

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-02622
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 309164
7. Lease Name or Unit Agreement Name EMPIRE ABO UNIT
8. Well Number 021D
9. OGRID Number 873
10. Pool name or Wildcat EMPIRE ABO 224040

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Apache Corporation	
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	
4. Well Location Unit Letter <u>L</u> : 2219 feet from the <u>SOUTH</u> line and 660 feet from the <u>WEST</u> line Section <u>06</u> Township <u>18S</u> Range <u>28E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3644'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <u>ta wellbore</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to ta wellbore  
set cibp @5740+35' of cement over perms at 5792-6170

current and proposed wellbore diagrams included with procedures to TA well

RECEIVED

APR 08 2019

DISTRICT II-ARTESIA O.C.D.

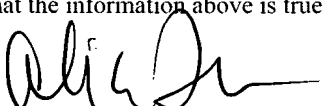
Spud Date:

12/27/1959

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



TITLE Sr. Staff Reg Analyst

DATE 4/5/2019

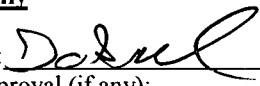
Type or print name Alicia Fulton

E-mail address: alicia.fulton@apachecorp.com

PHONE: (432) 818-1088

For State Use Only

APPROVED BY:



TITLE Compliance Officer

DATE 4-10-19

Conditions of Approval (if any):



LOE

**Well name:** Empire Abo Unit # -21

API Number: 30-015-02622

County, State: Eddy, NM

Legals: SEC-06 TWP-18S RGE-28E

Depths: 6194' MD 6177' PBTB

Producing Interval 5792-6170'

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625 "	22.7#	0.0637	0'	1003'
Production	5.500"	15.5#	0.0238	0'	6194'

Engineer:	Alex Hernandez	432-818-1694 (o)	<a href="mailto:alex.hernandez@apachecorp.com">alex.hernandez@apachecorp.com</a>
Assistant Foreman:	David Pedroza	575-910-3283 (c)	<a href="mailto:david.pedroza@apachecorp.com">david.pedroza@apachecorp.com</a>
Production Foreman	Javier Berdoza	575-441-5755 (c)	<a href="mailto:javier.berdoza@apachecorp.com">javier.berdoza@apachecorp.com</a>

**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 production date was on 5/2018, yielding 0 BO, 12 BW, 11 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 @ 5740' (top of perms 5792'), 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.

4/2/2019

# Apache Corporation

Work Objective

Current

Region Office

Permian / Midland

District /Field Office

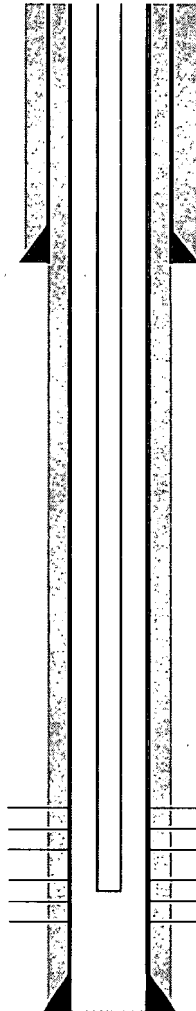
NW District

AFE Type

Start Date	TBD	End Date	TBD
Lease	Empire Abo Unit	KB/GL	3644' KB
Well Name	Empire Abo Unit	Well No.	#021D
Field	Empire (BP)	TD @	6194'
County	Eddy	PBTD @	6177'
State	New Mexico	ETD @	
AFE #	TBD	API #	30-015-02622
Gross AFE	TBD	Spud Date	12/27/1959
Apache WI	37.833400%	Comp. Date	1/26/1960

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"		22.7#	1003'	550 sx	Circ
Inter Csg						
Prod Csg	5 1/2"		15.5#	6194'	850 sx	TOC @ 125'
Casing Liner						

12 1/4" hole



7 7/8" hole

TD: 6194'

Date	Zone	Actual Perforations	JSPF	Total Perfs
1/27/1960	Abo	6130-6170'	2	
9/19/2001	Abo	5792-96, 5800-04, 12-18, 26-29, 36-40, 48-52, 60-70, 78-86, 5905-08, 12-21, 43-46, 88-6014, 42-68'	2	

Date	Zone	Stimulation / Producing Interval	Amount
1/1/1960	Abo	Acidized 6130-6170' w/ 4,000 gal 15% reg acid	
9/20/2001	Abo	Acidized 5768-6068' w/ 3,600 gal 15% NEFE. Displace w/30 bbls 8# brine.	

Well History / Failure	

Apache Representative

Contract Rig/Number

Apache Engineer

Alex Hernandez

Operator

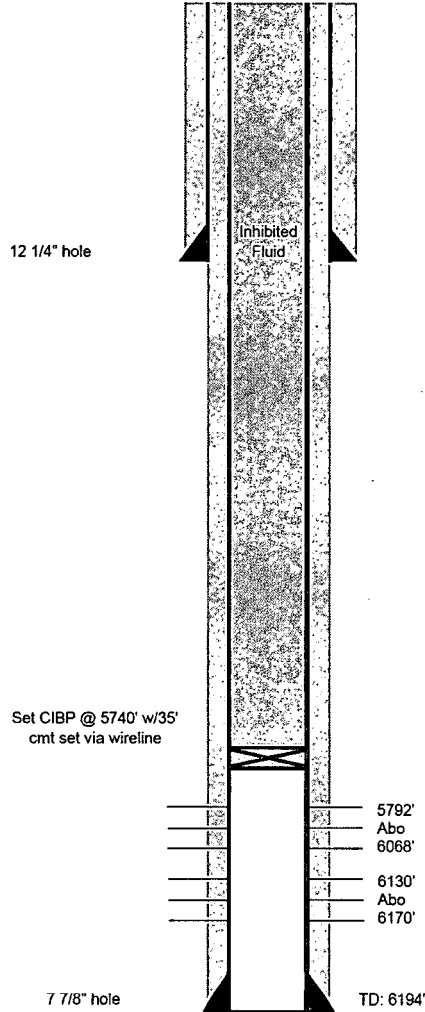
# Apache Corporation

Work Objective \_\_\_\_\_ Proposed \_\_\_\_\_

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

Start Date	TBD	End Date	TBD
Lease	Empire Abo Unit K-21	KB/GL	3644' KB
Well Name	Empire Abo Unit	Well No.	#021D
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Well History / Failure	

Apache Representative \_\_\_\_\_ Contract Rig/Number \_\_\_\_\_  
Apache Engineer Alex Hernandez Operator \_\_\_\_\_