

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 01 2014

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMLC 90161

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Apache Corporation (873)

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

3b. Phone No. (include area code)
432/818-1062

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 660' FEL UL P Sec 9 T21S R37E

7. If Unit of CA/Agreement, Name and/or No.
WBDU

8. Well Name and No.
West Blinbry Drinkard Unit (WBDU) #037 / 37346

9. API Well No.
30-025-06439

10. Field and Pool or Exploratory Area
Eunice; B-T-D, North (22900)

11. County or Parish, State
Lea County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Apache would like to run a liner and convert this well to injection, pending the issuance of NMOCD injection permit.

**MAY NOT INJECT UNTIL NMOCD INS PERMITS
IS APPROVED**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Reesa Fisher

Title Sr. Staff Reg Analyst

Signature

Reesa Fisher

Date 04/24/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Petroleum Engineer

MAY 07 2014

Conditions of approval, if any,
that the applicant holds legal c
entitle the applicant to conduci

Title 18 U.S.C. Section 1001:
fictitious or fraudulent stateme

(Instructions on page 2)

OCD Conditions of Approval ==
Accepted for **RECORD ONLY**. All Federal
forms requires BLM Approval.

fully to make to any department or agency of the United States any false,

MAY 07 2014

Proposed Procedure

WBDU 37 (API: 30-025-06439): Run Liner and Convert Well to Injection in the Drinkard Formation

April 24, 2014

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

PU and RIH w/2-7/8" work string and bit

Day 2: Cont. RIH w/ 2-7/8" work string & bit to PBTD, clean well out as necessary and circulate LCM

Day 3: Cont. to clean well out to PBTD and circulate LCM. Circulate wellbore clean and POOH and LD 2-7/8" work string

Day 4: MIRU WL, run GR/CNL/CBL/CCL log from PBTD to surface, POOH. Send logs to Midland

Day 5: RU casing crew and equipment and RIH with 4-1/2" 11.6# LTC 8 RD J-55 casing with DV tool (set at +/-5500'), float collar, and float shoe to +/- 6750'. Perform two stage cement job to surface as follows:

- a. Pump first stage consisting of 10 bbl fresh water flush, 40 bbl seal bond LCM spacer, and 180 sacks of 50:50 Fly Ash (Pozzolan):Class C cement + additives (weight 14.2 ppg, yield 1.31 cf/sack, volume 42 bbls, 50% excess slurry)
- b. Drop plug, displace with 105 bbl fresh water (confirm volumes) and bump plug. Drop dart, open stage tool
- c. Circulate through stage tool with fresh water until setting time for first cement stage has elapsed
- d. Pump second cement stage consisting of 20 bbl fresh water flush, lead slurry of 330 sacks 35:65 Fly Ash (Pozzolan):Class C cement + additives (weight 12.5 ppg, yield 2.13 cf/sack, 125.5 bbl), tail slurry of 100 sacks of class C cement + additives (weight 14.8 ppg, yield 1.33 cf/sack, 23.7 bbl)
- e. Drop stage tool plug, displace with 85.4 bbl fresh water (confirm volumes)

Day 6: WOC

Day 7: PU & RIH w/ 3-3/4" bit on 2-3/8" work string. Drill out stage tool, float collar and cement to +/- 6735'. Circulate clean. POOH

Day 8: 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 9: Cont. RIH w/ treating packer on 2-3/8" work string. Set packer @ +/-6500'

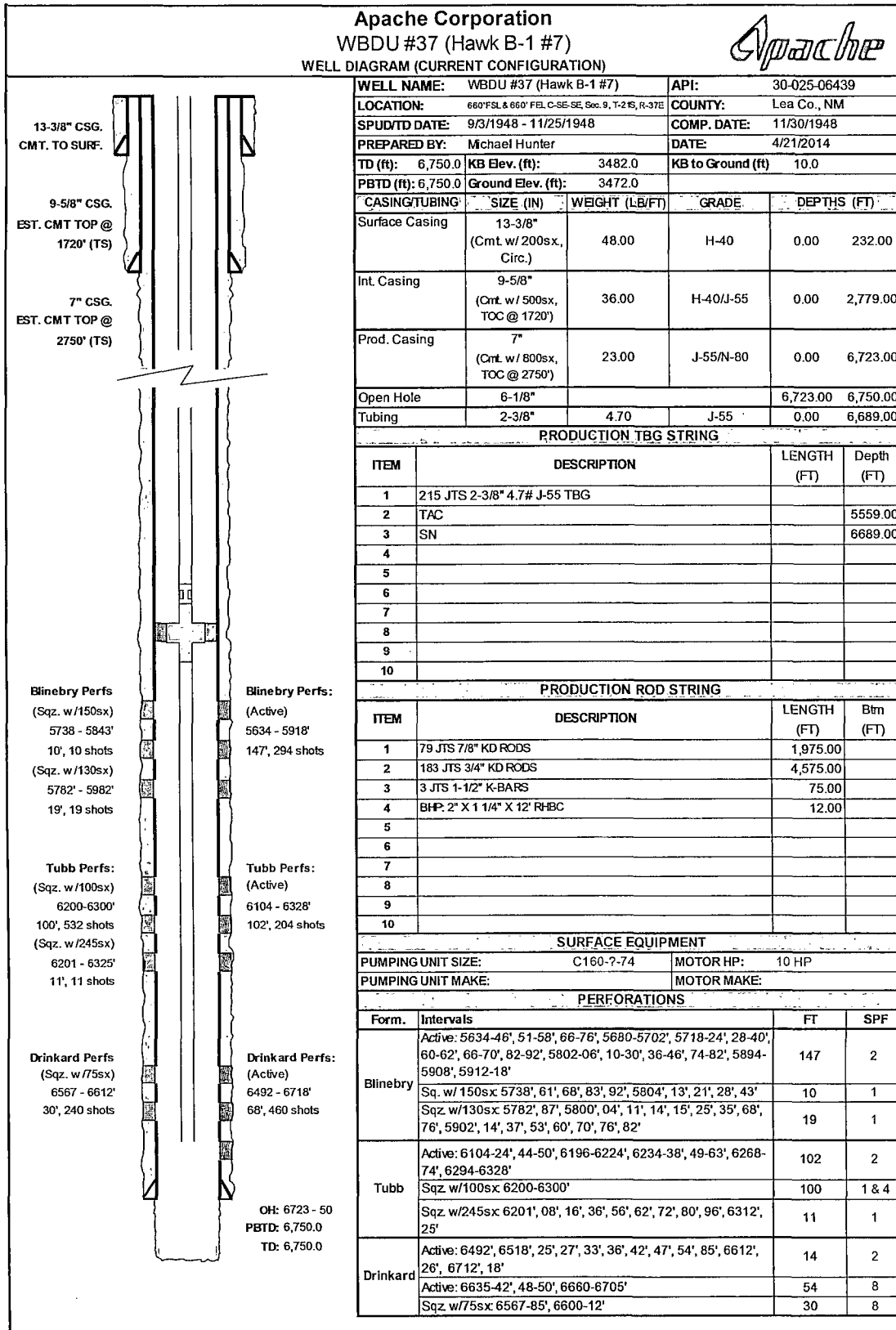
MIRU acidizers. Acidize the Drinkard w/10,000 gals 15% HCl and rock salt in 3 equal stages @ +/- 8 BPM. Release packer. Wash out salt. POOH

Day 10: 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 @ +/-6500'. Pressure test casing to 500 psi. POOH and LD 2-3/8" work string

Day 11: 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 12: Perform MIT test for NM OCD. Place well on injection

Current Wellbore Diagram



Proposed Wellbore Diagram

