

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. 30-015-22911
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. XO-0647-0405
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>1545</u> feet from the <u>NORTH</u> line and <u>1625</u> feet from the <u>East</u> line Section <u>35</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>Eddy</u>		8. Well Number <u>391A</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3681' GR		9. OGRID Number 873
		10. Pool name or Wildcat EMPIRE ABO (22040)

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: <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.

Apache would like to TA wellbore.

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 @ 5980' (top of perfs 6035'), 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

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 17 2018

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:

06/25/1979

Rig Release Date:

08/29/1979

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 #391 A

API Number: 30-015-22911

County, State: Eddy, NM

Legals: SEC-33 TWP-17S RGE-28E

Depths: 6425' MD 6135' PBTD
Producing Interval 6035-6130'

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	13.375"	54.5#	0.1546	0'	745'
Intermediate	8.625"	28#	0.0624	0'	3010'
Production	5.500"	15.5#	0.0238	0'	6205'

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 11/2017, yielding 0 BO, 0 BW, 1 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 @ 5980' (top of perfs 6035'), 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= 3681'
KB= 11'
Spud Date: 6/25/1979

Apache Corporation – Empire Abo Unit #391 A

Wellbore Diagram – Current Status

Date: 9/8/2011
S Hardin

API: 30-015-22911

Surface Location



1545' FNL & 1625' FEL, Unit G
Sec 33, T17S, R28E, Eddy County, NM

Surface Casing

13-3/8" 54.5# K-55 @ 745' cmt w/ 650 sx circ 100 sx to surface

Intermediate Casing

8-5/8" 28# S-80 @ 3010' cmt w/ 1225 sx circ 275 sx to surface

Production Casing

5-1/2" 15.5# K-55 @ 6205' cmt w/ 1275 sx circ 150 sx to surface

Hole Size
=17-1/2"

Hole Size
=11"

Hole Size
=7-7/8"

4/89: TA'd
6/11: RWTP

Hole Size
=4-3/4"

5/11: Perf Upr Abo @ 6035'-66', 6078'-6102', 6116'-30' (2 JSPF, 13 Holes)
Acidize 2500 gal 15% Anti-Sludge acid

4/89: CIBP @ 6135'

9/79: Perf Abo @ 6142'-6148' (2 JSPF, 12 Holes)
Acidize w/ 500 gal 15% HCL-LSTNE-FE

9/79: CIBP @ 6183'

PBTD = 6135'
TD = 6425'

GL= 3681'
KB= 11'
Spud Date: 6/25/1979

Apache Corporation – Empire Abo Unit #391 A

Wellbore Diagram – Proposed

Date: 9/8/2011
S Hardin

API: 30-015-22911

Surface Location



1545' FNL & 1625' FEL, Unit G
Sec 33, T17S, R28E, Eddy County, NM

Surface Casing

13-3/8" 54.5# K-55 @ 745' cmt w/ 650 sx circ 100 sx to surface

Intermediate Casing

8-5/8" 28# S-80 @ 3010' cmt w/ 1225 sx circ 275 sx to surface

Production Casing

5-1/2" 15.5# K-55 @ 6205' cmt w/ 1275 sx circ 150 sx to surface

Hole Size
=17-1/2"

Hole Size
=11"

Hole Size
=7-7/8"

4/89: TA'd
6/11: RWTP

Hole Size
=4-3/4"

TBD: Set CIBP @ 5980' w/35' cmt set via wireline

5/11: Perf Upr Abo @ 6035'-66', 6078'-6102', 6116'-30' (2 JSPF, 13 Holes)
Acidize 2500 gal 15% Anti-Sludge acid

4/89: CIBP @ 6135'

9/79: Perf Abo @ 6142'-6148' (2 JSPF, 12 Holes)
Acidize w/ 500 gal 15% HCL-LSTNE-FE

9/79: CIBP @ 6183'

PBTD = 6135'
TD = 6425'