

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

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

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-015-39065
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Apache Corporation		6. State Oil & Gas Lease No. 309164
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		7. Lease Name or Unit Agreement Name EMPIRE ABO UNIT
4. Well Location Unit Letter <u>B</u> : <u>1210</u> feet from the <u>NORTH</u> line and <u>2500</u> feet from the <u>EAST</u> line Section <u>33</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>EDDY</u>		8. Well Number <u>405</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3673'</u>		9. OGRID Number 873
		10. Pool name or Wildcat EMPIRE ABO 224040

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 @5775+35' of cement over perms at 5827-6120

current and proposed wellbore diagrams included with procedures to TA well

RECEIVED

APR 08 2019

DISTRICT II-ARTESIA O.C.D.

Spud Date:

01/26/2012

Rig Release Date:

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

SIGNATURE

Alicia Fulton

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:

Dan

TITLE Compliance Officer

DATE 4-10-19

Conditions of Approval (if any):



LOE

Well name: Empire Abo Unit #405

API Number: 30-015-39065
County, State: Eddy, NM
Legals: SEC-33 TWP-17S RGE-28E

Depths: 6303' MD 6282' PBD
Producing Interval 5827-6120'

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625 "	24#	0.0637	0'	515'
Production	5.500"	17#	0.0232	4375'	6303'

Engineer:	Alex Hernandez	432-818-1694 (o)	alex.hernandez@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 production date was on 5/2018, yielding 0 BO, 5 BW, 3 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 @ 5775' (top of perms 5827'), 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

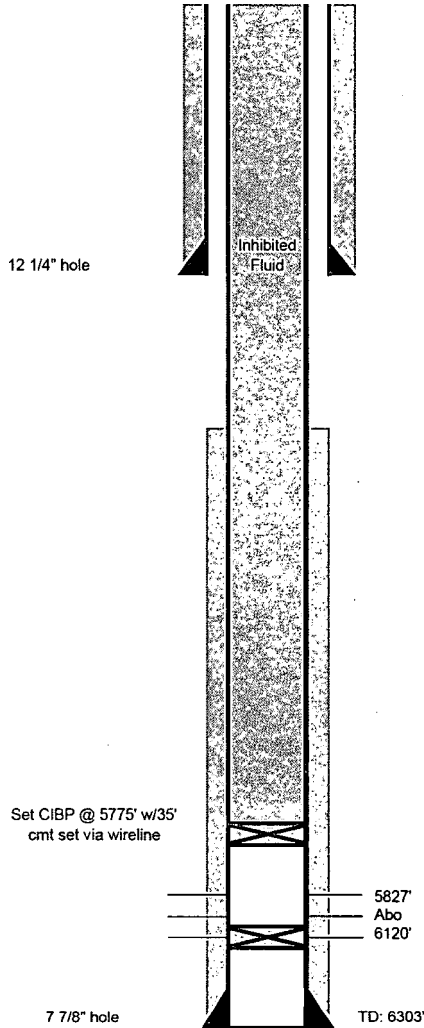
Apache Corporation

Work Objective Proposed

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

Start Date	TBD	End Date	TBD
Lease	Empire Abo Unit 405	KB/GL	3685/3673'
Well Name	Empire Abo Unit	Well No.	#405
Field	Empire (BP)	TD @	6303'
County	Eddy	PBTD @	6282'
State	New Mexico	ETD @	
AFE #	TBD	API #	30-015-39065
Gross AFE	TBD	Spud Date	1/26/2012
Apache WI	37.833400%	Comp. Date	3/14/2012

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	J-55	24#	515'	360 sx	Circ 25 sx to surf
Inter Csg						
Prod Csg	5 1/2"	J-55	17#	6303'	825 sx	TOC @ 4375' CBL
Casing Liner						



Date	Zone	Actual Perforations	JSPF	Total Perfs
3/6/2012	Abo	5827-5924 (1 JSPF), 5980-84, 88-94, 6062-64, 88-92, 6104-08, 12-20' (2 JSPF)	2	74

Date	Zone	Stimulation / Producing Interval	Amount
3/7/2012	Abo	Acidized 5827-6120' w/ 1816 gal 15% HCL NEFE acid	

Well History / Failure	
3/12: CIBP @ 6056' w/ 25' cmt on top	

Apache Representative _____ Contract Rig/Number _____
 Apache Engineer Alex Hernandez _____ Operator _____

Apache Corporation

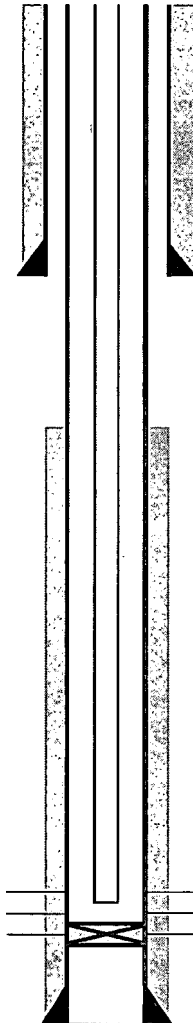
Work Objective _____ Current _____

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

Start Date	TBD	End Date	TBD
Lease	Empire Abo Unit 405	KB/GL	3685/3673'
Well Name	Empire Abo Unit	Well No.	#405
Field	Empire (BP)	TD @	6303'
County	Eddy	PBTD @	6282'
State	New Mexico	ETD @	
AFE #	TBD	API #	30-015-39065
Gross AFE	TBD	Spud Date	1/26/2012
Apache WI	37.833400%	Comp. Date	3/14/2012

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	J-55	24#	515'	360 sx	Circ 25 sx to surf
Inter Csg						
Prod Csg	5 1/2"	J-55	17#	6303'	825 sx	TOC @ 4375' CBL
Casing Liner						

12 1/4" hole



7 7/8" hole

TD: 6303'

Date	Zone	Actual Perforations	JSPF	Total Perfs
3/6/2012	Abo	5827-5924 (1 JSPF), 5980-84, 88-94, 6062-64, 88-92, 6104-08, 12-20' (2 JSPF)	2	74

Date	Zone	Stimulation / Producing Interval	Amount
3/7/2012	Abo	Acidized 5827-6120' w/ 1816 gal 15% HCL NEFE acid	

Well History / Failure	
3/12: CIBP @ 6056' w/ 25' cmt on top	

Apache Representative _____ Contract Rig/Number _____
Apache Engineer Alex Hernandez Operator _____