

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-015-39072
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.
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>G</u> : <u>2590</u> feet from the <u>NORTH</u> line and <u>2495</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>400</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3667' GR</u>		9. OGRID Number <u>873</u>
		10. Pool name or Wildcat EMPIRE ABO (22040)

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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: <input 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.

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

SEP 17 2018

Apache would like to TA wellbore.

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 @ 5770' (top of perms 5826'), 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

contact NMOCD 24 hours prior to performing MIT test

**RECEIVED**

TA status may be granted after a successful MIT test is performed. Contact the OCD to schedule the test so it may be witnessed.

Spud Date:

08/31/2011

Rig Release Date:

09/13/2011

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 9/17/2018

Type or print name Alicia Fulton

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

PHONE: (432) 818-1088

For State Use Only

APPROVED BY:

*[Signature]*

TITLE

*Staff Mgr*

DATE

9-20-18

Conditions of Approval (if any):



LOE

**Well name:** Empire Abo Unit #400  
**API Number:** 30-015-39072  
**County, State:** Eddy, NM  
**Legals:** SEC-33 TWP-17S RGE-28E

**Depths:** 6300' MD 6253' PBTD  
**Producing Interval** 5826-6150'

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625"	24.0#	0.0636	0'	503'
Production	5.500"	17#	0.0232	0'	6300'

<b>Engineer:</b>	Alex Hernandez	432-818-1694 (o)	<a href="mailto:alex.hernandez@apachecorp.com">alex.hernandez@apachecorp.com</a>
<b>Assistant Foreman:</b>	David Pedroza	575-910-3283 (c)	<a href="mailto:david.pedroza@apachecorp.com">david.pedroza@apachecorp.com</a>
<b>Production Foreman</b>	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 9/2017, yielding 1 BO, 404 BW, 9 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 @ 5770' (top of perms 5826'), 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.

9/17/2018

GL=3,667'  
KB=3,679'  
Spud: 8/31/11

## Apache Corporation – Empire Abo Unit #400

### Wellbore Diagram – Current

API: 30-015-39072

Date : 1/5/12  
S. Hardin

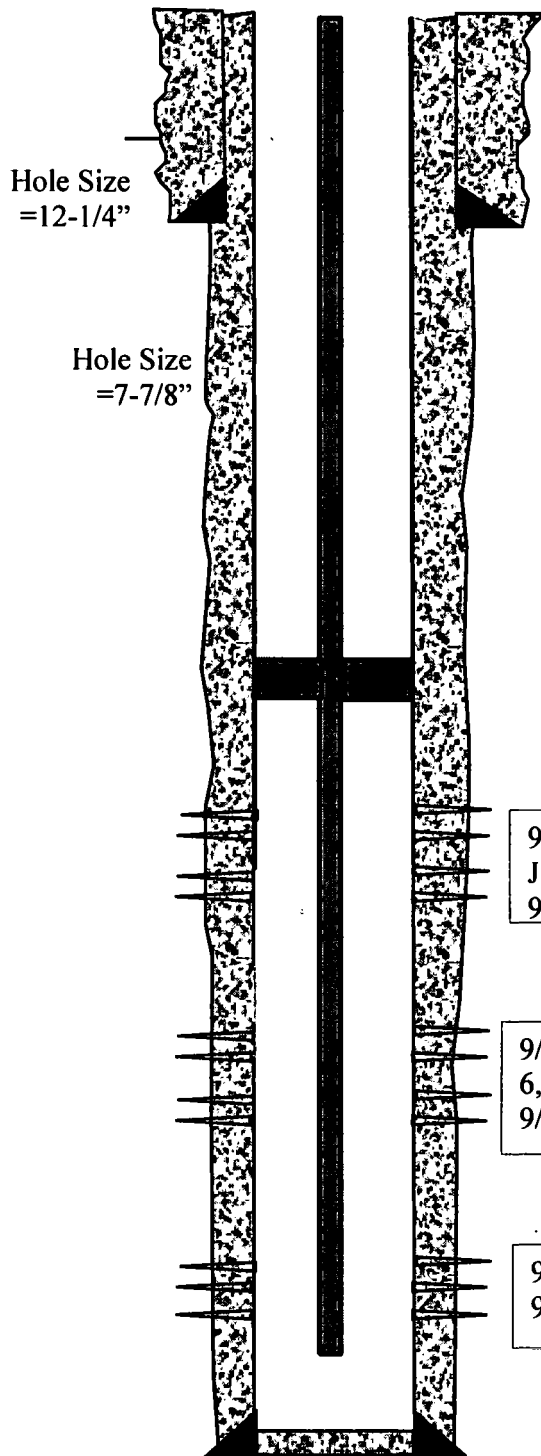
#### Surface Location



2590' FNL & 2495' FEL, Unit G  
Sec 33, T17S, R28E, Eddy County, NM

#### Surface Casing

8-5/8" 24# J-55 @ 503' w/ 350 sx to surface



9/29/11: Perf Abo @ 5,826'-36'; 5,848'-53'; 5,866'-72'; 5,886'-92' w/ 2 JSPF (54 holes)

9/30/11: Acidized w/ 1,500 gallons of NEFE acid

9/26/11: Perf Abo @ 5,928'-34'; 5,948'-52'; 5,998'-6,006'; 6,022'-30'; 6,054'-64' w/ 2 JSPF (72 holes)

9/27/11: Acidized w/ 3,000 gallons of NEFE acid

9/21/11: Perf Abo @ 6,110'-20'; 6,140'-50' w/ 2 JSPF (40 holes)

9/22/11: Acidized w/ 2,000 gallons of NEFE acid

#### Production Casing

5-1/2" 17# J-55 @ 6,300' w/ 700 sxs

PBTD = 6,253'

TD = 6,300'

GL=3,667'  
KB=3,679'  
Spud: 8/31/11

## Apache Corporation – Empire Abo Unit #400

### Wellbore Diagram – Proposed

Date : 1/5/12  
S. Hardin

API: 30-015-39072

#### Surface Location



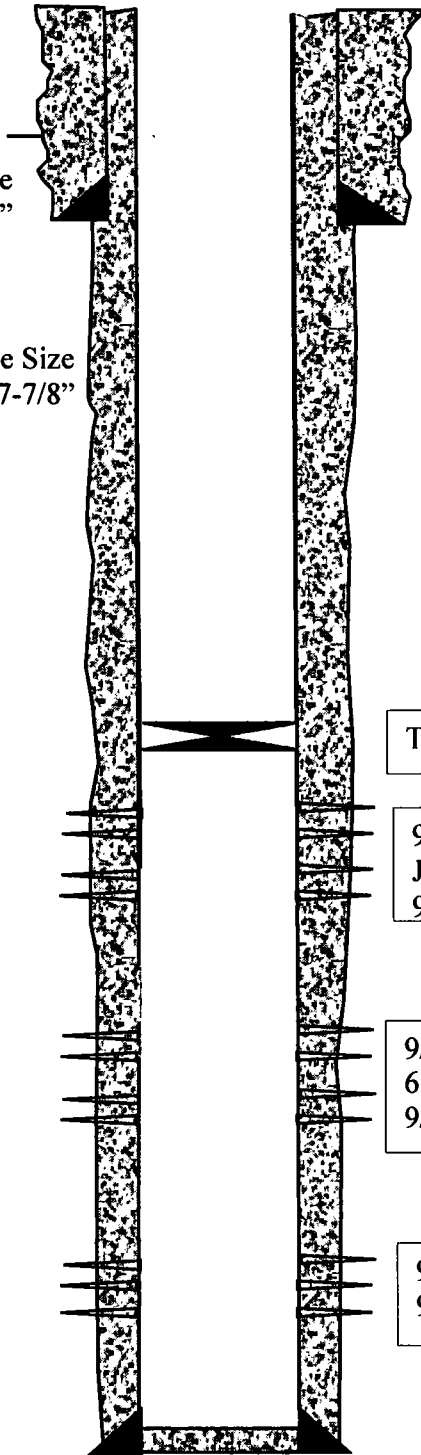
2590' FNL & 2495' FEL, Unit G  
Sec 33, T17S, R28E, Eddy County, NM

#### Surface Casing

8-5/8" 24# J-55 @ 503' w/ 350 sx to surface

Hole Size  
=12-1/4"

Hole Size  
=7-7/8"



TBD: Set CIBP @ 5770' w/35' cmt set via wireline

9/29/11: Perf Abo @ 5,826'-36'; 5,848'-53'; 5,866'-72'; 5,886'-92' w/ 2 JSPF (54 holes)

9/30/11: Acidized w/ 1,500 gallons of NEFE acid

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