

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. 30-025-42055
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 C : 330 feet from the N line and 2310 feet from the W line Section 6 Township 18S Range 35E NMPM County LEA		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

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 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 checked="" type="checkbox"/>			
OTHER: RE-COMplete TO ABO <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 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):

E-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'} 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 120⁰ 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 120⁰ 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.

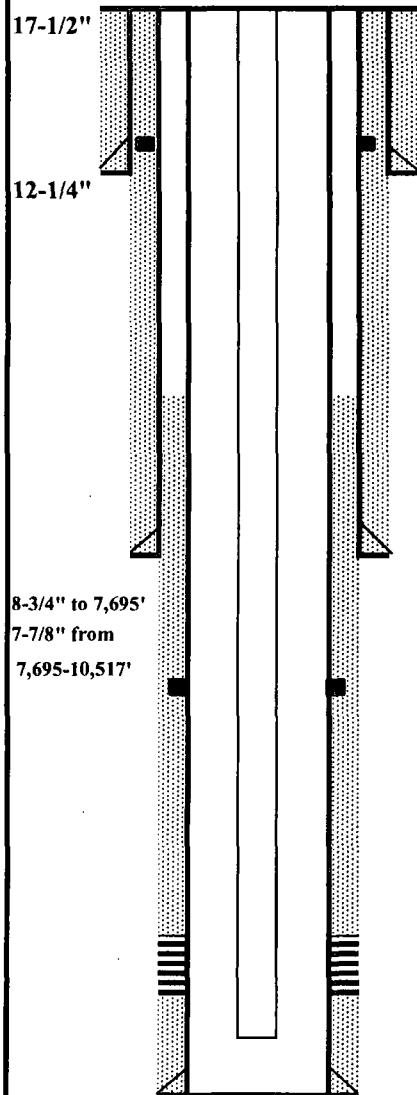
**Apache Corp.
Current Wellbore**

GROUP:	Permian North	DATE:	Jun. 08, 2015
FIELD:	Vacuum	BY:	HJG
LEASE/UNIT:	Warn State AC 2	WELL:	#27
COUNTY:	Lea	STATE:	New Mexico
API NUMBER:	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'

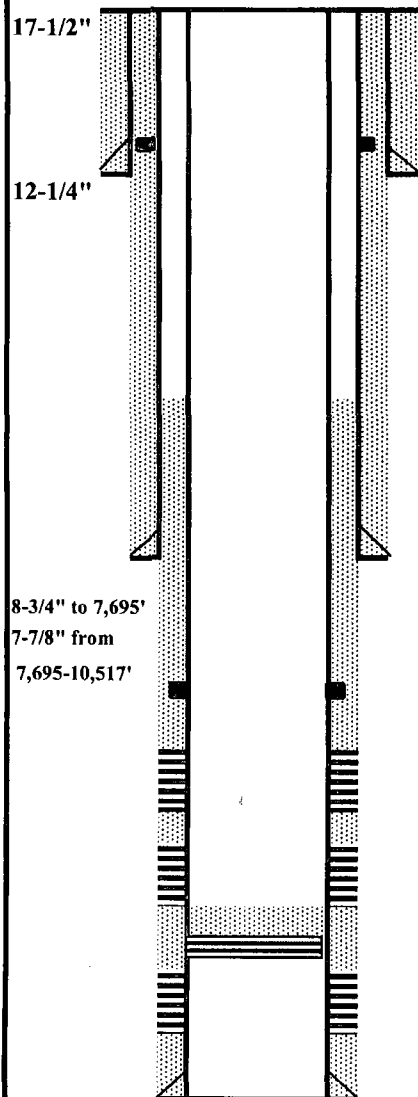
Apache Corp. Proposed Wellbore

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

Spud Date: 12/16/2014

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Cmt w/ 1250 sx circ to surf

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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)

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

TD = 10,517'

PBTD = 9,910'