

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.*Serial No.
NMNM0557371

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
8910138010

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
EMPIRE ABO J 182. Name of Operator
APACHE CORPORATIONContact: ALICIA FULTON
E-Mail: ALICIA.FULTON@APACHECORP.COM9. API Well No.
30-015-00706-00-S13a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432.818.108810. Field and Pool or Exploratory Area
EMPIRE-ABO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T18S R27E SENW 2310FNL 1980FWL

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 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"/> 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 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 recompleat 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 recompleat 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.

APACHE IS REQUESTING APPROVAL TO TA THE WELL BORE

GC 6-28-18
Accepted for record - NMOC

1. POOH w/ rods and pump while laying down, TOO H w/ tubing and BHA
2. MIRU wireline, RIH w/ gauge ring, POOH, RIH w/ CIBP, set @ 5540? (top of perms 5590?), POOH
3. RIH w/ dump bailer and spot 4 sxs (35?) of cement on top of CIBP, POOH, RDMO
4. TIH w/ tubing, load hole, pressure to test to 500 psi, hold 30 mins
5. Circulate hole w/ packer fluid and biocide, TOO H w/ tubing while scanning
6. TA WELL

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 27 2018

PROCEDURES, CURRENT AND PROPOSED WBD ARE ATTACHED

RECEIVED

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

Electronic Submission #423917 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 06/15/2018 (18PP1973SE)

Name (Printed/Typed) ALICIA FULTON

Title SR. REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/13/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

/s/ Jonathon Shepard

Approved By

Title Petroleum Engineer

Date JUN 21 2018

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.

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****



Well name: Empire Abo Unit #018A

API Number: 30-015-00706

County, State: Eddy, NM

Legals: SEC-01 TWP-18S RGE-27E

Depths: 6087' MD 6051' PBTB

Producing Interval 5626-6018'

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625"	24.0#	0.0636	0'	1453'
Production	4.500"	9.5#	0.0238	0'	6087'

WELL HISTORY

The well is currently shut in. Last production date was on 4/2017 with production yielding 0 BO, 258 BW, 0 MCF.

OBJECTIVE:

TA well. This well is currently producing from the Abo formation. It is recommended that this well be TA'd for evaluation of uphole potential requiring geological and engineering review. Without the proper geological analysis, we stand a chance to lose valuable resources by prematurely plugging the well at this time.

PROCEDURE:

1. POOH w/ rods and pump while laying down, TOOH w/ tubing and BHA
2. MIRU wireline, RIH w/ gauge ring, POOH, RIH w/ CIBP, set @ 5540' (top of perms 5590'), POOH
3. RIH w/ dump bailer and spot 4 sxs (35') of cement on top of CIBP, POOH, RDMO
4. TIH w/ tubing, load hole, pressure to test to 500 psi, hold 30 mins
5. Circulate hole w/ packer fluid and biocide, TOOH w/ tubing while scanning
6. TA well

Apache Corporation

Work Objective

Proposed

Region Office
District /Field Office
AFE Type

Permian / Midland
NW District

Start Date	TBD	End Date	TBD
Lease	Empire Abo Unit	KB/GL	3612/3600'
Well Name	Empire Abo Unit	Well No.	#018A
Field	Empire (BP)	TD @	6087'
County	Eddy	PBTD @	6051'
State	New Mexico	ETD @	
AFE #	TBD	API #	30-015-00706
Gross AFE	TBD	Spud Date	4/24/1959
Apache WI	37.833400%	Comp. Date	5/31/1959

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	J-55	24#	1453'	750 sx	surf
Inter Csg						
Prod Csg	4 1/2"	J-55	9.5#	6087'	850 sx	
Casing Liner						

11" hole

Inhibited Fluid

Set CIBP @ 5540' w/35' cmt set via wireline

5590'
Abo
6030'

7 7/8" hole

TD: 6087'

Date	Zone	Actual Perforations	JSPF	Total Perfs
5/31/1959	Abo	5990-6030'	2	
9/18/1978	Abo	5882'(Sgz perf)	4	
5/20/2002	Abo	5590-92, 5827-39, 5856-77, 5898-5704, 5744-58, 5786-77, 5836, 5848-51, 5858-70, 5877-84, 5892-5907, 5912-16, 5923-27, 5936, 5943-54, 5986-78'	2	
1/12/2017	Upper Abo	5828-30, 5854-62, 5898-704, 5750-58, 5880-70, 5891-94, 5902-06, 5988-75, 5982-6018'	3	222

Date	Zone	Stimulation / Producing Interval	Amount
5/31/1959	Abo	Acidized 5990-6030' w/1000 gal 15% regular	
9/18/1978	Abo	Trtd perms @ 5882' w/500 gal 15% HCL	
5/21/2002	Abo	Acidized 5590-5978', Pmp 21 bbls 7.5% HCL w/ ASOL. Pmp 162 bbls 15% HCL NEFE	
1/13/2017	Upper Abo	Acidized 5828-6018' w/2300 gals 15% HCL & 2500# rock salt	

Well History / Failure	
9/78: Gas Cone Healing. Set CIBP @ 5959'. Sgz'd perms @ 5882' w/225 ax C.I.C. DO BP @ 5959'. DO to 6049'.	
7/82: TA'd	
2/98: Swab and flow back. Prod 0 BO, 0 BW, 1 MMCFD	
2/12: Upsize PU to 840	
1/17: Sgz Abo perms w/700 ax C+	

Apache Representative

Contract Rig/Number

Apache Engineer

Alex Hernandez

Operator

Apache Corporation

Work Objective

Current

Region Office Permian / Midland
District / Field Office NW District
AFE Type

Start Date	TBD	End Date	TBD
Lease	Empire Abo Unit	KB/GL	3612/3600'
Well Name	Empire Abo Unit	Well No.	#018A
Field	Empire (BP)	TD @	6087'
County	Eddy	PBTD @	6051'
State	New Mexico	ETD @	
AFE #	TBD	API #	30-015-00706
Gross AFE	TBD	Spud Date	4/24/1959
Apache WI	37.833400%	Comp. Date	5/31/1959

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	J-55	24#	1453'	750 sx	surf
Inter Csg						
Prod Csg	4 1/2"	J-55	9.5#	6087'	850 sx	
Casing Liner						

11" hole

Date	Zone	Actual Perforations	JSPF	Total Perfs
5/31/1959	Abo	5990-6030'	2	
9/18/1978	Abo	5862'(Sqz perf)	4	
5/20/2002	Abo	5590-92, 5627-39, 5656-77, 5698-5704, 5744-56, 5766-77, 5836, 5848-51, 5856-70, 5877-84, 5892-5907, 5912-16, 5923-27, 5936, 5943-54, 5966-78'	2	
1/12/2017	Upper Abo	5626-30, 5654-62, 5699-704, 5750-56, 5860-70, 5891-94, 5902-08, 5968-75, 5992-6018'	3	222

Date	Zone	Stimulation / Producing Interval	Amount
5/31/1959	Abo	Acidized 5990-6030' w/1000 gal 15% regular	
9/18/1978	Abo	Trtd perms @ 5862' w/500 gal 15% HCL	
5/21/2002	Abo	Acidized 5590-5978', Pmp 21 bbls 7.5% HCL w/ ASOL. Pmp 182 bbls 15% HCL NEFE	
1/13/2017	Upper Abo	Acidized 5626-6018' w/2300 gals 15% HCL & 2500# rock salt	

Well History / Failure	
9/78: Gas Cone Healing. Set CIBP @ 5959'. Sqz'd perms @ 5862' w/225 sx Cl C. DO BP @ 5959'. DO to 6049'.	
7/92: TA'd	
2/96: Swab and flow back. Prod 0 BO, 0 BW, 1 MMCFD	
2/12: Upsize PU to 640	
1/17: Sqz Abo perms w/700 sx C+	

Apache Representative

Contract Rig/Number

Apache Engineer

Alex Hernandez

Operator

7 7/8" hole

TD: 6087'

5590'
Abo
6030'

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

**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. **Provide 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 well bore 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.