

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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.

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		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. WEST BLINEBRY DRINKARD UNIT 192 ✓
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. 30-025-42494✓
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T21S R37E NWSE 1865FSL 1985FEL ✓		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 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<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 proposes to complete this well, per the attached. (WFX-960)

14. I hereby certify that the foregoing is true and correct. Electronic Submission #370914 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Hobbs Committed to AFMSS for processing by DEBORAH HAM on 03/29/2017 ()	
Name (Printed/Typed) REESA FISHER	Title SR STAFF REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/24/2017
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
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 ****

WBDU #192W: Drinkard Completion



Procedure Date: March 20, 2017

AFE: 11-16-1733-CP

AFE: 11-16-1733-EQ

API: 30-025-42494

1985' FEL & 1865' FSL, Unit O

Section 8, Township 21S & Range 37E

Lea County, New Mexico

TD: 6,974' MD

GL Elev: 3,521'

KB Elev: 3,535'

Production Casing:

Size: 5-1/2"	Weight: 17 lb/ft	Grade: L-80 LTC	ID: 4.892"	Capacity: 0.0232 bbl/ft
Depth: 6974'	Float shoe: 6,973'	Float Collar: 6,926'	Marker Jt.: 5,584'	
Cement:	Lead: 1,000 SX (12.6 ppg, 2.06 Yield)			
	Tail: 350 SX (14.2 ppg, 1.31 Yield)			
	TOC: Circ. 111 bbls (302 SX)			

Max pressure: 7,500 psi (~ 70% Burst Pressure of 2-7/8" L-80 Workstring)

Recommended Procedure:

- Day 1:** MIRU.NUHBOP. RIH w/ 2-7/8" L-80 work string and bit. Tag top of float collar @ 6,893'. Circulate wellbore bottoms up with fresh water. POOH w/ work string.
- Day 2:** MIRU WL. RIH w/ cased hole RCBL/CCL logging equipment. Log from PBTD to surface. POOH. RIH w/ 3-1/8" guns and correlate depths to Halliburton CNL/GR log run 3/17/2017. Perforate Drinkard as per the attached sheet w/ 3-1/8" slick guns loaded w/ Owen SDP charges @ 2 SPF, 90 deg phasing (total 58', 116 shots). POOH.
- Day 3:** RIH w/ 2-7/8" L-80 work string with treating packer while hydro testing tubing to 7500 psi. Set packer at +/- 6,600'.
- Acidize the Drinkard formation down 2-7/8" work string w/ 10,000 gal of 15% HCl acid w/scale inhibitor and 204 ball sealers (~75% excess). Pump per attached pump schedule.
- Max Rate: 10 BPM
 - Max Pressure: 7500 psi (Kickouts set at 7000 psi)

Acid Ball-Out Pump Schedule:

Stage	Description	Fluid	Volume (BBLs)	Cum Volume (BBLs)	Balls	Cum Balls
1	Breakdown	Fresh Water	10	10		0
2	Acid	15% HCl	20	30		0
3	Drop 12 balls	15% HCl	5	35	12	12
4	Acid	15% HCl	5	40		12
5	Drop 9 balls	15% HCl	5	45	9	21
6	Acid	15% HCl	5	50		21
7	Drop 9 balls	15% HCl	5	55	9	30
8	Acid	15% HCl	5	60		30
9	Drop 9 balls	15% HCl	5	65	9	39
10	Acid	15% HCl	5	70		39
11	Drop 9 balls	15% HCl	5	75	9	48
12	Acid	15% HCl	5	80		48
13	Drop 12 balls	15% HCl	5	85	12	60
14	Acid	15% HCl	5	90		60
15	Drop 9 balls	15% HCl	5	95	9	69
16	Acid	15% HCl	5	100		69
17	Drop 9 balls	15% HCl	5	105	9	78
18	Acid	15% HCl	5	110		78
19	Drop 9 balls	15% HCl	5	115	9	87
20	Acid	15% HCl	5	120		87
21	Drop 9 balls	15% HCl	5	125	9	96
22	Acid	15% HCl	5	130		96
23	Drop 12 balls	15% HCl	5	135	12	108
24	Acid	15% HCl	5	140		108
25	Drop 9 balls	15% HCl	5	145	9	117
26	Acid	15% HCl	5	150		117
27	Drop 9 balls	15% HCl	5	155	9	126
28	Acid	15% HCl	5	160		126
29	Drop 9 balls	15% HCl	5	165	9	135
30	Acid	15% HCl	5	170		135
31	Drop 9 balls	15% HCl	5	175	9	144
32	Acid	15% HCl	5	180		144
33	Drop 12 balls	15% HCl	5	185	12	156
34	Acid	15% HCl	5	190		156
35	Drop 9 balls	15% HCl	5	195	9	165
36	Acid	15% HCl	5	200		165
37	Drop 9 balls	15% HCl	5	205	9	174
38	Acid	15% HCl	5	210		174
39	Drop 9 balls	15% HCl	5	215	9	183
40	Acid	15% HCl	5	220		183
41	Drop 9 balls	15% HCl	5	225	9	192
42	Acid	15% HCl	5	230		192
43	Drop 12 Balls	15% HCl	5	235	12	204
44	Acid	15% HCl	15	250		204
45	Flush	Fresh Water	80	330		204
Total				330		204