

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

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

1. Type of Well <input checked="" type="checkbox"/> Off Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <i>injection</i>		5. Lease Serial No. NMNM90161
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: ISABEL HUDSON E-Mail: Isabel.Hudson@apachecorp.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432.818.1142	8. Well Name and No. <i>West Blinberry Driekard</i> <i>HAWK-B-TT Unit 41</i>
10. Field and Pool, or Exploratory Multiple--See Attached		9. API Well No. 30-025-06434-00-C1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T21S R37E NESE 1980FSL 660FEL 32.491597 N Lat, 103.178698 W Lon		11. County or Parish, and State LEA COUNTY, NM

**HOBBS OGD**

**MAR 11 2016**

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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 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 checked="" 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 perform recompleat as per attached.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #326627 verified by the BLM Well Information System</b> <b>For APACHE CORPORATION, sent to the Hobbs</b> <b>Committed to AFMSS for processing by PRISCILLA PEREZ on 12/30/2015 (16PP0057SE)</b>	
Name (Printed/Typed) ISABEL HUDSON	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 12/17/2015

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

Approved By <u>PAUL SWARTZ</u>	Title <u>TECHNICAL PET</u>	Date <u>02/01/2016</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.

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

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**Additional data for EC transaction #326627 that would not fit on the form**

**10. Field and Pool, continued**

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## Revisions to Operator-Submitted EC Data for Sundry Notice #326627

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	RCMPL NOI	RCMPL NOI
Lease:	NMLC031741A	NMNM90161
Agreement:		
Operator:	APACHE CORP 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705 Ph: 432-818-1000	APACHE CORPORATION 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705 Ph: 432.818.1000 Fx: 432-818-1190
Admin Contact:	ISABEL HUDSON REGULATORY ANALYST E-Mail: Isabel.Hudson@apachecorp.com  Ph: 432-818-1142	ISABEL HUDSON REGULATORY ANALYST E-Mail: Isabel.Hudson@apachecorp.com  Ph: 432.818.1142
Tech Contact:	ISABEL HUDSON REGULATORY ANALYST E-Mail: Isabel.Hudson@apachecorp.com  Ph: 432-818-1142	ISABEL HUDSON REGULATORY ANALYST E-Mail: Isabel.Hudson@apachecorp.com  Ph: 432.818.1142
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	EUNICE; BLI-TU-DR, NORTH	BLINEBRY OIL & GAS DRINKARD EUNICE
Well/Facility:	WEST BLINEBRY DRINKARD UNIT 041 Sec 8 T21S R37E 1980FSL 660FEL	HAWK B-1 11 Sec 8 T21S R37E NESE 1980FSL 660FEL 32.491597 N Lat, 103.178698 W Lon



**WBDU 41W (API: 30-25-06434) Proposed Procedure – December 7, 2015**

**Deepen Well, Run Liner, and recomplete in the Drinkard Formation**

- Day 1:** MIRU. Release packer and POOH w/ 2-3/8" tubing, on/off tool, and packer. PU & RIH w/ 6-1/8" bit on 2-7/8" work string.
- Day 2:** Continue in hole and drill out well to new TD @ +/- 6870'.
- Day 3:** Continue to drill out well to TD @ +/- 6870'.
- Day 4:** Continue to drill out well to TD @ +/- 6870'. Circulate wellbore clean and POOH and LD 2-7/8" work string.
- Day 5:** RU casing crew and equipment and RIH with 4-1/2" 11.6 lb/ft LTC 8 RD J-55 casing with DV tool w/packer (set at +/- 5500'), float collar, and float shoe to +/- 6870'. Perform two stage cement job to surface as follows:
- Pump first stage consisting of 10 bbl fresh water flush, 40 bbl seal bond LCM spacer, and 231 sacks of 50:50 Fly Ash (Pozzolan):Class C cement + additives (weight 14.2 ppg, yield 1.31 cf/sack, volume 54 bbls, 100% excess slurry)
  - Drop plug, displace with 106 bbl fresh water (confirm volumes) and bump plug. Drop dart. Open DV tool and set packer to isolate first stage cement.
  - Pump second cement stage consisting of 20 bbl fresh water flush, lead slurry of 228 sacks 35:65 Fly Ash (Pozzolan):Class C cement + additives (weight 12.5 ppg, yield 2.13 cf/sack, 86.3 bbl, 20% excess slurry), tail slurry of 240 sacks of class C cement + additives (weight 14.8 ppg, yield 1.33 cf/sack, 57.8 bbl, 20% excess slurry)
  - Drop DV tool plug, displace with 85 bbl fresh water (confirm volumes)
- Day 6:** WOC
- Day 7:** RIH w/ 3-1/4" bit on 2-3/8" work string. Drill out DV tool, float collar and cement to +/- 6855'. Circulate clean. POOH
- Day 8:** MIRU WL and RIH w/ GR/CBL/CCL, log well from TD to surface, POOH
- PU and RIH w/ 3-1/8" TAGs loaded with SDP charges and perforate the Drinkard @ 4 SPF, 90 deg phasing (estimated 70', 280 shots), POOH
- PU and RIH w/ treating packer on 2-3/8" work string
- Day 9:** Cont. RIH w/ treating packer on 2-3/8" work string. Set packer @ +/-6500'
- MIRU crew. Acidize the Drinkard w/10,000 gals 15% HCl and rock salt in 3 equal stages @ +/- 10 BPM. Release packer. Wash out salt. POOH
- Day 10:** PU and RIH with 4-1/2" injection packer with 2-3/8" IPC tubing subs, upper and lower profile nipples, and on/off tool on 2-3/8" work string. Set packer @ +/-6500'. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string
- Day 11:** PU & RIH w/2-3/8" IPC injection tubing and on/off tool. Circulate packer fluid and latch onto packer with on/off tool. ND BOPs and NU WH. Pressure test casing to 500 psi. RDMO.
- Day 12:** Perform MIT test for NM OCD. Place well on injection

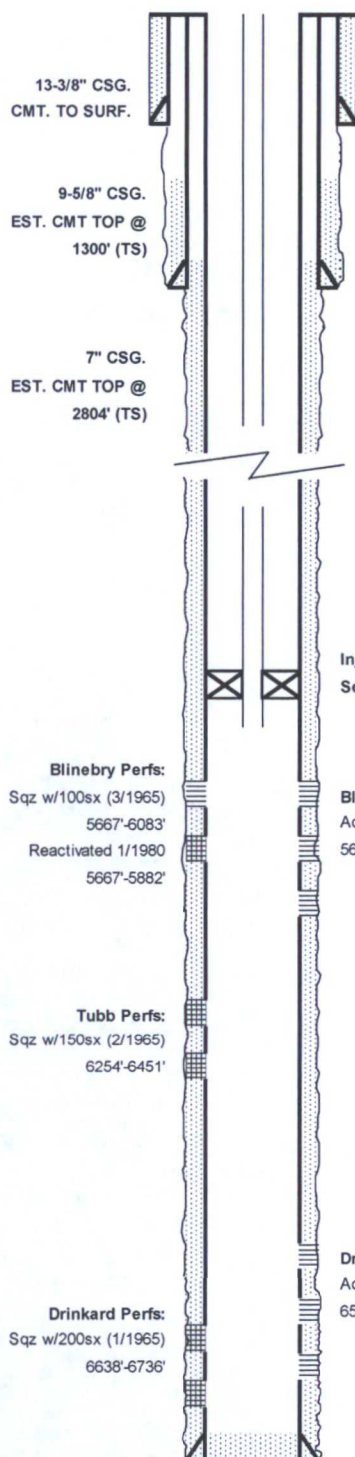
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## Current Wellbore Diagram

**Apache Corporation**  
**WBDU #41W (Hawk B-1 #11)**  
**WELL DIAGRAM (CURRENT CONFIGURATION)**



PBDT: 6,776.0

TD: 6,776.0

WELL NAME:		WBDU #41W (Hawk B-1 #11)		API:		30-025-06434	
LOCATION:		1980' FSL / 660' FEL, Sec 8, T-21S, R-37E		COUNTY:		Lea Co., NM	
SPUD/TD DATE:		2/9/1950 - 3/12/1950		COMP. DATE:		4/16/1950	
PREPARED BY:		Bret Shapot		DATE:		12/7/2015	
TD (ft): 6,776.0		KB Elev. (ft): 3538.0		KB to Ground (ft)		10.0	
PBDT (ft): 6,767.0		Ground Elev. (ft): 3528.0					
CASING/TUBING		SIZE (IN)	WEIGHT (LB/FT)	GRADE		DEPTHS (FT)	
Surface Casing		13-3/8" (Cmt. w/ 250sx., Circ.)	-	-		0.00	213.00
Int. Casing		9-5/8" (Cmt. w/ 1750sx) TOC @ 1300' (TS)	36.00	J-55		0.00	2,864.00
Prod. Casing		7" (Cmt. w/ 822sx) TOC @ 2804' (TS)	23.00	J-55 N-80		0.00	6,774.00

**INJECTION TBG STRING**

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	172 JTS 2-3/8" IPC Tubing		
2	Baker Lok-set packer w/on-off tool		
3			
4			
5			
6			
7			
8			
9			
10			

**PERFORATIONS**

Form.	Intervals	FT	SPF
Blinebry	(Squeezed) 5902', 29', 52', 64', 78', 84', 97', 6016', 44', 67', 74', 83'	12	1
	(Squeezed/Reactivated) 5667', 80', 88', 5729', 39', 56', 67', 79', 5811', 29', 35', 82',	12	1
	5667', 76', 80', 93', 5700', 13', 20', 29', 43', 46', 51', 56', 67', 72', 79', 5800', 08', 11', 14', 26', 29', 35', 48', 72', 79', 82'	25	1
	5903', 06', 23', 27', 46', 52', 64', 76', 88', 97', 6014', 16'	12	1
Tubb	(Squeezed) 6254', 62', 68', 77', 82', 91', 98', 6304', 15', 19', 34', 41', 52', 60', 66', 78', 6416', 21', 32', 36', 41', 45', 51'	24	1
Drinkard	(Squeezed) 6638'-70', 75'-80', 6690'-6706', 6726'-36'	67	4
	6539', 46', 54', 66', 72', 94', 6608', 19', 29'	9	1
	6643'-50', 56'-62', 68'-72', 78'-80', 6695'-6707', 6718'-20', 30'-36'	46	2

Drinkard Perfs:  
Active  
6539'-6736'



# Proposed Wellbore Diagram

