

UNITED STATES **Carlsbad Field Office**
DEPARTMENT OF THE INTERIOR **OCD Artesia**
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.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM025604
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: ALICIA FULTON E-Mail: ALICIA.FULTON@APACHECORP.COM		7. If Unit or CA/Agreement, Name and/or No. 8910138010
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432.818.1088	8. Well Name and No. EMPIRE ABO M 123
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T18S R27E NENE 1050FNL 100FEL		9. API Well No. 30-015-22812-00-S1
		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 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 REQUEST APPROVAL TO TA WELLBORE WITH

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 @ 5858? (top of perfs 5908?), POOH
3. RIH w/ dump bailer and spot 4 sxs (35?) of cement on top of CIBP, POOH
4. RIH and tag TOC. Record depth of TOC. RD WL
5. TIH w/ tubing (testing in)
6. Test casing. If tests good, circulate hole w/ packer fluid and biocide
- Note: If casing does not test, TA operations will be postponed and the well evaluated for P&A.
7. TOO H w/ tubing while scanning. Perform MIT
8. TA well
9. contact NMOCD 24 hours prior to performing MIT test.

GC 9/26/19
Accepted for record NMOCDNM OIL CONSERVATION
ARTESIA DISTRICT
SEP 23 2019

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #480972 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 09/03/2019 (19PP3160SE)	
Name (Printed/Typed) ALICIA FULTON	Title SR. REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/29/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>/s/ Jonathon Shepard</u>	Title <u>RE</u>	Date <u>SEP 12 2019</u>
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 <u>Cfo</u>	

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 **

Additional data for EC transaction #480972 that would not fit on the form

32. Additional remarks, continued

PROCEDURES AND WBD'S ATTACHED.



LOE

Well name: Empire Abo Unit M #123B

API Number: 30-015-22812
County, State: Eddy, NM
Legals: SEC 10 TWP-18S RGE-27E

Depths: 6225' MD 5995' PBTB
Producing Interval 5908'-5976'

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625"	24#	0.0636	0'	985'
Production	5.5"	15.5#	0.0238	0'	6224'

Engineer:	David Cummings	432-818-1845 (o)	davidr.cummings@apachecorp.com
Assistant Foreman:	David Pedroza	575-910-3283 (c)	david.pedroza@apachecorp.com
Production Foreman	Javier Berdoza	575-441-5755 (c)	javier.berdoza@apachecorp.com

What's New:

- 1) **Lay down rods and tubing for inspection**
- 2) **Set CIBP, cap w/ cement, and test casing integrity**
- 3) **TA well**

WELL HISTORY

The well is currently shut-in. Last tested at O Bo x 28 Bw x 2 Mcf, with last production reported on 10/2018.

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 @ 5858' (top of perms 5908'), POOH
3. RIH w/ dump bailer and spot 4 sxs (35') of cement on top of CIBP, POOH
4. RIH and tag TOC. Record depth of TOC. RD WL
5. TIH w/ tubing (testing in)
6. Test casing. If tests good, circulate hole w/ packer fluid and biocide
Note: If casing does not test, TA operations will be postponed and the well evaluated for P&A.
7. TOOH w/ tubing while scanning. Perform MIT
8. TA well

Note: Please contact NMOCD 24 hours prior to performing MIT test.

8/26/2019

Apache Corporation

Work Objective

Current

Region Office
District / Field Office
AFE Type

Permian / Midland
W District

Start Date	TBD	End Date	TBD
Lease	Empire Abo Un M	KB/GL	11/3544'
Well Name	Empire Abo Un M #123B	Location	1050' FNL & 100' FEL
Field	Empire (BP)	Location	Sec 10, T18S, R27E
County	Eddy	TD @	6225'
State	New Mexico	PBTD @	5995'
AFE #	TBD	ETD @	
Gross AFE	TBD	API #	30-015-22812
Apache WI	37.83%	Spud Date	5/8/1979
Apache NRI		Comp. Date	8/26/1979

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	K-55	24#	985'	270 sx	Circ 36 sx
Inter Csg						
Prod Csg	5 1/2"	K-55	15.5#	6224'	1150 sx	500' by CBL
Casing Liner						

11" hole

Date	Zone	Actual Perforations	JSPF	Total Perfs
6/5/1979	Abo	6015-30' (sqz'd w/ 175 sx)	2	30
6/13/1979	Abo	6050-70' (sqz'd w/ 75 sx)	2	40
8/1/1986	Abo	5908-76'	1	69

Date	Zone	Stimulation / Producing Interval	Amount
6/5/1979	Abo	A/ (6015-30') w/ 1500 g 15% HCL gelled	
6/13/1979	Abo	A/ (6050-70') w/ 1000 g 15% HCL gelled	
8/2/1986	Abo	A/ (5908-76') w/ 2500 g acid + 150 BS	

Well History / Failure	
6/79: Perf Abo @ 6015-30'. A/ 1500 g 15% HCL gelled. Set CR @ 5956', sqz perfs w/ 175 sx. Perf Abo @ 6050-70'. A/ 1000 g 15% HCL gelled. IP/ 110 Bo x 3 Bw x 95 Mcf.	
5/82: TA'd	
8/86: Set CR @ 5995', sqz perfs @ 6050-70' w/ 75 sx. Perf Abo @ 5908-76'. A/ 2500 g acid + 150 BS. RTP.	
8/18: LD all tbq due to wear & corrosion. Replace w/ new tbq. RTP.	
12/18: Rod part. LD prod due to pitting. Well SI.	

CR @ 5995', sqz w/ 75 sx

7 7/8" hole

Abo:
5908-76'

Abo:
6015-30'

Abo:
6050-70'

TD: 6225'

Apache Representative

Contract Rig/Number

Apache Engineer

David Cummings

Operator

WBD by: Shayne Moody
8/21/2019

Apache Corporation

Work Objective

Proposed

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

Start Date	TBD	End Date	TBD
Lease	Empire Abo Un M	KB/GL	11/3544'
Well Name	Empire Abo Un M #123B	Location	1050' FNL & 100' FEL
Field	Empire (BP)	Location	Sec 10, T18S, R27E
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AFE #	TBD	ETD @	
Gross AFE	TBD	API #	30-015-22812
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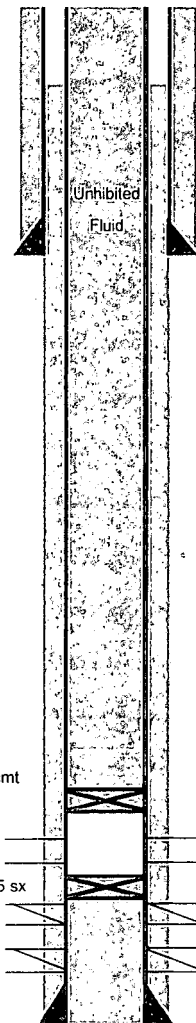
Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	K-55	24#	985'	270 sx	Circ 36 sx
Inter Csg						
Prod Csg	5 1/2"	K-55	15.5#	6224'	1150 sx	500' by CBL
Casing Liner						

11" hole

CIBP @ 5858' w/ 35' cmt
set via wireline

CR @ 5995', sqz w/ 75 sx

7 7/8" hole



Date	Zone	Actual Perforations	JSPF	Total Perfs
6/5/1979	Abo	6015-30' (sqz'd w/ 175 sx)	2	30
6/13/1979	Abo	6050-70' (sqz'd w/ 75 sx)	2	40
8/1/1996	Abo	5908-76'	1	69

Date	Zone	Stimulation / Producing Interval	Amount
6/5/1979	Abo	A/ (6015-30') w/ 1500 g 15% HCL gelled	
6/13/1979	Abo	A/ (6050-70') w/ 1000 g 15% HCL gelled	
8/2/1996	Abo	A/ (5908-76') w/ 2500 g acid + 150 BS	

Well History / Failure	
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5/92: TA'd	
8/96: Set CR @ 5995', sqz perfs @ 6050-70' w/ 75 sx. Perf Abo @ 5908-76'. A/ 2500 g acid + 150 BS. RTP.	
8/18: LD all tbg due to wear & corrosion. Replace w/ new tbg. RTP.	
12/18: Rod part. LD prod due to pitting. Well SI.	

Apache Representative _____ Contract Rig/Number _____
Apache Engineer David Cummings Operator _____

WBD by: Shayne Moody
8/21/2019

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval for Temporary Abandonment of Wells

Definition: A temporarily abandoned well is a completion that is not capable of production in paying quantities but which may have future value. 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.

Note: TA status "will be effective for a period up to 1 year from the date of NOI approval and can be renewed annually thereafter" per IM NM-2016-017.

1. A bridge plug (CIBP) must be installed 50 to 100 feet above any open perforations or open hole. The CIBP must be capped with either a minimum of 25 sacks of cement if placed with tubing or 35 feet of cement if placed with a bailer. The top of the cement must be verified by tagging.
2. 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. If the well does not pass the casing integrity test, then the operator shall, within 30 days, submit a procedure to either repair the casing or to plug and abandon the well.
3. 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.
4. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if it is not isolated by a packer.
5. A bradenhead test must be conducted. If the test indicates a problem, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
6. Submit a subsequent Sundry Notice (Form 3160-5) with the following information:
 - a. A well bore diagram with all perforations, CIBP's, and tops of cement on CIBP's.
 - b. A description of the temporary abandonment procedure.
 - c. A clear copy or the original of the pressure test chart.