

OCD-HOBBS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

HOBBS OCD
JUL 06 2017
RECEIVED

5. Lease Serial No.
NMLC032096A ✓

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement Name and/or No.
NMNM120042X ✓

1. Type of Well
 Oil Well Gas Well Other: UNKNOWN OTH

8. Well Name and No.
WEST BLINEBRY DRINKARD UNIT 145

2. Name of Operator
APACHE CORPORATION
Contact: REESA FISHER
E-Mail: Reesa.Fisher@apachecorp.com

9. API Well No.
30-025-43229-00-X1 ✓

3a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

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

10. Field and Pool or Exploratory Area
EUNICE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 17 T21S R37E SENE 1780FNL 940FEL ✓

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"/> Hydraulic Fracturing | <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 checked="" type="checkbox"/> Other | |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Production Start-up | |
| | <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 recomplete 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 recompletion 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 complete this injection well, per the attached procedure.

Well completed without approval

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #368516 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 03/03/2017 (17PP0271SE)

Name (Printed/Typed) REESA FISHER

Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission)

Date 03/01/2017

ACCEPTED FOR RECORD

03/01/2017

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

BUREAU OF LAND MANAGEMENT

JUN 5, 2017
Paul H. Swartz

CARLSBAD FIELD 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.

(Instructions on page 2)

** BLM REVISED **

KS

WBDU #145W - D: Drinkard Completion



Procedure Date: February 28, 2017

AFE: 11-16-1728-CP

AFE: 11-16-1728-EQ

API: 30-025-43229

1780' FNL & 940' FEL, Unit P

Section 17, Township 21S & Range 37E

Lea County, New Mexico

TD: 6,868' MD/6857' TVD

GL Elev: 3,477'

KB Elev: 3,490'

Production Casing:

Size: 5-1/2" Weight: 17 lb/ft Grade: L-80 ID: 4.892" Capacity: 0.0232 bbl/ft

Float shoe: 6,866.7' Float Collar: 6,819.4' Marker Jt.: 5,549.2'

Cement: 1,330 sx (circ. 125 sx)

Max pressure: 7,500 psi (~ 70% Burst Pressure of 2-7/8" L-80 Workstring)

Recommended Procedure

Day 1: MIRU.NUHBOP. RIH w/ 2-7/8" L-80 work string and bit. Tag top of float collar @ 6619'. Circulate wellbore bottoms up with fresh water. POOH w/ work string.

Day 2: MIRU WL. RIH w/ cased hole RCBL/CCL logging equipment. Log from PBTB to surface. POOH. RIH w/ 3-1/8" guns and correlate depths to Halliburton CNL/GR log run 2/24/2017.

Perforate Drinkard as per the attached sheet w/ 3-1/8" slick guns loaded w/ Owen SDP charges @ 3 SPF, 120 deg phasing (total 80', 240 shots). POOH.

Day 3: RIH w/ 2-7/8" L-80 work string with treating packer while hydro testing tubing to 7500 psi. Set packer at +/- 6,550'.

Acidize the Drinkard formation down 2-7/8" work string w/ 10,000 gal of 15% HCl acid w/scale inhibitor and rock salt.

- Max Rate: 10-11 BPM
- Max Pressure: 7500 psi
- Drop rock salt after every **2000** gals of acid
 - Wait for formation breakdown if having trouble establishing max rate (10 BPM) at max pressure (7500 psi). Do not drop salt if formation does not break.
 - If treating pressures are at/below 2500 psi after acid hits formation, drop at least 2000 lbs of rock salt
 - For remaining stages, be relatively aggressive with diversion

Release packer. Wash out salt. POOH and lay down treating packer.

- Day 4:** RIH w/ AS-1X packer on work string and set packer at +/- 6560'. POOH and lay down work sting.
 RIH w/ 2-3/8" 1505 J-55 IPC coated tubing. Circulate packer fluid. Latch onto packer. Test casing to 500 psi. NDBOP. NUWH. RDMO.
- Day 5:** Perform MIT witnessed by NMOCD. Start well on injection.

| WBDU 145W Perforations | | | | | |
|---------------------------------------|------------|---------------|-------------|------------|--------------|
| Guns: 3-1/8" TAG w/SDP Charges | | | | | |
| Zone | Top | Bottom | Feet | SPF | Shots |
| Drinkard | 6592 | 6597 | 6 | 3 | 18 |
| Drinkard | 6600 | 6606 | 7 | 3 | 21 |
| Drinkard | 6609 | 6614 | 6 | 3 | 18 |
| Drinkard | 6615 | 6627 | 13 | 3 | 39 |
| Drinkard | 6633 | 6636 | 4 | 3 | 12 |
| Drinkard | 6644 | 6661 | 18 | 3 | 54 |
| Drinkard | 6665 | 6671 | 7 | 3 | 21 |
| Drinkard | 6678 | 6682 | 5 | 3 | 15 |
| Drinkard | 6684 | 6697 | 14 | 3 | 42 |
| Total | | | 80 | | 240 |