

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**NMOCD**  
**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. NMLC065478B
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		6. If Indian, Allottee or Tribe Name
2. Name of Operator APACHE CORPORATION		7. If Unit or CA/Agreement, Name and/or No.
Contact: ALICIA FULTON E-Mail: Alicia.fulton@apachecorp.com		8. Well Name and No. EMPIRE ABO UNIT B 048A
3a. Address 303 VETERANS AIRPARK LANE MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1088	9. API Well No. 30-015-03195
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T17S R29E 2310FNL 990FEL		10. Field and Pool or Exploratory Area EMPIRE ABO
		11. County or Parish, State EDDY COUNTY, NM

## 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 checked="" 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 checked="" 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 recomple 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 recomple 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.

THE FOLLOWING WORK WAS PERFORMED: replace injection string and fix casing leak;

Accepted for record  
NMOCD RE 4/9/18NMOCD issued violation due to failed MIT test 1/12/2018  
received approval from Phillip Goetze @ NMOCD to set packer at 6020BUREAU OF LAND MANAGEMENT  
ARTESIA DISTRICT

APR 03 2018

2/2/2018 - release pkr and lay down tubing

2/5/2018 - RIH w/ gauge ring tag @6230 logged from 6100 to surface lots of pitted casing

2/6/2018 hunting for casing leak

RECEIVED

NOIs were never approved

14. I hereby certify that the foregoing is true and correct. Electronic Submission #407116 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 03/12/2018 ( )	
Name (Printed/Typed) ALICIA FULTON	Title, SR REGULATOR ANALYST
Signature (Electronic Submission)	Date 03/08/2018
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
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)

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

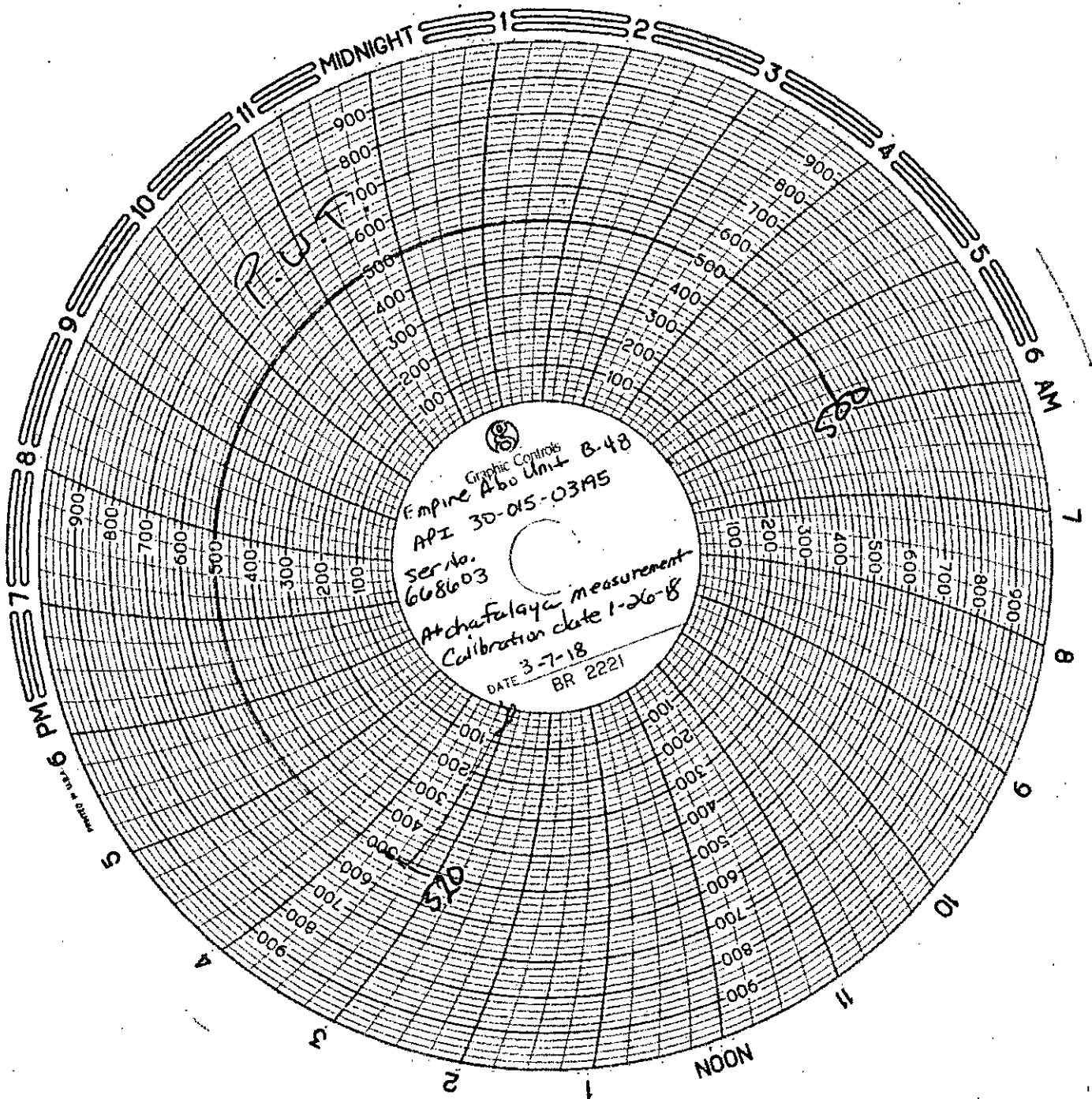
**Additional data for EC transaction #407116 that would not fit on the form**

**32. Additional remarks, continued**

2/7/2018 casing leak is from 15' to surface  
2/15/2018 move in trackhoe dig out casing to 25' cut 8 5/8 and 5 1/2 casing at 20'  
2/16/2018 weld new 8 5/8 and 5 1/2 casing to surface  
2/26/2018 pump 4000 gal of 20% acid prep to RIH w/ new packer and tubing  
2/27/2018 set packer at 6021 w/ 185 joints of tubing  
2/28/2018 install injection line test to 500 psi for 30 min  
3/7/2018 perform MIT test -chart attached

MIT chart attached  
NOI from NMOCD attached  
current WBD attached

approval for packer exception received 2/28/2018 from Phillip Goetz at NMOCD



GL=3633'  
KB=3643'  
Spud: 12/8/61

## Apache Corporation – Empire Abo Unit #B-48

### Wellbore Diagram - Current Status

Date : 8/3/2011

API: 30-015-03192

#### Surface Location

R. Taylor



2310' FNL & 990' FEL, Unit  
Sec 30, T17S, R29E, Eddy County, NM

Hole Size  
=11"

Hole Size  
=7-7/8"

7/82 CTI

#### Surface Casing

8-5/8" @ 753' w/ 225 sx to surface

7/82: Perf csg 1608'-1610' w/ 2 JSPF  
SQ'd 400 sx Howco Lite and 200 sx Cl C cmt  
Circ to surface

3/18: Baker lockset pkr @ 6021'

5/68: Perf Upper Abo @ 6183'-6188' & 6206'-6213' w/ 2 JSPF  
Acidized w/ 1300 gals 28% acid  
4/81: Acidize w/ 7500 gals 15% HCl  
7/82: Acidize w/ 7500 gals 15% LSTNE-FE

7/82: Perf Abo @ 6226'-6234' w/ 2 JSPF  
Acidize w/ 7500 gals 15% LSTNE-FE

12/61: Perf Abo 6265' - 6277'  
Acidize 6265'-6277' w/ 1000 gals 20% HCl

#### Production Casing

5-1/2" 15.5# ST&C @ 6306' w/566 sxs

PBTD = 6295'  
TD = 6306'