

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

<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. 30-025-42055
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. B0-1113-0001
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		7. Lease Name or Unit Agreement Name WARN STATE AC 2 [306627]
4. Well Location Unit Letter <u>C</u> : <u>330</u> feet from the <u>N</u> line and <u>2310</u> feet from the <u>W</u> line Section <u>6</u> Township <u>18S</u> Range <u>35E</u> NMPM County <u>LEA</u>		8. Well Number #027
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3972' GL		9. OGRID Number 873
		10. Pool name or Wildcat [61780] VACUUM;ABO REEF

JUN 30 2015  
 RECEIVED  
 OIL CONSERVATION DIVISION

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input checked="" type="checkbox"/> OTHER: RE-COMplete TO ABO <input checked="" type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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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 re-complete to ABO per the attached procedure.

Spud Date: 12/16/2014      Rig Release Date: 01/10/2015

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

SIGNATURE *Emily Follis*      TITLE Reg Analyst      DATE 06/30/2015

Type or print name Emily Follis      E-mail address: Emily.follis@apachecorp.com      PHONE: (432) 818-1801

**For State Use Only**

APPROVED BY: *[Signature]*      TITLE Petroleum Engineer      DATE 06/30/15  
 Conditions of Approval (if any):

*B-Perm Kz*

JUL 01 2015

Warn State AC 2 #27

API # 30-025-42055

Sec 6, T18S, R35E

Elevation: 3992' KB, 3972' GL

TD: 10,517'

PBTD: 10,517'

Casing Record: 13-3/8" 55# J-55 @ 1,250' w/ 1845 sxs to surface  
9-5/8" 36/40# HCK-55 @ 5,536' w/ 1845 sxs to surface  
5-1/2" 20# L-80 @ 10,517' w/ 1460 sxs to 3,250'

Perfs: Pennsylvanian: 10,018'-10,352

Objective: Re-complete to the Abo

AFE: 11-14-2205

1. MIRU unit. Kill well as necessary. ND WH. NU BOP. Release TAC. POOH w/ 2-7/8" J-55 tubing to be used as work string and production string.
2. PU and RIH w/ bit, bit sub, and casing scrapper to 10,000'. Test casing to 1000 psi. POOH.
3. MIRU WL. RIH w/ CIBP. Set CIBP @  $\pm 9,940'$ . Release POOH. Mix cement. NU lubricator, PU bailer, RIH and spot ~~30'~~<sup>35'</sup> of cement on top of CIBP. POOH, WOC.
4. PU and RIH w/ perforator and perforate the lower Abo at 8518'-8582', 8611'-8624', 8637'-8642', 8660'-8663', 8681'-8738' w/ 2 jspf 120<sup>0</sup> phasing (286 holes). TOH w/ perf guns. Correlate to **Schlumberger Compensated Neutron/Gamma Ray Log dated 01/06/2015**. RDMO WL.
5. TIH w/ RBP-PKR straddle assembly w/ ball catcher. Set RBP w/ ball catcher at  $\pm 8,840'$ . TOH and set PKR above perfs at  $\pm 8,470'$ .
6. MIRU acid services. Acidize the lower Abo (8518-8738) down the tubing with 5,000 gallons 15% NEFE w/ additives dropping 380 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed 6,000 psi surface treating pressure. Displace to bottom perf with flush. Release PKR, TIH and knock balls off. TOH and set PKR at 8,470'.
7. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland to determine intent of producing bottom zone. TIH to RBP and ball catcher, release RBP and POOH w/ PKR-RBP assembly.
8. Kill well if necessary. PU and RIH w/ perforator and perforate the upper Abo at 8305'-8323', 8338'-8378', 8390'-8422', 8435'-8444' w/ 2 jspf 120<sup>0</sup> phasing (198 holes). TOH w/ perf guns. Correlate to **Schlumberger Compensated Neutron/Gamma Ray Log dated 01/06/2015**. RDMO WL.
9. TIH w/ RBP-PKR straddle assembly w/ ball catcher. Set RBP w/ ball catcher at  $\pm 8,490'$ . TOH and set PKR above perfs at  $\pm 8,240'$ .
10. MIRU acid services. Acidize the upper Abo (8305-8444) down the tubing with 4,000 gallons 15% NEFE w/ additives dropping 250 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed 6,000 psi surface treating pressure. Displace to bottom perf with flush. Release PKR and knock balls off. TOH and set PKR at 8,240'.

11. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
12. Kill well if necessary. TIH to RBP and ball catcher. Latch and release RBP. TOH w/ PKR-RBP assembly and WS.
  - a. If Abo is productive, place well on production in upper and lower Abo.
  - b. If Lower Abo is unproductive, TIH and set CIBP @ 8,500'. Place well on production in upper Abo.
13. RIH w/ 2-7/8" J-55 production tubing and rods as per the Hobbs office specification.
14. RDMOPU. Set pumping unit. Return well to production and place into test for 10 days.

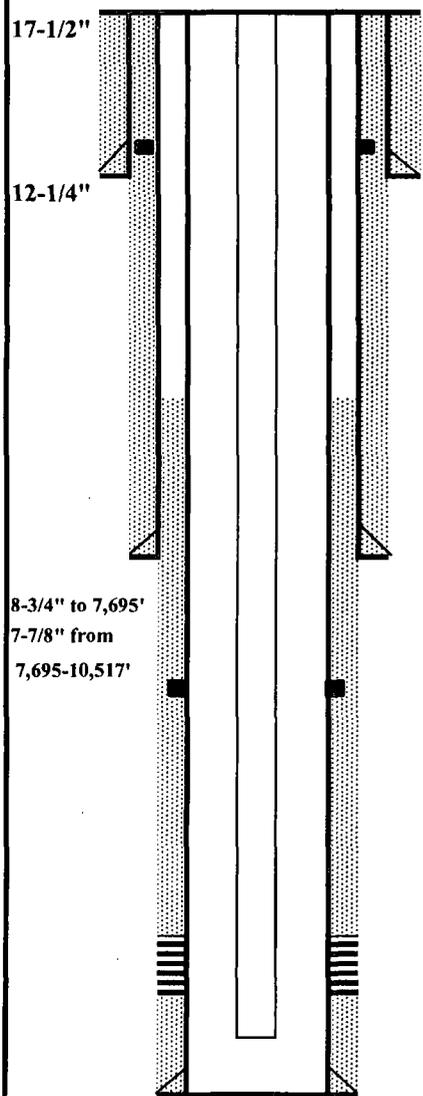
## Apache Corp. Current Wellbore

<b>GROUP:</b>	Permian North	<b>DATE:</b>	Jun. 08, 2015
<b>FIELD:</b>	Vacuum	<b>BY:</b>	HJG
<b>LEASE/UNIT:</b>	Warn State AC 2	<b>WELL:</b>	#27
<b>COUNTY:</b>	Lea	<b>STATE:</b>	New Mexico
<b>API NUMBER:</b>	30-025-42055		

Spud Date: 12/16/2014

KB = 20'

GL = 3972'



Cmt w/ 1250 sx circ to surf

9-5/8" 36# & 40# HCK-55 LTC Set @ 5,536'

CMT W/ 1460 sx (1st stage) & 385 sx (2nd stage) TOC @ surf

DVT @ 1,303'

ECP @ 1,330'

5 1/2" 20# L-80 LTC Set @ 10,517'

CMT W/ 650 sx (1st stage) & 550 sx (2nd stage) TOC @ 3,250 (est)

DVT @ 7,024'

**Penn (2/2015)**

10,018-10,352' (1 JSPF, 25 holes)

2-7/8" J-55 TBG @ 10,436'

TD = 10,517'

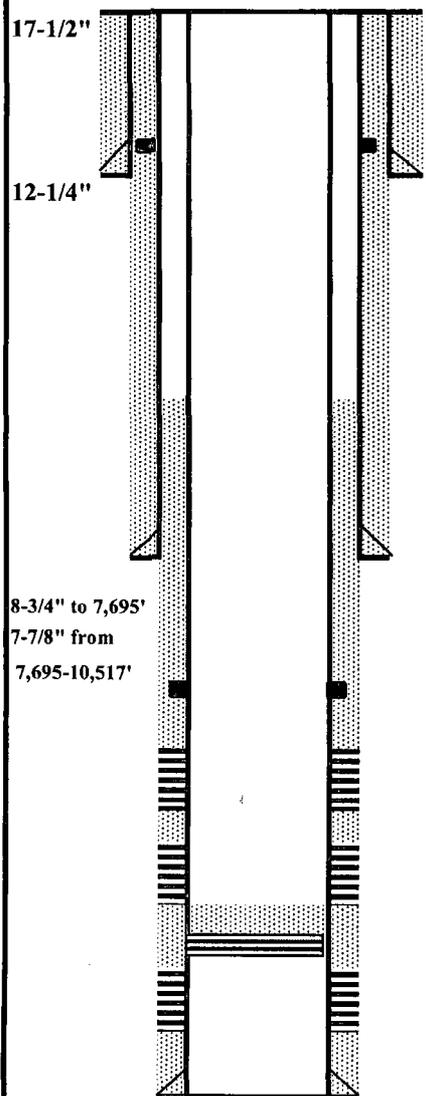
PBTD = 10,517'

# Apache Corp. Proposed Wellbore

<b>GROUP:</b>	Permian North	<b>DATE:</b>	Jun. 08, 2015
<b>FIELD:</b>	Vacuum	<b>BY:</b>	HJG
<b>LEASE/UNIT:</b>	Warn State AC 2	<b>WELL:</b>	#27
<b>COUNTY:</b>	Lea	<b>STATE:</b>	New Mexico
<b>API NUMBER:</b>	30-025-42055		

Spud Date: 12/16/2014

KB = 20'  
GL = 3972'



Cmt w/ 1250 sx circ to surf

9-5/8" 36# & 40# HCK-55 LTC Set @ 5,536'  
CMT W/ 1460 sx (1st stage) & 385 sx (2nd stage) TOC @ surf

DVT @ 1,303'  
ECP @ 1,330'

5 1/2" 20# L-80 LTC Set @ 10,517'  
CMT W/ 650 sx (1st stage) & 550 sx (2nd stage) TOC @ 3,250 (est)

DVT @ 7,024'

**Upper Abo (Proposed)**  
8,305-8,444' (2 JSPF, 198 holes)

**Lower Abo (Proposed)**  
8,518-8,738' (2 JSPF, 286 holes)

CIBP @ 9,940' W/ 30' CMT  
Penn (2/2015) **35'**  
10,018-10,352' (1 JSPF, 25 holes)

TD = 10,517'  
PBTD = 9,910'