

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**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.*FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 20185. Lease Serial No.
NMNM90161

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM120042X8. Well Name and No.
WEST BLINEBRY DRINKARD UNIT 399. API Well No.
30-025-0644110. Field and Pool or Exploratory Area
EUNICE; B-T-D, NORTH11. County or Parish, State
LEA COUNTY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: INJECTION2. Name of Operator
APACHE CORPORATIONContact: REESA FISHER
E-Mail: Reesa.Fisher@apachecorp.com3a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-1062

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

Sec 9 T21S R37E SWSW 660FSL 660FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 Workover Operations
	<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 performed the following:

11/28/2016 MIRUSU

11/29/2016 Tbg stuck in pkr @ 5600'. MIRUWL to chem cut tbg @ 5532'.

11/30/2016-

12/06/2016 RIH w/shoe to mill on pkr/junk.

12/07/2016 POOH w/shoe, RIH w/overshot to latch onto fish. POOH w/fish, recovered pkr.

12/08/2016 RIH w/scraper, tag @ 6571'.

12/09/2016 RIH w/pkr & plug to set plug @ 6468'.

12/12/2016 Test; no leaks. RIH w/cement retainer.

12/13/2016 Set retainer @ 5553'; test lines. Pump 500 sx 14.8# cmt. WO to dry.

12/14/2016 Tag @ 5526', DO cmt ret.

12/15-21/2016 DO cement.

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

**Electronic Submission #367555 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Hobbs**

Name (Printed/Typed) REESA FISHER

Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/20/2017

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 _____	

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)

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

Additional data for EC transaction #367555 that would not fit on the form

32. Additional remarks, continued

12/22/2016 Test csg; POOH w/bit.
12/23/2016 RIH w/pkr.
12/27/2016 Test csg; tried to pump into and couldn't.
01/03/2017 Circ fresh water; POOH w/pkr.
01/04/2017 Pump 16 bbls micro fine cement; POOH w/pkr to 5553'.
01/05/2017 Cement not dry.
01/06-09/2017 DO cement.
01/10/2017 Tag sand @ 6468', washed 7' of sand; circ clean.
01/11/2017 Tag & POOH w/RBP @ 6468'.
01/12-17/2017 CO fill.
01/18/2017 POOH w/bit & tools.
01/19/2017 Log from 5350' to TD.
01/23/2017 Perf Drinkard @ 6602-43', 48-52', 61-69', 76-88', 6695-6706' w/4 SPF, 324 shots.
01/24/2017 Acidize Drinkard w/10,000 gal 15% acid & 5500# rock salt.
01/25/2017 POOH w/treating pkr & RIH to set 7" Inj Pkr @ 5560'.
01/26/2017 MIRUTT Test 2-3/8" IPC in hole. Had to change out bad jts & bad wellhead.
01/27/2017 Cont RIH w/2-3/8" IPC tbg to 5560'. Circ pkr fluid. Will test well with OCD witness at same time as well #'s 38 & 42.
02/15/2017 Run OCD witnessed MIT; chart & bradenhead report attached.

MIDNIGHT

Graphic Controls

DATE

2-15-17

BR 2221

NOON

6 AM

6 PM

PRINTED IN U.S.A.

32 min
Kerry
Parker Energy
End 430H

Start 435H
60 min
1000H
Ser # 5162
Cal 8-416
Record

4C (M) 9 215 37E
30-025-0649
WBD 4 #3 Corporation

APAC 4P
ST 1-700
51-600

End



1/25/2017

Phillip R Goetze, PG
Oil Conservation Division
Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Request for Injection Interval Amendment for WBDU #39W (30-025-06441)

Dear Mr. Goetze:

The West Blinebry Drinkard Unit (WBDU) is currently undergoing an extensive conformance project to isolate the Drinkard formation and inject all produced/makeup water into this zone. Most of the conformance work in the area has permitted Apache to run a 4-1/2" liner from PBTD to surface to shut off the Blinebry and Tubb and isolate the Drinkard for Injection, with the exception of a few federal injection wells, including the WBDU #39W.

The WBDU #39W is an active Blinebry, Tubb and Drinkard well that was converted to injection in 2009. Running a 4-1/2" liner from PBTD to surface was cost prohibitive, so Apache attempted to cement squeeze the Blinebry from 5636'-6058'. The initial Blinebry squeeze was pumped through a cement retainer using 500 sacks of cement. The wellbore was cleaned out and tested to 500 psi but lost 180 psi after 5 minutes. Micro matrix was then spotted across the Blinebry and squeezed into the tight leak. This squeeze was also unsuccessful, losing 80 psi in 10 minutes.

Due to escalating costs, Apache would like to request an amendment to the injection interval to allow the injection packer to be set above the squeezed Blinebry perforations (+/-5600'). It is believed that the majority of the water will be injected into the Drinkard formation, with a minimal amount of fluid leaking off into the Blinebry. This should have minimal impact on the waterflood pattern performance, and an injection profile log will be collected after the work is performed to confirm these suspicions.

If you have any questions, please feel free to email me at kris.hasselbach@apachecorp.com or call my office directly at 432.818.1957.

Sincerely,

A handwritten signature in black ink, appearing to read "Kris Hasselbach".

Kris Hasselbach
Apache Corporation
Production Engineer – Permian Region