

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Hobbs Field Office**

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  
HOBBS OGD**

5. Lease Serial No.  
NMNM90161  
Indian, Allottee or Tribe Name

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

**JUN 18 2018**

**RECEIVED**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No. NMNM120042X
2. Name of Operator APACHE CORPORATION Contact: REESA FISHER E-Mail: Reesa.Fisher@apachecorp.com		8. Well Name and No. Multiple--See Attached
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1062	9. API Well No. Multiple--See Attached
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Multiple--See Attached		10. Field and Pool or Exploratory Area Multiple--See Attached
		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 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 intends to clean out, add Drinkard pay, run an isolation packer and conform injection into the Drinkard formation, per the attached procedure and WBD's.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #407131 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 03/16/2018 (18PP0766SE)</b>	
Name (Printed/Typed) REESA FISHER	Title SR STAFF REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/08/2018

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

Approved By <u>MUSTAFA HAQUE</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>06/07/2018</u>
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 Hobbs		

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 \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

*MSS/OGD  
6/14/2018*

## Additional data for EC transaction #407131 that would not fit on the form

### Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM90161	NMNM90161	HAWK B-1 04	30-025-09910-00-S1	Sec 9 T21S R37E NWSW 1980FSL 660FWL 32.491590 N Lat, 103.174396 W Lon
NMNM120042X	NMNM90161	WEST BLINEBRY DRINKARD UNIT 100-025-09910-00-S2	30-025-09910-00-S2	Sec 9 T21S R37E NWSW 1980FSL 660FWL 32.491590 N Lat, 103.174396 W Lon

### 10. Field and Pool, continued

EUNICE

**WBDU #35W (30-025-09910): Clean Out, Add Drinkard Pay, Run Isolation Packer and Conform Injection into the Drinkard Formation**

**March 7, 2018**

**Day 0:** Prior to start of workover: Schedule and install buried fiberglass injection line.

**Day 1:** MIRU. ND WH and NU BOPs. POOH and LD 2-3/8" IPC injection tubing and packer.

**Day 2:** RIH w/ 6-1/8" bit on 2-7/8" L-80 work string and clean out well to 6680'. RU Foam N2 Unit as required.

**Day 3:** Continue cleaning out well.

**Day 4:** Continue cleaning out well. Circulate well clean. POOH and LD bit and work string.

**Day 5:** Continue to LD bit and WS. MIRU WL. RIH w/ 5-1/8" guns and correlate depths with Gray Wireline Gamma Ray CCL Log Ran 5/12/2009.

Perf Drinkard interval (6500'-6670') at 2 SPF & 90° phasing.

PU and RIH w/ treating packer on 2-7/8" work string. Test tubing to 6500 psi.

**Day 6:** Cont. RIH w/ treating packer on 2-7/8" work string. Set packer @ +/-6350'

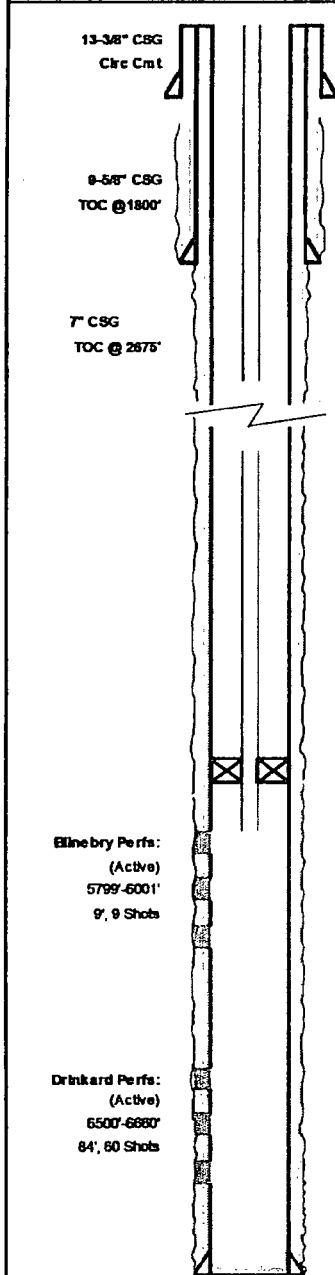
MIRU acid crew. Acidize the Drinkard w/7,500 gals 15% HCl and rock salt in 3 equal stages @ +/- 10 BPM. (Max Pressure: 6000 psi, Set kickouts at 5800 psi) Release packer. Wash out salt. POOH.

**Day 7:** RU slickline and RIH w/ 7" permanent packer and set at +/- 6120'. PU +/- 400' 2-3/8" IPC externally coated tubing, 7" hydraulic packer w/ on/off tool and ~5720' of 2-3/8" IPC coated J-55 tubing. Drop standing valve and pressure up on tubing to set hydraulic packer at 5720'. J-off packer and circulate packer fluid. Tie back into packer and retrieve standing valve.

**Day 8:** RDMO. Perform MIT test to 500 psi and record for NMOCD. Open well up to injection at around 600 BWPD.

**Apache Corporation**  
**WBDU #35W (Hawk B-1#4)**  
**WELL DIAGRAM (CURRENT CONFIGURATION)**

*Apache Corp*



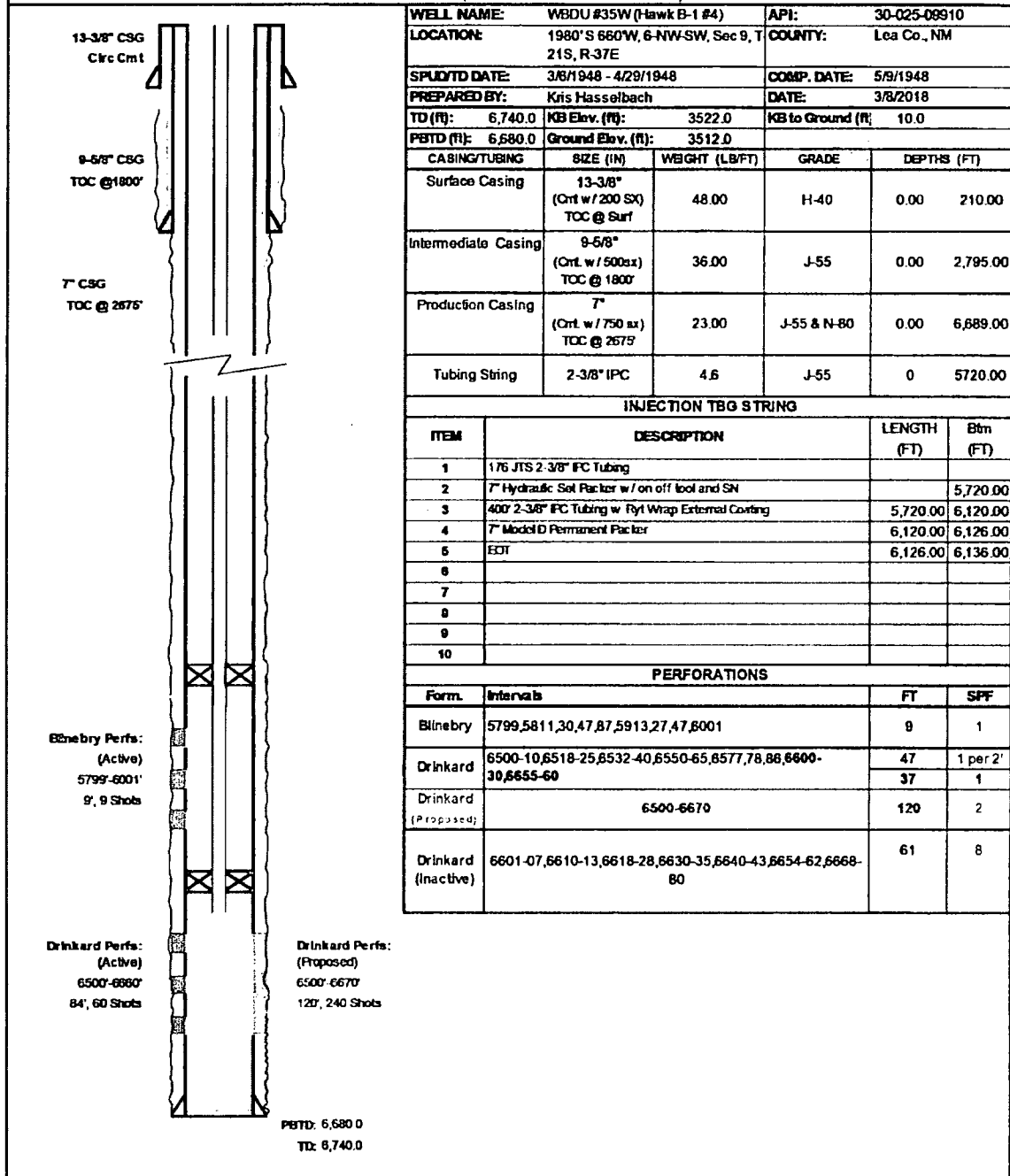
Blinebry Perfs:  
 (Active)  
 5799-6001'  
 9', 9 Shots

Drinkard Perfs:  
 (Active)  
 6500'-6660'  
 84', 60 Shots

PBTD: 6,670.0  
 TD: 6,740.0

WELL NAME:		WBDU #35W (Hawk B-1 #4)		API:		30-025-09910	
LOCATION:		1980' S 660'W, 6-NW-SW, Sec 9, T 21S, R-37E		COUNTY:		Lea Co., NM	
SPUD/TD DATE:		3/6/1948 - 4/29/1948		COMP. DATE:		5/9/1948	
PREPARED BY:		Kris Hasselbach		DATE:		3/8/2018	
TD (ft):		6,740.0	KB Elev. (ft):	3522.0	KB to Ground (ft)		10.0
PBTD (ft):		6,670.0	Ground Elev. (ft):	3512.0			
CASING/TUBING		SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)		
Surface Casing		13-3/8" (Ortl w / 200 SX) TOC @ Surf	48.00	H-40	0.00	210.00	
Intermediate Casing		9-5/8" (Ortl w / 500sx) TOC @ 1800'	36.00	J-55	0.00	2,795.00	
Production Casing		7" (Ortl w / 750 sx) TOC @ 2675'	23.00	J-55 & N-80	0.00	6,689.00	
Tubing String		2-3/8" IPC	4.6	J-55	0	5722.00	
INJECTION TBG STRING							
ITEM	DESCRIPTION				LENGTH (FT)	Btm (FT)	
1	176 JTS 2-3/8" IPC Tubing						
2	Baker Lok-set packer w/on-off tool					5,722.00	
3	10' 2-3/8" Tubing Sub				5,722.00	5,732.00	
4	SN				5,732.00	5,733.00	
5	EDT				5,733.00	5,739.00	
6							
7							
8							
9							
10							
PERFORATIONS							
Form.	Intervals				FT	SPF	
Blinebry	5799,5811,30,47,87,5913,27,47,6001				9	1	
Drinkard	6500-10,6518-25,6532-40,6550-65,6577,78,86,6600-30,6655-60				47	1 per 2'	
					37	1	
Drinkard (Inactive)	6601-07,6610-13,6618-28,6630-35,6640-43,6654-62,6668-80				61	8	

**Apache Corporation**  
**WBDU #35W (Hawk B-1#4)**  
WELL DIAGRAM (PROPOSED CONFIGURATION)



# **Conditions of Approval**

**Apache Corporation  
West Blinebry Drinkard Unit 35  
API 3002509910  
June 7, 2018**

1. Notify BLM 575-361-2822 before plug back procedures. The procedures are to be witnessed.
2. Surface disturbance beyond the existing pad must have prior approval.
3. Casing added or replaced requires a prior notice of intent (BLM Form 3160-5) approval of the design.
4. Closed loop system required. 2000 2M 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 work string shall be adequate. Tapered work strings will require an additional pipe ram.

## **Well with a Packer - Operations**

- 1) Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established. Repair that seal any time more than five barrels of packer fluid is replaced within 30 days.
  - a) The minimum test pressure should be 500 psig for 30 minutes, with 200 psig differentials between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need to be reduced). An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
  - b) Document the pressure test on a calibrated recorder chart registering within 25 to 85 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
  - c) At least 24 hours before the test in Eddy County call: phone 575-361-2822 and in Lea County call: phone 575-393-3612. Note the contact notification method, time, & date in your subsequent report.
  - d) Submit a subsequent Sundry Form 3160-5 relating the MIT activity. Include a copy of the recorded MIT pressure chart. List the name of the BLM witness, or the notified person and date of notification. NMOC is to retain the original recorded MIT chart.