

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**HOBBS OGD**  
**DEC 09 2016**

**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.*

**OCD-ARTESIA** APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

5. Lease Serial No.  
NMNM0557371 ✓

6. If Indian, Allottee or Tribe Name

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

7. If Unit or CA/Agreement, Name and/or No.  
8910138010 NM70945x

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. EMPIRE ABO I 20 ✓
2. Name of Operator APACHE CORPORATION ✓ Contact: ISABEL HUDSON E-Mail: Isabel.Hudson@apachecorp.com		9. API Well No. 30-015-01215-00-S1 ✓
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1142	10. Field and Pool, or Exploratory EMPIRE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T18S R27E NENE 667FNL 666FEL ✓		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.)

Apache would like to perform the following work:

Objective: Isolate open perms and TA wellbore

Procedure:

1. POOH with rods and tbg
2. Set CIBP @ 5,740? and dump bail 35? of cmt
3. Fill casing with fluid and pressure test to 500 psi.
4. Record the test on a chart and submit for approval

PLEASE SEE ATTACHMENTS.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

**Electronic Submission #354743 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 10/17/2016 (17PP0044SE)**

Name (Printed/Typed) ISABEL HUDSON	Title REG. ANALYST
Signature (Electronic Submission)	Date 10/13/2016

**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 _____		

**APPROVED**

NOV 29 2016  
*[Signature]*  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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.

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

*MSB/ocd  
12/12/2016*



October 12, 2016

Empire ABO Unit # I-20

API # 30-015-01215

Eddy County, NM

Surface Casing: 8-5/8" 24# Set @ 1,483'

Production Casing: 4-1/2" 9.5# Set @ 6,114'

Producing Interval: 5,783-6,064'

**Objective:** Isolate open perfs and TA wellbore

**Procedure:**

1. POOH with rods and tbg
2. Set CIBP @ 5,740' and dump bail 35' of cmt
3. Fill casing with fluid and pressure test to 500 psi.
4. Record the test on a chart and submit for approval

**Apache Corp.**  
**Actual**

<b>LEASE/UNIT:</b>	Empire Abo Unit	<b>DATE:</b>	Oct. 12, 2016
<b>WELL:</b>	I-20	<b>BY:</b>	HJG
<b>API NUMBER:</b>	30-015-01215	<b>FIELD:</b>	Empire (BP)
<b>LEGAL DESCRIPTION:</b>	Sec 1, T18S, R27E	<b>COUNTY:</b>	Eddy
<b>WI/OIL NRI/GAS NRI:</b>	37.83%/32.8%/32.8%	<b>STATE:</b>	New Mexico

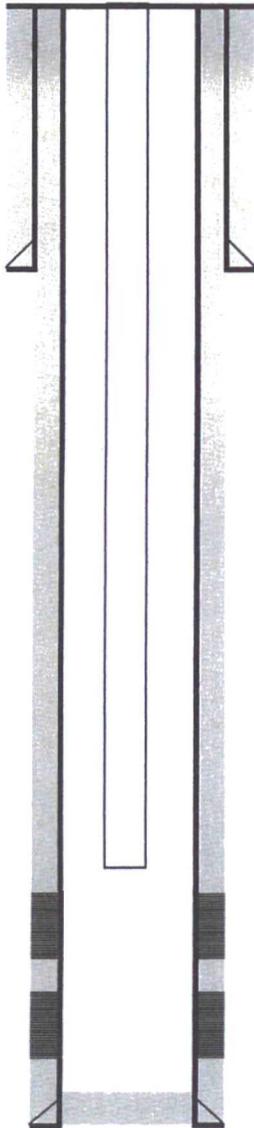
Spud: 10/7/59

KB = 3673'

Rig Release: 11/2/59

GL = 3663'

11"



8-5/8" 24# J-55 Set @ 1481'  
CMT CIRC/SURF

4-1/2" 9.5# J-55 Set @ 6114'  
CMT W/ 850 SXS (TOC @ 1425')  
Braden head SQZ to surface

7-7/8"

2 3/8 J-55 TBG  
SN @ 6021'

**ABO (3/02)**  
Perf: 5783-88', 5844-50', 66-69', 5923-34', 65-98', 6002-13', 16-20'  
Az w/ 2,500 gals 15% HCl

**ABO (11/59)**  
Perf: 6026-64' (2 SPF)  
Az w/ 4K gals 15%

Tag fill @ 6074'

**Formation Tops:**

Queen -  
Grayburg -  
San Andres - 1932  
Glorieta - 3316  
Abo - 5760

TD = 6114'  
PBSD = 6081'

**Conditions of Approval**  
**Apache Corporation**  
**Empire Abo Unit 1 - 20, API 3001501215**  
**T18S-R27E, Sec 01, 667FNL & 666FEL**  
**November 29, 2016**

Operator is to have the BLM approved NOI procedure with applicable conditions of approval on location for this workover operation.

**No record of the braden head squeeze claimed by the Apache wellbore diagram of 10/12/2016 has been found. Submit a dated record of that workover as a BLM sundry.**

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.

Temporary Abandonment (TA) BLM Status Approval Requires:

1. A Notice of Intent (NOI) Sundry (Form 3160-5) requesting approval to prepare the wellbore for a mechanical integrity test (MIT) or casing integrity test (CIT).
2. A subsequent sundry report that describes compliance with:
  - a. All downhole production artificial lift equipment (tubing, rods, etc.) removed from the casing. A wellbore with a packer set just above producing or injection perforations with annulus integrity above the packer, and loaded with corrosion inhibiting fluid may be considered for TA status by passing a Mechanical Integrity Test.
  - b. The wellbore below all potential production is to be plugged back per permanent plugging procedures. 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. A CIBP set above the top perforations to be permanently abandoned is to be capped with a minimum of 25 sacks cement and placed with tubing, or if the perforations are to be reopened 35 feet of cement may be bailed on the CIBP.
  - c. The wellbore filled with corrosion inhibited fluid.
  - d. At least 24 hours prior to conducting the Mechanical Integrity Test, contact the appropriate BLM office. Eddy County call Carlsbad 575-361-2822.
  - e. Documentation of a 500psig minimum BLM witnessed Mechanical Integrity Test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 35 to 75 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Verify all annular casing vents are plumbed to surface and those valves open to the surface during this pressure test. Pressure leakoff will be evaluated site specifically and affect approvals.

3. Submit a Subsequent Sundry Notice (Form 3160-5) requesting TA approval with a description of the preparation for temporary abandonment approval, a clear copy or the original Mechanical Integrity Test chart, a current wellbore diagram, and **justification for not plugging**. Justification is listing the proposed beneficial use and reasonable expected dated events to initiate a conversion to beneficial use. Often overlooked is a backlog of wells that have no potential beneficial use (should have been plugged and abandoned) that create a status surplus.
4. This BLM TA NOI Approval is for WELLBORE PREPARATION ONLY. BLM IS NOT APPROVING TA Status FOR THIS WELL. If warranted, TA approval status for a specified time limit will be noted with BLM acceptance of the subsequent report of preparations and justification.
5. Workover approval is good for 90 days (completion to be within 90 days of approval).
6. Should Mechanical Integrity Test not prove wellbore integrity or not be conducted submit a procedure to repair or plug and abandon the well for BLM approval within 30 days of the MIT.