copy or the original of the pressure test chart.
4. Give justification to allow well to be place in TA status and plan for future use of well with time frame that well will be place back on line or plans to P&A well will be submitted.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following:

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.

**Empire Abo Unit 007K**

1. Well is approved to be TA/SI for a period of 1 year or until 12/07/2017
2. Must submit NOI to recomplete or NOI to P&A. Must be submitted by 12/07/2017
3. COA's met at this time.