

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM 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

5. Lease Serial No. NMLC065478B
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. 8910138010
8. Well Name and No. EMPIRE ABO M 122
9. API Well No. 30-015-22098-00-S1
10. Field and Pool or Exploratory Area EMPIRE-ABO
11. County or Parish, State EDDY COUNTY, NM

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator APACHE CORPORATION	
Contact: ALICIA FULTON E-Mail: ALICIA.FULTON@APACHECORP.COM	
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432.818.1088
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T18S R27E NENE 990FNL 1300FEL	

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 would like approval to TA the wellbore
procedures and wellbore diagrams attached

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 23 2019

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #480914 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 08/30/2019 (19PP3122SE)	
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>PE</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 ****



LOE

Well name: Empire Abo Unit M #122B

API Number: 30-015-22098

County, State: Eddy, NM

Legals: SEC-10 TWP-18S RGE-27E

Depths: 6200' MD 5895' PBDT
Producing Interval 5770'-5818'

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625"	24.0#	0.0636	0'	1000'
Production	5.500"	14#	0.0244	0'	6198"

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 producing. Last tested at O Bo x 1 Bw x O Mcf, with last reported production date on 6/2018.

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 @ 5700' (top of perms 5770'), 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.

8/28/2019

Apache Corporation

Work Objective

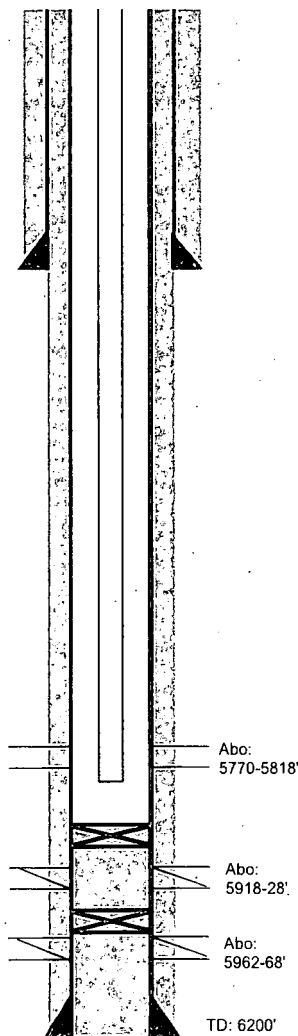
Current

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

Start Date	TBD	End Date	TBD
Lease	Empire Abo Unit M	KB/GL	12/3500'
Well Name	Empire Abo Unit M	Well No.	#122B
Field	Empire (BP)	TD @	6200'
County	Eddy	PBTD @	5895'
State	New Mexico	ETD @	
AFE #	TBD	API #	30-015-22098
Gross AFE	TBD	Spud Date	5/17/1977
Apache WI	37.833400%	Comp. Date	6/30/1977

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	K-55	24#	1000'	425 sx	Circ
Inter Csg						
Prod Csg	5 1/2"	K-55	14#	6198'	2570 sx	Circ 130 sx
Casing Liner						

11" hole



7 7/8" hole

Date	Zone	Actual Perforations	JSPF	Total Perfs
6/12/1977	Abo	5962-66'	2	8
6/17/1977	Abo	5918-28	2	20
8/15/1996	Abo	5770-5818'	2	96

Date	Zone	Stimulation / Producing Interval	Amount
6/12/1977	Abo	Acidz perfs 5962-68' w/ 500 g 15% HCL-NE	
6/17/1977	Abo	Acidz perfs 5918-28' w/ 6000 g 60/40 15% HCL/Xylene	
8/15/1996	Abo	Acidz perf 5770-5818' w/ 2000 g acid + 100 BS	

Well History / Failure	
8/77: Set CR @ 5948' & sqz perfs 5962-68' w/200 sx	
8/96: Set CR @ 5895' & sqz perfs 5918-28' w/ 100 sx. Perf U. Abo 5770-5818' & Acidz w/ 2000 g acid + 100 BS	
9/08: LD tbg, replace w/ YB. RTP.	
9/14: Pmp chng. Replace rod boxes on 50 7/8" rods & 50 3/4" rods. RTP.	

Apache Representative	Contract Rig/Number
Apache Engineer	David Cummings Operator

WBD by: Shayne Moody
8/19/2019

Apache Corporation

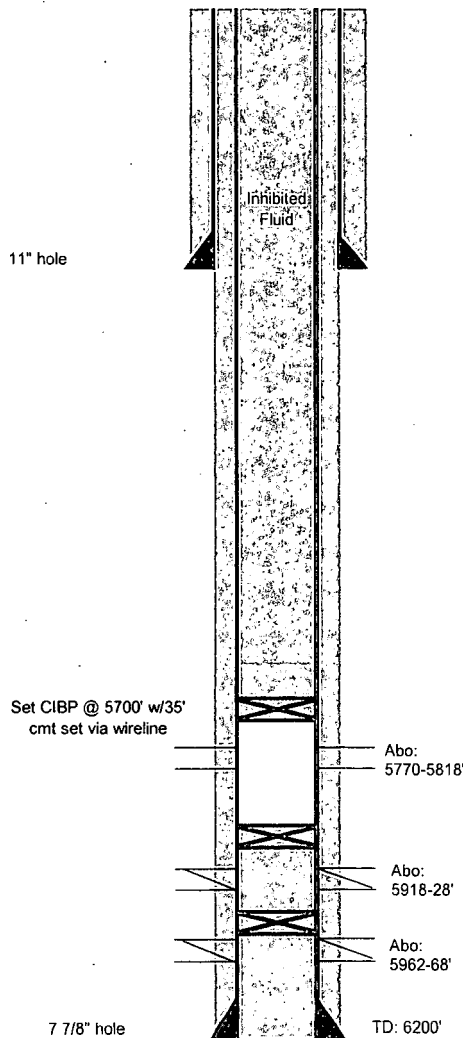
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Proposed

Region Office Permian / Midland
District / Field Office W District
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Apache Representative _____ Contract Rig/Number _____
 Apache Engineer David Cummings _____ Operator _____

WBD by: Shayne Moody
8/19/2019

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.