Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
DEC 22 2015
RECEIVED

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.

5. Lease Serial No.
NMLC031741A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other: INJECTION

8. Well Name and No.
WEST BLINEBRY DRINKARD UNIT 21 ✓

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

9. API Well No.
30-025-06440 ✓

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
EUNICE; B-T-D, NORTH

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 9 T21S R37E SWNW 1980FNL 660FWL ✓

11. County or Parish, and State
LEA COUNTY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 shall 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 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 deepen this well, run a liner and recomplete in the Drinkard part of this formation, per the following procedure. Also attached are before and after WBD's.

MUST RUN MIT PRIOR TO RETURNING WELL TO INJECTION
KR

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #326416 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 12/16/2015

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.

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

DEC 31 2015 1/4/16

WBDU 21W (API: 30-25-06440) Proposed Procedure – November 30, 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 @ +/- 6845'.

Day 3: Continue to drill out well to TD @ +/- 6845'.

Day 4: Continue to drill out well to TD @ +/- 6845'. 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 +/- 6845'. Perform two stage cement job to surface as follows:

a. Pump first stage consisting of 10 bbl fresh water flush, 40 bbl seal bond LCM spacer, and 227 sacks of 50:50 Fly Ash (Pozzolan):Class C cement + additives (weight 14.2 ppg, yield 1.31 cf/sack, volume 53.0 bbls, 100% excess slurry)
b. 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.
c. 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)
d. 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 +/- 6830'. 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.

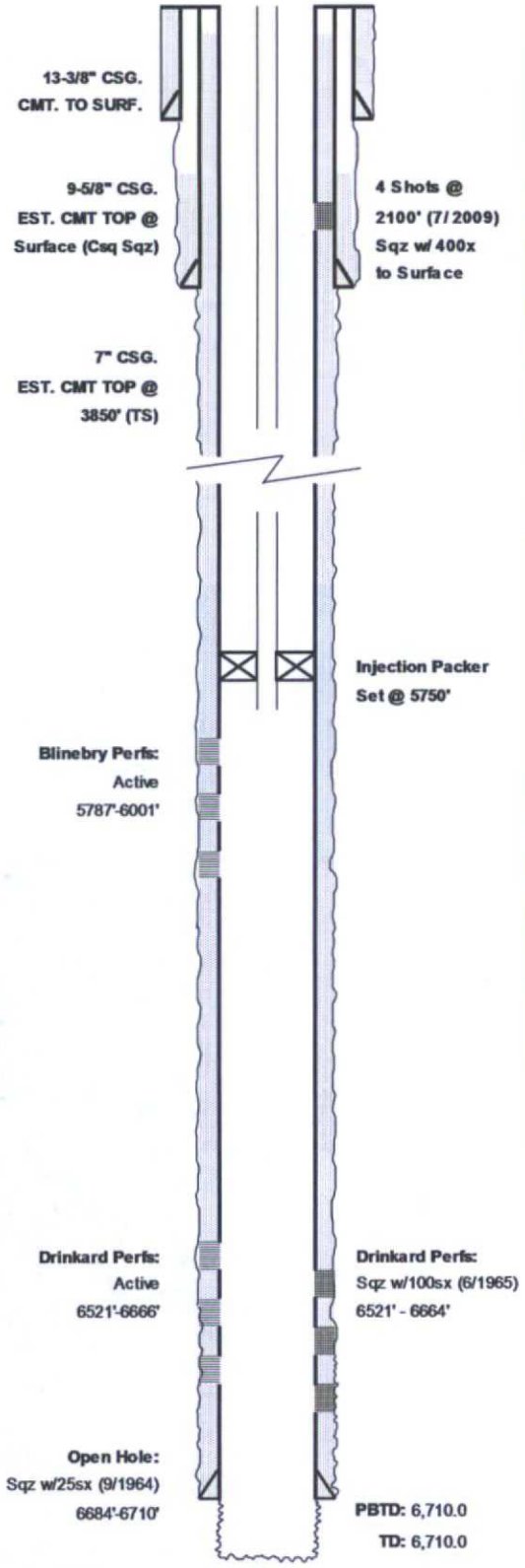
Day 12: Perform MIT test for NM OCD. Place well on injection

Current Wellbore Diagram

Apache Corporation

WBDU #21W (Hawk A #3)

WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU #21W (Hawk A #3)	**API:**	30-025-06440
LOCATION:	1980' FNL / 660'FWL, Sec 9, T-21S, R-37E	**COUNTY:**	Lea Co., NM
SPUD/TD DATE:	2/11/1948-3/19/1948	**COMP. DATE:**	3/22/1948
PREPARED BY:	Bret Shapot	**DATE:**	12/3/2015
TD (ft): 6,710.0	**KB Elev. (ft):** 3518.0	**KB to Ground (ft)**	10.0
PBTD (ft): 6,710.0	**Ground Elev. (ft):** 3508.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 200sx., Circ.)	48.00	H-40	0.00	224.00
Int. Casing	9-5/8" (Cmt. w/ 550sx) TOC @ Surface'	32.3 / 36	H-40	0.00	2,799.00
Prod. Casing	7" (Cmt. w/ 500 sx) TOC @ 3850' (TS)	23.00	J-55 N-80	0.00	6,684.00

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	179 JTS 2-3/8" IPC Tubing		
2	Baker Lok-set packer w/on-off tool		
3			
4			
5			
6			
7			
8			
9			
10			

PERFORATIONS

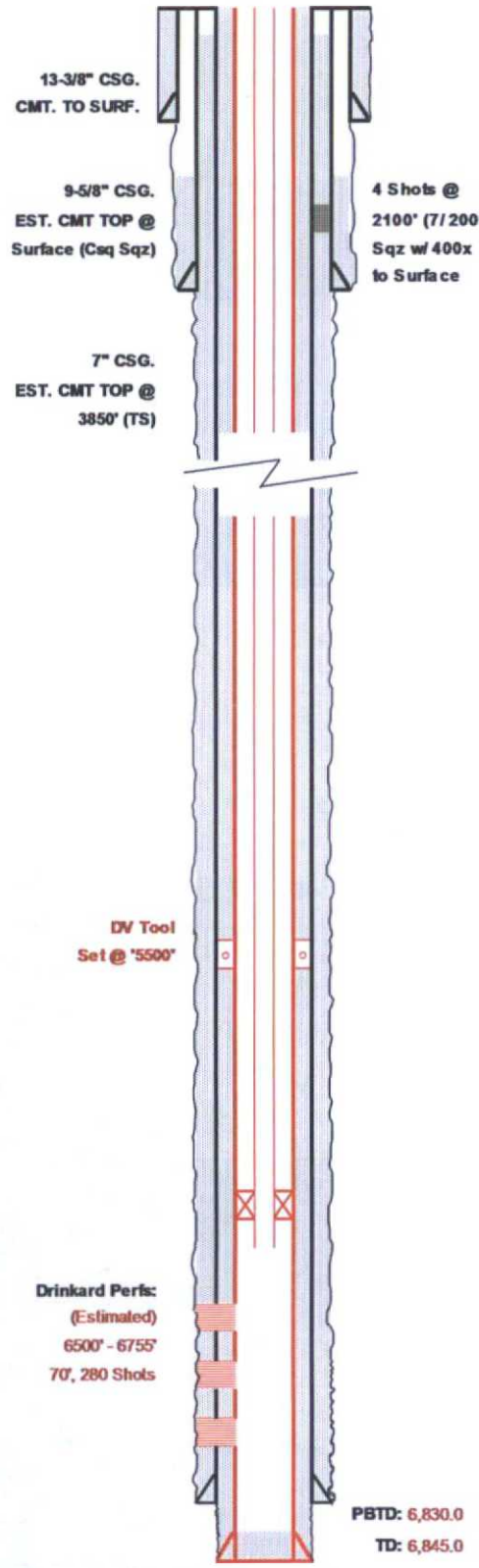
Form.	Intervals	FT	SPF
Blinebry	5787', 5805', 41', 57', 68', 5909', 14', 33', 54', 94', 6001'	11	1
Drinkard	(Squeezed) 6521', 28', 40', 48', 60', 69', 96', 6603', 10', 20', 48', 53', 64'	13	1
	6521', 28', 40', 48', 60', 69', 96', 6603', 10', 20', 48', 53', 64'	13	1
	6648'-56', 60'-66'	16	2
Drinkard OH	(Squeezed) 6684'-6710'	27	N/A

Proposed Wellbore Diagram

Apache Corporation

WBDU #21W (Hawk A #3)

WELL DIAGRAM (PROPOSED CONFIGURATION)



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LOCATION:	1980' FNL / 660'FWL, Sec 9, T-21S, R-37E	**COUNTY:**	Lea Co., NM
SPUD/TD DATE:	2/11/1948-3/19/1948	**COMP. DATE:**	3/22/1948
PREPARED BY:	Bret Shapot	**DATE:**	12/3/2015
TD (ft): 6,845.0	**KB Elev. (ft):** 3518.0	**KB to Ground (ft)**	10.0
PBTD (ft): 6,830.0	**Ground Elev. (ft):** 3508.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 200sx., Circ.)	48.00	H-40	0.00	224.00
Int. Casing	9-5/8" (Cmt. w/ 550sx) TOC @ Surface'	32.3 / 36	H-40	0.00	2,799.00
Prod. Casing	7" (Cmt. w/ 500 sx) TOC @ 3850' (TS)	23.00	J-55 N-80	0.00	6,684.00
Liner	4-1/2" Cmt. To surf	11.60	J-55	0.00	6,845.00

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	2-3/8" 4.7 LB/FT J-55 IPC TBG	6,492.00	6492.00
2	2-3/8" ON/OFF TOOL W/ 1.78 F PROFILE	1.80	6493.80
3	2-3/8" X 4-1/2" NICKLE PLATED ARROW-SET PKR	6.20	6500.00
4	2-3/8" 4.7 LB/FT J-55 IPC TBG	8.00	6508.00
5	2-3/8" PROFILE NIPPLE 1.50 R	0.90	6508.90
6	2-3/8" 4.7 LB/FT J-55 IPC TBG	6.00	6,514.90
7			
8			
9			

PERFORATIONS

Form.	Intervals	FT	SPF
Drinkard	(Estimated) 6500' - 6755'	70	4