

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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

HOBBS OCD

5. Lease Serial No.
NML 90161

6. If Indian, Allottee or Tribe Name

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.

MAY 9 2013

SUBMIT IN TRIPLICATE - Other instructions on page 2. RECEIVED

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator
Apache Corporation (873)

3a. Address
303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1040' FSL & 1470' FWL UL N Sec 9 T21S R37E

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

8. Well Name and No.
West Blinbry Drinkard Unit (WBDU) #045 (37346)

9. API Well No.
30-025-36344

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 checked="" 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 checked="" 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 checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>ADD PAY</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input 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 proposes to add pay to the Drinkard, acidize the Blinbry and Drinkard, and fracture stimulate the Drinkard formation for the first time, per the attached procedure. Also attached are current and proposed wellbore diagrams.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

Reesa Holland

Title Sr. Staff Reg Tech

Signature

Reesa Holland

Date 04/02/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

K2



Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

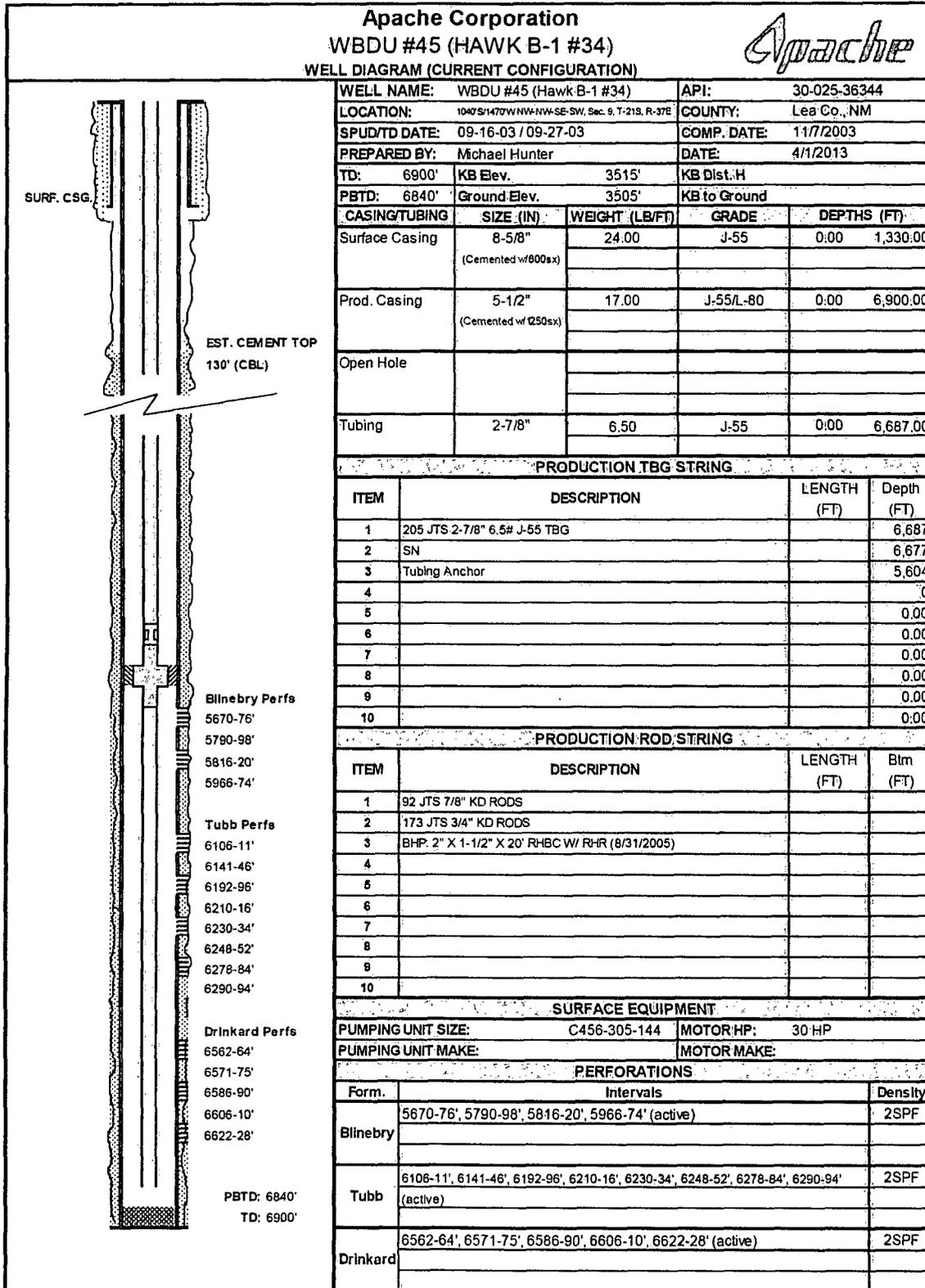
JUN 11 2013

A2. WBDU 45 Proposed Procedure

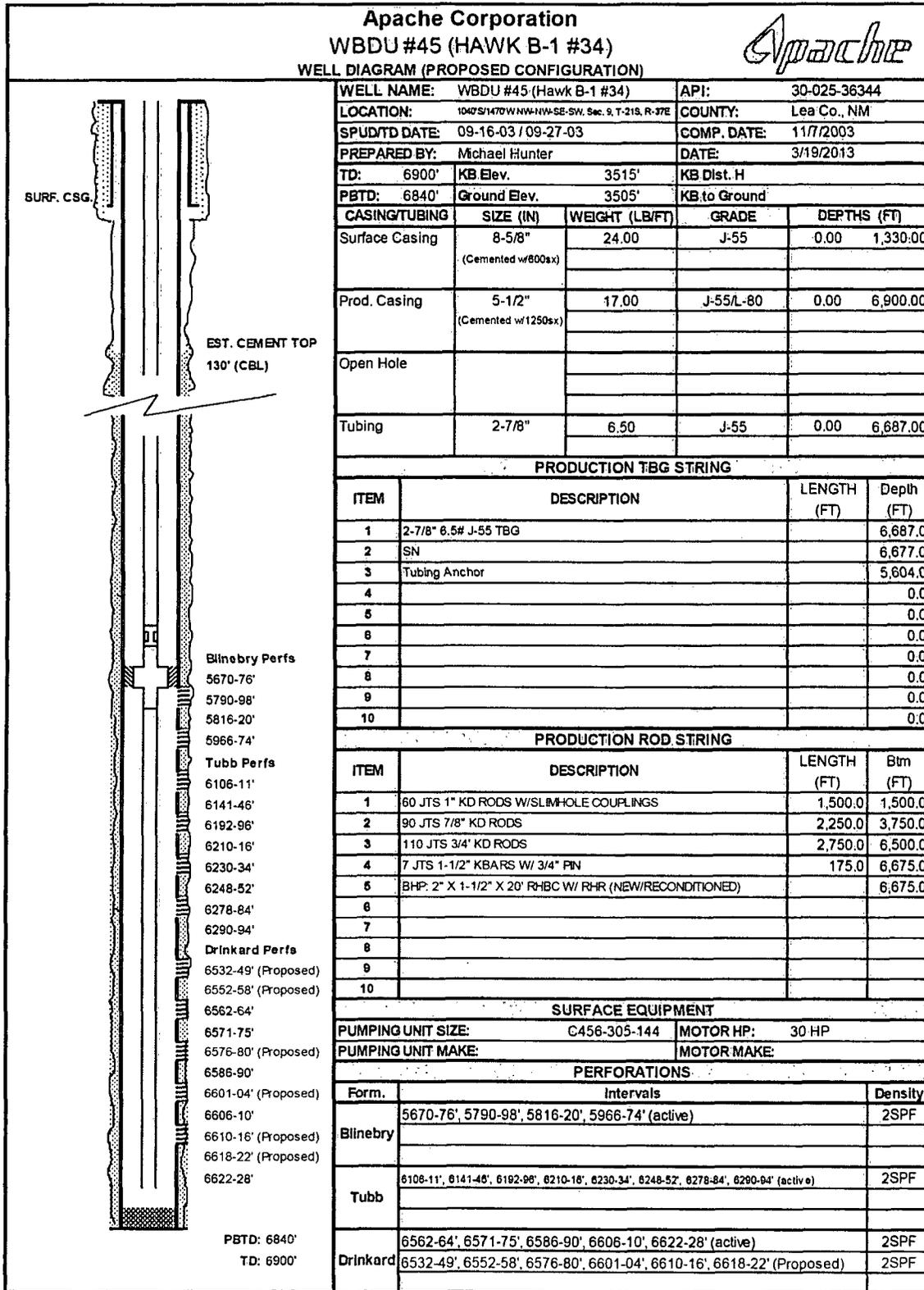
Add perforations to the Drinkard, Acidize the Blinebry and Drinkard, and Fracture the Drinkard

1. MIRU. POOH w/ rods and pump. Install BOP. TFF and POOH w/ 2-7/8" tbg
2. RIH w/ 4-3/4" bit, csg. scraper on 2-7/8" tbg. RIH to +/-6840' PBTD. Clean well out as necessary to +/-6750'. POOH
3. RU wireline unit. Perforation depths based on a datum elevation of 3515' (KB elevation). Openhole logs with proposed perforations will be provided for correlation
4. Perforate the Drinkard from 6532-49', 6552-58', 6576-80', 6601-04', 6610-16', 6618-22' w/2 SPF, 120 deg phasing (40 total ft, 80 total shots)
5. RIH w/RBP and treating packer on 2-7/8" tbg. Set RBP @ +/-6700'. Set pkr @ +/-6450'
6. Acidize the Drinkard w/7,500 gals 15% HCl-NE-FE BXDX acid and rock salt in three equal stages. Release pkr. Wash out salt. Release RBP
7. Re-set RBP @ +/-6030', set pkr @ +/-5600'
8. Acidize the Blinebry interval w/3,000 gals 15% HCl-NE-FE BXDX acid and rock salt in two equal stages. Release pkr. Wash out salt. Release RBP. POOH
9. RIH w/ treating packer on 3-1/2" N-80 ws. Set pkr @ +/- 6450'
10. Pump 1 drum corrosion inhibitor and 2 drums scale inhibitor ahead of frac
11. RU frac equipment. Frac the Drinkard w/150,000# 20/40 SLC resin coated sand down 3-1/2" ws @ 30+ BPM in 35# XL gel as per frac recommendation
12. Rel pkr and POOH, LD 3-1/2" ws
13. RIH w/ bit on 2-7/8" tbg. Clean well out to PBTD +/-6840'. POOH
14. RIH w/SN and 2-7/8" prod tbg. to +/- 6675'
15. RIH w/ 1-1/2" pump and rods
16. Return well to production. Place well in test

A4. Current DH Diagram



A5. Proposed DH Diagram



West Blinebry Drinkard Unit #45
30-025-36344
Apache Corporation
May 16, 2013
Conditions of Approval

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by August 16, 2013.

- 1. Must conduct a casing integrity test before any work can be done. Submit results to BLM.**
- 2. A CIT is to be performed on the production casing per Onshore Oil and Gas Order 2.III.B.1.h.**
- 3. Make arrangements 24 hours before the test for BLM to witness. E-mail Paul R. Swartz pswartz@blm.gov or phone 575-200-7902, if there is no response, 575-361-2822. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number. Note the contact, time, & date in your subsequent report.**
- 4. If CIT does not fail work is approved as proposed by operator.**
5. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
6. Surface disturbance beyond the originally approved pad must have prior approval.
7. Closed loop system required.
8. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
9. Operator to have H2S monitoring equipment on location.

10. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

11. Subsequent sundry required detailing work done and completion report. Operator to include well bore schematic of current well condition when work is complete.

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