

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
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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

HOBBS OCD

MAY 12 2014

RECEIVED

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-06618
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. BO-0085-0016
7. Lease Name or Unit Agreement Name West Blinbry Drinkard Unit (WBDU) / 37346
8. Well Number 077
9. OGRID Number 873
10. Pool name or Wildcat Eunice; B-T-D, North (22900)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3459' GL

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 J : 1980 feet from the South line and 1980 feet from the East line  
Section 16 Township 21S Range 37E NMPM County Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: CONVERT TO INJECTION ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

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 intends to convert this well to injection, per the attached procedure. Order WFX-913 was issued 6/28/2013 (R-12981).

Spud Date:

7/4/1947

Rig Release Date:

8/8/1947

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

SIGNATURE

Reesa Fisher

TITLE Sr. Staff Reg Analyst

DATE 5/8/2014

Type or print name Reesa Fisher

E-mail address: Reesa.Fisher@apachecorp.com

PHONE: (432) 818-1062

For State Use Only

Petroleum Engineer

APPROVED BY:

[Signature]

TITLE

DATE

05/14/14

Conditions of Approval (if any):

MAY 14 2014

## **WBDU 77 (API: 30-025-06618) Proposed Procedure**

### **Drill out Bridge Plugs, Retrieve Permanent Packer, Deepen Well, Run Liner, and Convert Well to Injection in the Drinkard Formation**

**May 8, 2014**

**Day 1:** MIRU SR. POOH and LD pump and rods. ND WH and NU BOPs. POOH and LD 2-3/8" production tubing.

**Day 2:** PU & RIH w/CIBP on 2-7/8" work string. Set CIBP at +/-3000', circulate well, POOH

MIRU WL, log well with GR/CBL/CCL from +/-3000' to surface, POOH. RIH w/ casing punch and perforate casing above TOC, POOH

Establish circulation behind 5-1/2" casing to surface

**Day 3:** PU & RIH w/ cement retainer on 2-7/8" work string and set retainer

MIRU cementers, cement 5-1/2" casing to surface with +/-500 sacks (estimated, 25% excess slurry, confirm volumes) of Class C cement (weight 14.8 ppg, yield 1.33 cf/sack). POOH w/ 2-7/8" work string. WOC

**Day 4:** PU & RIH w/ bit on 2-7/8" work string, drill out cement, cement retainer, and CIBP

RIH & drill out cement and CIBPs @ +/-6118' and +/-6331'

**Day 5:** Continue to drill out cement and CIBPs, RIH to top of permanent packer @ +/-6484', circulate clean and POOH

**Day 6:** PU & RIH w/ washover shoe and wash pipe on 2-7/8" work string to +/-6570'. Attempt to wash over/cut over and retrieve packer

**Day 7:** Cont. to attempt to wash over/cut over and retrieve packer

**Day 8:** Wash over/cut over and retrieve packer, POOH

**Day 9:** PU & RIH w/ bit on 2-7/8" work string. Clean well out to TD @ +/-6629', circulate LCM as necessary

**Day 10:** Cont. to Clean well out to TD @ +/-6629', circulate LCM as necessary. Drill well out to new TD @ +/-6720', circulate LCM as necessary

**Day 11:** Cont. to drill well out to new TD @ +/-6720', circulate LCM as necessary. Circulate wellbore clean and POOH and LD 2-7/8" work string

**Day 12:** MIRU WL, run GR/CNL/CBL/CCL log from PBTD to surface, POOH. Send logs to Midland

**Day 13:** RU casing crew and equipment and RIH with 4-1/2" 11.6 lb/ft flush joint casing with float collar and float shoe to +/- 6720'

RU cementers, perform single stage cement job to surface consisting of 20 bbl fresh water flush, 40 bbl seal bond LCM spacer, and 200 sacks of Class C cement + additives (weight 14.2 ppg, yield

1.31 cf/sack, volume 45.5 bbls, 50% excess slurry). Displace with 105 bbls fresh water (confirm all volumes)

**Day 14:** WOC

**Day 15:** RIH w/ 3-3/4" bit on 2-3/8" work string. Drill out float collar and cement to +/- 6705'. Circulate clean. POOH

**Day 16:** MIRU WL and RIH w/ GR/CBL/CCL, log well from TD to surface, POOH

PU and RIH w/ 3-3/8" TAGs loaded with SDP charges and perforate the Drinkard @ 4 SPF, 90 deg phasing (estimated 70', 280 shots), POOH

PU and RIH w/ treating packer on 2-3/8" work string

**Day 17:** Cont. RIH w/ treating packer on 2-3/8" work string. Set packer @ +/-6450'

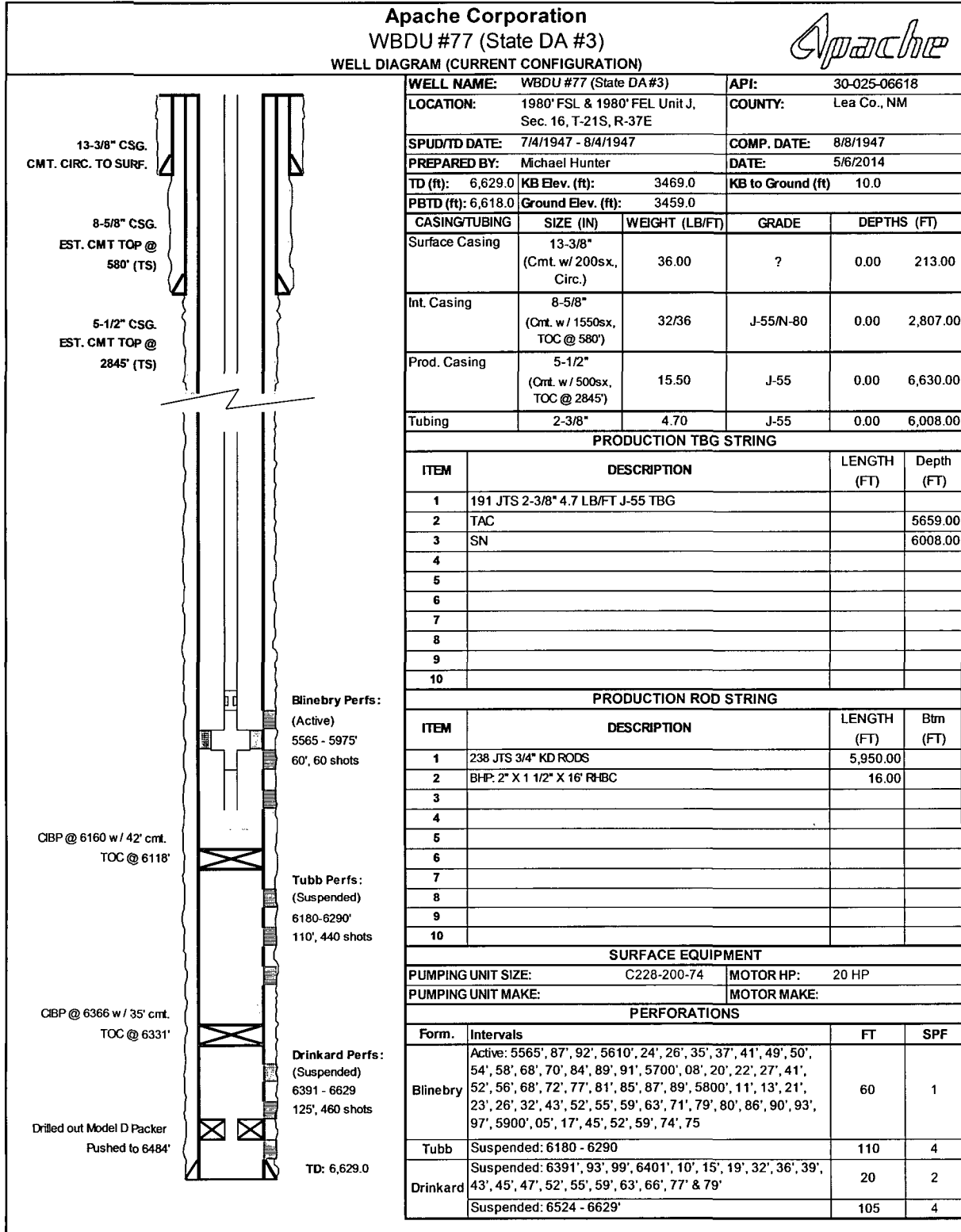
MIRU acidizers. Acidize the Drinkard w/10,000 gals 15% HCl and rock salt in 3 equal stages @ +/- 8 BPM. Release packer. Wash out salt. POOH

**Day 18:** PU and RIH with 4-1/2" injection packer with 2-3/8" IPC tubing subs, upper and lower profile nipples, and on/off tool on 2-3/8" work string. Set packer @ +/-6450'. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string

**Day 19:** PU & RIH w/2-3/8" IPC injection tubing and on/off tool. Circulate packer fluid and latch onto packer with on/off tool. ND BOPs and NU WH. Pressure test casing to 500 psi. RDMO SR

**Day 20:** Perform MIT test for NM OCD. Place well on injection

# Current Wellbore Diagram



# Proposed Wellbore Diagram

