

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

JUN 27 2016

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

RECEIVED

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |   |  |
|--|---|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |   | 5. Lease Serial No.<br>NMLC032096A                         |
| 2. Name of Operator<br>APACHE CORPORATION<br>Contact: REESA FISHER<br>E-Mail: Reesa.Fisher@apachecorp.com                        |   | 6. If Indian, Allottee or Tribe Name                       |
| 3a. Address<br>303 VETERANS AIRPARK LANE SUITE 3000<br>MIDLAND, TX 79705   | 3b. Phone No. (include area code)<br>Ph: 432-818-1062 | 7. If Unit or CA/Agreement, Name and/or No.<br>NMNM120042X |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 17 T21S R37E NENE 110FNL 180FEL                    |   | 8. Well Name and No.<br>WEST BLINEBRY DRINKARD UNIT 70     |
|  |   | 9. API Well No.<br>30-025-38205                            |
|  |   | 10. Field and Pool, or Exploratory<br>EUNICE; B-T-D, NORTH |
|  |   | 11. County or Parish, and State<br>LEA COUNTY COUNTY, NM   |

**12. CHECK 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 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 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall 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 CO, add pay and acidize, per the attached procedure.

|  |                                   |
|--|-----------------------------------|
| 14. I hereby certify that the foregoing is true and correct.<br><b>Electronic Submission #342620 verified by the BLM Well Information System<br/>For APACHE CORPORATION, sent to the Hobbs</b> |                                   |
| Name (Printed/Typed) REESA FISHER  | Title SR STAFF REGULATORY ANALYST |
| Signature (Electronic Submission)  | Date 06/20/2016                   |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |             |              |
|---|-------------|--------------|
| Approved By _____   | Title _____ | Date _____   |
| 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. |             | Office _____ |

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Accepted for Record Only**

Pending BLM Approval - MBS/OCD 6/27/2016

## **WBDU 70 (API: 30-25-38205) Proposed Procedure**

### **Clean out, add pay, and acid stimulate Blinebry, Tubb, Drinkard**

- Day 1:** MIRU. NU HBOP. POOH w/pump and rods. Scan out of hole w/ 2-7/8" tubing. PU and RIH w/bit and drill collars on 2-7/8" work string.
- Day 2:** RU and break circulation with foam nitrogen unit. Clean out well to PBTD. Circulate clean. POOH and LD bit and drill collars.
- Day 3:** MIRU WL. RIH and perforate the Drinkard as per the attached sheet w/ 3-3/8" slick guns loaded w/ Owen TAG-3375-311SL charges (or similar) @ 1 SPF, 180 deg phasing (total 56 ft, 56 shots), POOH
- Day 4:** RIH w/ 2-7/8" work string, treating packer, and RBP. Set RBP at +/- 6,750'. Set packer at +/- 6,500'. Acidize the Drinkard formation down 2-7/8" work string w/5,000 gal of 15% HCl-NE-FE-BXDX acid w/scale inhibitor and rock salt @ +/- 10 BPM (max pressure = 4,000 psia). Release packer. Wash out salt.
- Retrieve RBP and PUH to 6,400'. Set RBP at +/- 6,400'. Set packer at +/- 5,950'. Acidize the Tubb/Blinebry formation down 2-7/8" work string w/3,000 gal of 15% HCl-NE-FE-BXDX acid w/scale inhibitor and rock salt @ +/- 10 BPM (max pressure = 4,000 psia). Release packer. Wash out salt.
- Retrieve RBP and PUH to 5,900'. Set RBP at +/- 5,900'. Set packer at +/- 5,600'. Acidize the Blinebry formation down 2-7/8" work string w/3,000 gal of 15% HCl-NE-FE-BXDX acid w/scale inhibitor and rock salt @ +/- 10 BPM (max pressure = 4,000 psia). Release packer. Wash out salt.
- Retrieve RBP. POOH w/ 2-7/8" work string, packer, and RBP. LD 2-7/8" work string.
- Day 5:** RIH w/ 2-7/8" tubing and SN to +/- 6,750'. Swab well for approximately 4 hours to flow back any scale and/or insoluble iron. RIH w/ pump and rods. Place well on production. RDMO.



| WBDU 70 Perforations           |      |        |      |     |       |
|--------------------------------|------|--------|------|-----|-------|
| Guns: 3-3/8" TAG w/SDP Charges |      |        |      |     |       |
| Zone                           | Top  | Bottom | Feet | SPF | Shots |
| Drinkard                       | 6602 | 6606   | 5    | 1   | 5     |
| Drinkard                       | 6619 | 6630   | 12   | 1   | 12    |
| Drinkard                       | 6643 | 6647   | 5    | 1   | 5     |
| Drinkard                       | 6669 | 6680   | 12   | 1   | 12    |
| Drinkard                       | 6694 | 6703   | 10   | 1   | 10    |
| Drinkard                       | 6712 | 6723   | 12   | 1   | 12    |
| Total                          |      |        | 56   |     | 56    |



## Downhole Well Profile

Well Name: WBDU 70

Reference Datum: KB

|  |   |                                       |                                  |                                 |   |
|--|---|---------------------------------------|----------------------------------|---------------------------------|---|
| AP/OWI<br>3002538205                     | Surface Legal Location<br>110' FRL, 130' FEL, Unit A, Sec 17, T-21... | Field Name<br>EUNICE AREA             | License #                        | State/Province<br>NEW MEXICO    | Well Purpose<br>PUD                     |
| Spud Date<br>3/6/2007 18:00              | Original Drilling Rig Release<br>3/16/2007 09:00                      | Original KB Elevation (ft)<br>3,508.0 | Ground Elevation (ft)<br>3,497.0 | KB-Ground Distance (ft)<br>11.0 | Casing Flange Elevation (ft)<br>3,497.0 |
| PBD (ft) (ftKB)<br>Original Hole - 6,878 |   |                                       | Total Depth All (TVD) (ftKB)     |                                 |   |

| PUD - LOCKHART A-17 25 - Original Hole, 5/2/2016 9:16:38 AM |                             |  |                     |           |                    |                  |                  |                      |                    |          |
|---|-----------------------------|--|---------------------|-----------|--------------------|------------------|------------------|----------------------|--------------------|----------|
| MD<br>(ftKB)  | Vertical schematic (actual) |  | Casing Strings      |           |                    |                  |                  |                      |                    |          |
|   |                             |  | Cog Des             | OD (in)   | Wt/Len (lb/ft)     | Grade            | Set Depth (ftKB) |                      |                    |          |
|   |                             |  | Surface             | 8 5/8     | 24.00              | J-55             | 1,302.0          |                      |                    |          |
|   |                             |  | Prod 1              | 5 1/2     | 17.00              | J-55             | 6,925.0          |                      |                    |          |
| Tubing Strings  |                             |  |                     |           |                    |                  |                  |                      |                    |          |
|   |                             |  | Tubing Description  | Run Date  | String Length (ft) | Set Depth (ftKB) |                  |                      |                    |          |
|   |                             |  | Tubing - Production | 7/3/2013  | 6,728.28           | 6,739.3          |                  |                      |                    |          |
|   |                             |  | Item Des            | Jts       | Make               | Model            | OD (in)          | Wt (lb/ft)           | Grade              | Len (ft) |
|   |                             |  | Tubing              |           |                    | T&C Upset        | 2 7/8            | 6.50                 | J-55               | 5,553.37 |
|   |                             |  | Anchor/catcher      |           |                    |                  | 5 1/2            |                      |                    | 2.7      |
|   |                             |  | Tubing              |           |                    | T&C Upset        | 2 7/8            | 6.50                 | J-55               | 1,138.63 |
|   |                             |  | Blast Joint         |           |                    |                  | 2 7/8            | 6.50                 | J-55               | 32.48    |
|   |                             |  | Seat Nipple         |           |                    |                  | 2 7/8            |                      |                    | 1.10     |
| Rod Strings   |                             |  |                     |           |                    |                  |                  |                      |                    |          |
|   |                             |  | Rod Description     | Run Date  | String Length (ft) | Set Depth (ftKB) |                  |                      |                    |          |
|   |                             |  | Rod                 | 4/11/2014 | 6,714.8            | 6,714.8          |                  |                      |                    |          |
|   |                             |  | Item Des            | Jts       | Make               | Model            | OD (in)          | Wt (lb/ft)           | Grade              | Len (ft) |
|   |                             |  | Polished Rod        |           | Norris             | Stainless Steel  | 1 1/2            |                      |                    | 26.00    |
|   |                             |  | Sucker Rod          |           | Norris             | Grade 40         | 1                | 2.90                 | KD                 | 6.00     |
|   |                             |  | Sucker Rod          |           |                    |                  | 1                | 2.90                 | KD                 | 8.00     |
|   |                             |  | Sucker Rod          |           |                    |                  | 1                | 2.90                 | KD                 | 1,550.00 |
|   |                             |  | Sucker Rod          |           | Norris             | Grade 40         | 7/8              | 2.22                 | K                  | 1,950.00 |
|   |                             |  | Sucker Rod          |           | Norris             | Grade 40         | 3/4              | 1.63                 | K                  | 3,150.00 |
|   |                             |  | Right Hand Release  |           |                    |                  | 3/4              |                      |                    | 0.80     |
|   |                             |  | Rod Pump            |           |                    |                  | 2                |                      |                    | 24.00    |
| Other In Hole   |                             |  |                     |           |                    |                  |                  |                      |                    |          |
|   |                             |  | Description         |           | OD (in)            | Top (ftKB)       | Run Date         |                      |                    |          |
|   |                             |  |                     |           |                    |                  |                  |                      |                    |          |
| Perforations  |                             |  |                     |           |                    |                  |                  |                      |                    |          |
|   |                             |  | Date                | Type      | Top (ftKB)         | Btm (ftKB)       | Prop?            | Shot Dens (shots/ft) | Entered Shot Total |          |
|   |                             |  | 4/11/2007           | Blinebry  | 5,642              | 5,646            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/11/2007           | Blinebry  | 5,676              | 5,680            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/11/2007           | Blinebry  | 5,854              | 5,858            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/11/2007           | Blinebry  | 5,898              | 6,002            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/11/2007           | Blinebry  | 6,060              | 6,064            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/6/2007            | Tubb      | 6,258              | 6,260            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/6/2007            | Tubb      | 6,304              | 6,310            | No               | 2.0                  | 14                 |          |
|   |                             |  | 4/6/2007            | Tubb      | 6,336              | 6,340            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/4/2007            | Drnkard   | 6,548              | 6,552            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/4/2007            | Drnkard   | 6,612              | 6,616            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/4/2007            | Drnkard   | 6,634              | 6,638            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/4/2007            | Drnkard   | 6,662              | 6,666            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/4/2007            | Drnkard   | 6,684              | 6,688            | No               | 2.0                  | 10                 |          |
|   |                             |  | 4/4/2007            | Drnkard   | 6,705              | 6,709            | No               | 2.0                  | 10                 |          |
| Plug Back Total Depths                                      |                             |  |                     |           |                    |                  |                  |                      |                    |          |
|   |                             |  | Date                | Type      |                    |                  |                  | Depth (ftKB)         | Depth (TVD) (ftKB) |          |
|   |                             |  | 3/15/2007           |           |                    |                  |                  | 6,878                | 6,878              |          |
| Comments  |                             |  |                     |           |                    |                  |                  |                      |                    |          |
| Comment   |                             |  |                     |           |                    |                  |                  |                      |                    |          |

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