

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

WELL API NO. 30-025-37267
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name APACHE STATE Q [35591]
8. Well Number #008
9. OGRID Number 873
10. Pool name or Wildcat
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3530' gr

**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.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
Apache Corporation

3. Address of Operator  
303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

4. Well Location  
 Unit Letter P : 990 feet from the SOUTH line and 330 feet from the EAST line  
 Section 16 Township 20S Range 37E NMPM County LEA

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 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: ACIDIZE TUBB & DRINKARD <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 request to complete the following work:

Work Objective: Add Pay in and Selectively Acidize Tubb and Drinkard  
 TBD: Add Tubb pay 6386-6394,6411-6420,6430-6450,6453-6460,6472-6479' (2SPF)  
 Drinkard - 6518-6524,6526-6532,6536-6546',6556-6574,6598-6609,6632-6636,6751-6755,6759-6763,6784-6802,6816-6828 (2SPF)  
 Acidize Tubb & Drinkard w/6000 gals 15%

Please see the attached Procedures with Current & Proposed WBD

Spud Date:  Rig Release Date:

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 06/29/2017

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 07/03/17  
 Conditions of Approval (if any):

GL=3538'  
KB=3551'  
Spud: 7/4/05

# Apache Corporation – State Q #8

## Wellbore Diagram – Current Status

Date : 4/17/2012

API: 30-025-37267

### Surface Location

R. Taylor



990' FSL & 330' FEL, Unit  
UL P Sec 16, T20S, R37E, Lea County, NM

### Surface Casing

8-5/8" 24# J-55 @ 1193' w/ 750 sx to surface

Hole Size  
=12 1/4"

Hole Size  
=7-7/8"

TOC @ 1800'

DV Tool @ 3615'

TAC @ 6289'

SN @ 6693'

9/05: Perf Tubb @ 6334-40; 6393-95; 6450-53; 6502-05; 6584-89 w/ 3 jspf. PPI acidized w/ 5500 gal 15% HCL.  
Frac'd w/ 101,000 gal Spectra Star 30# XL borate & 200k# 20/40

8/05: Perf Drinkard @ 6651-54; 6680-83; 6737-41; 6784-89; 6811-20 w/ 3 jspf. PPI acidized w/ 5000 gal 15% HCL.  
Frac'd w/ 79,400 gal Spectra Star 30# XL borate & 150k# 20/40

10/05: Remains of CIBP pushed to 6830'

8/05: CIBP set @ 6915'

8/05: Perf Abo @ 6982-86 w/ 4 jspf (16 holes).  
Acidized perfs & OH w/ 4000 gal 15% HCL

8/05: Sonic hammer OH 6973-7465' w/ 543 BBL 2% KCL @ BPM.  
Spot 500 gal 15% HCL. Couldn't break form @ 3100 psi

PBTD = 6915'  
TD = 7465'

### Production Casing

5-1/2" 17# K-55 @ 6990' w/ 550 sxs  
DV tool @ 3615 w/ 2125 sxs

GL=3538'  
KB=3551'  
Spud: 7/4/05

# Apache Corporation – State Q #8

## Wellbore Diagram – Proposed Status

Date : 6/29/2017  
J. Bower

API: 30-025-37267

### Surface Location



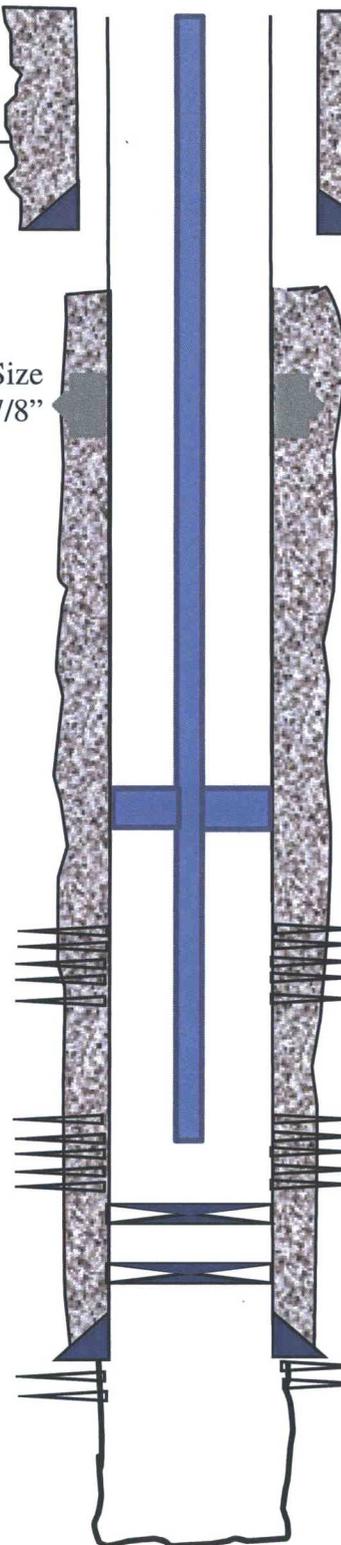
990' FSL & 330' FEL, Unit  
UL P Sec 16, T20S, R37E, Lea County, NM

### Surface Casing

8-5/8" 24# J-55 @ 1193' w/ 750 sx to surface

Hole Size  
=12 1/4"

Hole Size  
=7-7/8"



TOC @ 1800'

DV Tool @ 3615'

TAC @ 6289'

SN @ 6693'

TBD: Add pay in Tubb as follows: 6386' - 6394', 6411' - 6420', 6430' - 6450', 6453' - 6460', 6472' - 6479' (2 SPF). Add pay in Drinkard as follows: 6518' - 6524', 6526' - 6532', 6536' - 6546', 6556' - 6574', 6598' - 6609', 6632' - 6636', 6751' - 6755', 6759' - 6763', 6784' - 6802', 6816' - 6828' (2 SPF). Acidize Tubb and Drinkard w/6000 gals 15%.

9/05: Perf Tubb @ 6334-40; 6393-95; 6450-53; 6502-05; 6584-89 w/ 3 jspf. PPI acidized w/ 5500 gal 15% HCL. Frac'd w/ 101,000 gal Spectra Star 30# XL borate & 200k# 20/40

8/05: Perf Drinkard @ 6651-54; 6680-83; 6737-41; 6784-89; 6811-20 w/ 3 jspf. PPI acidized w/ 5000 gal 15% HCL. Frac'd w/ 79,400 gal Spectra Star 30# XL borate & 150k# 20/40

10/05: Remains of CIBP pushed to 6830'

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8/05: Sonic hammer OH 6973-7465' w/ 543 BBL 2% KCL @ BPM. Spot 500 gal 15% HCL. Couldn't break form @ 3100 psi

PBTD = 6915'  
TD = 7465'

### Production Casing

5-1/2" 17# K-55 @ 6990' w/ 550 sxs  
DV tool @ 3615 w/ 2125 sxs

State Q #8 (30-025-37267)

AFE: 11-17-1133

Work Objective: Add Pay in and Selectively Acidize Tubb and Drinkard

Day 1: RU SU. POOH w/pump and rods.

**NOTE: If paraffin is encountered, DO NOT hot water down tubing. Attempt to swab paraffin out of tubing and strip out if necessary. If problems encountered, discuss with Midland engineering. A diesel cleanup may be necessary.**

NU BOP. POOH w/tubing. Note scale and paraffin deposits as well as location of deposits on report. Notify Midland engineering of type and amount of scale encountered as soon as tubing is pulled.

Day 2: RIH w/bit and scraper. RIH to  $\pm 6830'$  and tag for fill. POOH.

MIRU WL Unit. Perforate as follows w/2 SPF and 180 degree phasing:

**NOTE: Please use perfs highlighted in yellow as those are correlated to the CBL ran 9/6/2005.**

<u>Porosity Log</u>	<u>CBL/RBL</u>	<u>Adjustment</u>
<b><u>Tubb</u></b>	<b><u>Tubb</u></b>	<b><u>Tubb</u></b>
6386' - 6394'	6386' - 6394'	no adjustment
6411' - 6420'	6411' - 6420'	no adjustment
6430' - 6450'	6430' - 6450'	no adjustment
6453' - 6460'	6453' - 6460'	no adjustment
6472' - 6479'	6472' - 6479'	no adjustment
<b><u>Drinkard</u></b>	<b><u>Drinkard</u></b>	<b><u>Drinkard</u></b>
6518' - 6524'	6518' - 6524'	no adjustment
6526' - 6532'	6526' - 6532'	no adjustment
6536' - 6546'	6536' - 6546'	no adjustment
6556' - 6574'	6556' - 6574'	no adjustment
6598' - 6609'	6598' - 6609'	no adjustment
6632' - 6636'	6632' - 6636'	no adjustment
6751' - 6755'	6751' - 6755'	no adjustment
6759' - 6763'	6759' - 6763'	no adjustment
6784' - 6802'	6784' - 6802'	no adjustment
6816' - 6828'	6816' - 3828'	no adjustment

RIH w/RBP and packer. **Set RBP @  $\pm 6900'$  and packer @ 6710' (this depth needs to be almost exact).** Acidize Lower Drinkard w/2000 gals 15% NEFE HCl and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures. Release packer. RIH and latch RBP.

Release RBP and pick up hole. **Set RBP @ ±6710'. Set packer @ ±6300'.** Acidize Upper Drinkard/Tubb w/4000 gals 15% NEFE HCl acid and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Release packer. RIH and latch RBP. Release RBP and POOH w/packer and RBP.

Day 4: Finish POOH w/tubing and lay down packer and RBP. Test in hole w/2-7/8" tubing. RIH w/pump and rods. POP. **NOTE: please see attached rod design for changes. We will be adding sinker bars, 1" rods, and making changes to the unit.**