

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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.*

FEB 23 2017

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		5. Lease Serial No. NMNM90161
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No. NMNM120042X
3b. Phone No. (include area code) Ph: 432-818-1062		8. Well Name and No. WEST BLINEBRY DRINKARD UNIT 42
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T21S R37E NESE 1980FSL 660FEL		9. API Well No. 30-025-20178
		10. Field and Pool or Exploratory Area EUNICE; B-T-D, NORTH
		11. County or Parish, State LEA COUNTY COUNTY, NM

**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 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 performed the following:

12/15/2016 MIRUSU Pkr stuck.  
12/16/2016 Free point tbq.  
12/19/2016 RIH w/shoe to wash over pkr.  
12/20/2016 Rel & POOH w/pkr, RIH w/bit & scraper.  
12/21/2016 POOH w/scraper, RIH w/plug & pkr.  
12/22/2016 POOH w/pkr, Set new RBP @ 6200'. Tested good. Dump 3 sx sand on RBP.  
12/23/2016 RIH w/cmt ret to 5673'.  
12/27/2016 Pump 35 bbls 14.8# cmt thru cmt ret.  
01/03/2017 Test lines. Pump 400 sx 14.8# cmt; sting out of CR. WO cmt to dry.  
01/04/2017 Tag cmt @ 5543'. DO cmt & CR. Cmt soft; circ clean.  
01/05-09/2017 DO cement.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #367554 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Hobbs</b>	
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 \*\*****Accepted for Record Only**  
*requires BLM approval*

## Additional data for EC transaction #367554 that would not fit on the form

### 32. Additional remarks, continued

01/10/2017 RIH w/ret head to 6180', wash sand on top of RBP. POOH w/RBP, PU bit & tools to tag @ 6473'. CO fill to PBTD @ 6788'; circ clean.  
01/11/2017 Log well from 5475-6788'  
01/12/2017 POOH LD WS  
01/13/2017 RIH w/2-3/8" IPC tbg to 5550'. WO permits.  
01/30/2017 POOH w/2-3/8". RIH to perf Drinkard, guns got stuck @ 6552'.  
01/31/2017 RIH w/overshot to fish perf guns.  
02/01/2017 RIH w/bit to CO.  
02/02/2017 Tag PBTD @ 6788'. Perf Drinkard @ 6482-88', 90-98', 6502-06', 09-17', 77-80', 83-93', 6598-6601', 04-10', 12-17', 20-32', 39-52', 57-60', 63-76', 91-95' w/4 SPF, 448 shots.  
02/03/2017 Acidize Drinkard w/10,000 gal 15% acid & 1750# rock salt.  
02/06/2017 RIH w/7" Inj Pkr & set @ 5700'. Backside tested good.  
02/07/2017 MIRUTT test 2-3/8" IPC tbg in hole to 5700'; circ packer fluid.  
02/08/2017 Test csg; no leaks. Will test well with OCD witness at same time as well #'s 38 & 39.  
02/15/2017 Run OCD witnessed MIT; chart & bradenhead report attached.



PRINTED IN U.S.A.

MIDNIGHT

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Graphic Controls

DATE 2-15-17  
BR 2221

NOON

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START  
POST WORKOVER  
APACHE CORP  
WEST BLINDBURY DRILLING  
30-025-20170  
WILLIAMS 9215375  
SERV 5160  
CCL 21416  
30-025-20170  
WILLIAMS 9215375  
SERV 5160  
CCL 21416

APACHE CORP  
WEST BLINDBURY DRILLING  
30-025-20170  
WILLIAMS 9215375  
SERV 5160  
CCL 21416  
30-025-20170  
WILLIAMS 9215375  
SERV 5160  
CCL 21416

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 #42W (30-025-20178)

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 #42W.

The WBDU #42W 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 5781'-6043'. The initial Blinebry squeeze was pumped through a cement retainer using 500 sacks of cement. The well was cleaned out and the casing tested to 500 psi but lost 130 psi in 10 minutes. Additional squeezes were not performed since the additional squeezes on the WBDU #38W and WBDU #39W were costly and mostly unsuccessful.

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 (+/-5700'). 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](mailto: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