Submit 1 Copy To Appropriate District	State of New Mexic	0		Form C-103				
Office District I – $(575)$ 393 6151	Energy, Minerals and Natural	Resources	Revised July 18, 201					
1625 N. French Dr., Hobbs, NM 88240 District II - (5) 5748-1283		WELL API NO. 30-025-37243						
811 S. Firs St., Artesia, NM 88210	OIL CONSERVATION D	5. Indicate Type of Lease						
District II – (505) 334-6178 1000 Rio Brazos Rdv, Aztec, NM 57410	1220 South St. Francis		STATE	FEE 🗸				
District IV – (505) 476-3460	Santa Fe, NM 8750	5	6. State Oil & Gas Lease	No.				
1220 S. St. Francis Dr., Santa Fe, NM 87505								
	ICES AND REPORTS ON WELLS		7. Lease Name or Unit A	greement Name				
(	OSALS TO DRILL OR TO DEEPEN OR PLUG E CATION FOR PERMIT" (FORM C-101) FOR S		Northeast Drinkard Unit (N	NEDU) / 22503				
PROPOSALS.)		oen		,				
1. Type of Well: Oil Well 🗸	Gas Well 🗌 Other		8. Well Number 721					
2. Name of Operator Apache Corporation		1	9. OGRID Number 873					
3. Address of Operator		,	10. Pool name or Wildca	at				
303 Veterans Airpark Lane, Suite 1	000 Midland, TX 79705		Eunice; B-T-D, North (229					
4. Well Location				,				
Unit Letter M :	1310 feet from the South	line and 330	feet from the V	Vest line				
Section 15		37E		ty Lea				
	11. Elevation (Show whether DR, RK							
	3445' GL							
of starting any proposed w proposed completion or rea	CHANGE PLANS CO MULTIPLE COMPL C/ Deleted operations. (Clearly state all pertions). SEE RULE 19.15.7.14 NMAC. F	for Multiple Con	LLING OPNS. P AND JOB D	ding estimated date				
Spud Date: 9/16/2005 I hereby certify that the information	Rig Release Date:	9/28/2005 of my knowledge	e and belief.	•				
Λ								
SIGNATURE Reaso 7	TITLE Sr. Staff Re	eg Analyst	DATE 7/2	6/2017				
Type or print name Reesa Fisher	E-mail address:	Reesa.Fisher@apa	checorp.com PHONE:	(432) 818-1062				
For State Use Only	- 1		E	1 1				
ADDROVED BY	TITLE	Petroleum	DATE	18/02/17				
APPROVED BY: Conditions of Approval (IF any):	IIILE		DATE	10-111				
conditions of Approvaluat any).								

## NEDU 721 (API: 30-025-37243)

## Proposed Workover Procedure: Clean out well, Add Drinkard Pay, Acidize Blinebry, Tubb, Drinkard

May 2, 2017

- Day 0: Test anchors. Get oil sample and send to Cudd for compatibility testing.
- Day 1: MIRU. POOH w/ rods and pump. Install BOP. TFF and POOH w/ tubing.
- **Day 2:** PU & RIH w/ 4-3/4" bit with scraper and 2-7/8" L-80 work string to PBTD at 6787'. Use bailer or `foam air unit if necessary. POOH.
- Day 3: MIRU wireline. RIH and correlate depths using Halliburton Spectral Density & Dual Spaced Neutron Log dated 9/28/2005.

Perforate Drinkard with 3-3/8" TAG guns and perf Drinkard per depths below (120<sup>o</sup> phasing, 1 SPF).

Day 4: PU & RIH w/ RBP and treating packer on 2-7/8" work string while hydrotesting tubing to 7500 psi. Set RBP at +/- 6650' PUH and set packer at +/-6450'. MIRU Acid Crew. Test lines to 7500 psi. Set kickouts at 6500 psi.

Acidize Drinkard with 8000 gals 15% HCl using rock salt for diversion every 2000 gals. (Max pressure: 7500 psi, Max Rate 10 BPM). Unset packer and wash over salt.

PU RBP and set at +/-6275'. PU and set packer at +/-6000'.

Acidize Tubb with 2000 gals 15% HCl using rock salt for diversion after 1000 gals (Max pressure: 7500 psi, Max Rate 10 BPM). Unset packer and wash over salt.

PU RBP and set at +/- 5920'. PU and set packer at +/- 5530'.

Acidize Blinebry with 2000 gals 15% HCl using rock salt for after 1000 gals. (Max pressure: 7500 psi, Max Rate 10 BPM). Unset packer and wash over salt. Retrieve RBP and POOH and LD work string.

**Day 5:** PU and RIH 2-7/8" production string and set SN at +/- 6700'. RIH w/ pump and rods. RDMO. Place well on production.

## **Suggested Perforations**

NEDU 721 Perforations									
Guns: 3-3/8" TAG w/SDP Charges									
Zone	Тор	Bottom	Feet	SPF	Shots				
Drinkard	6509	6520	12	1	12				
Drinkard	6526	6532	7	1	7				
Drinkard	6539	6544	6	1	6				
Drinkard	6548	6548	1	1	1				
Drinkard	6553	6557	5	1	5				
Drinkard	6575	6592	18	1	18				
Drinkard	6598	6608	11	1	11				
Total			60		60				

## **Current Wellbore Diagram**

Jan Martin

	EAPI/UNI (API 12 Digits) 37243	Surface Legal Locato 1310' FSL, 330' I	n FWL, Unit M, Sec	15, T-21S, R-3	37E		leid Nan Eunice	ne (North) Btd	1		tate/Provid			
	01g/tai/KB Elevation (t) /16/2005 3,455.0		Ground Eleval 3,445.0							ound Distance (f)				
BTD .	(Inter	Total Dept	ndKe:		Comment				-	50¥	and the second s			
Drigin	al Hole - 6.787	6,850.0												_
				Casing Strin	qs	Trees.	S-lizeda	dia mila sia	Misik	N. S.	1.164.05			
-scouct	iction - NORTHEAST DRINKARD UNIT 721 - Original Hole, 5/9/2017 7:34:33		Csg Des		00 (11		Willen			Grade		Bet Depth		
MD RKB)				Surface Prod 1			8 5/8			00 J-55				275. 350.
				Cement			- 11 E			0 0-00			0,1	100
				Baring	Description					Depth (tKB)			Start Date	
				Surface, 1,275.00ftKB,	Surface		11.0		1,275.	.00	Returns		9/17/20	35
-1,000				8 5/8 String	Description			1000 (FXE)		C FORMAT		1.000		
				Prod 1,	Productio	n	408.0		6,850.		Log	ANESS .	9/29/20	
-500				6,850.00ftKB, 5 1/2							-			
				Baring	Description					Depth (thKB)		Mesh	Start Date	
				Prod 1, 6,850.00ftKB	Cement F	lug	6,78	7.00	6,850.	00	Tag		9/29/20	05
4				5 1/2										
			*****	Perforations					6815					
800				Date	Туре		Prop?	Top (ftKB)		Stm (ftKS)		hat Cers (hots/ft)	Enter	
		Burtace; 11.00 9/17/2005	-1,275.00 ftKB;	10/18/2005	Blinebry		No	5,5		5,58	-	2.0		
				10/18/2005	Blinebry	_	No	5,6		5,64	-	2.0	-	arpetrosec
1,000				10/18/2005	Blinebry	+	No	5.8		5,88		2.0		
	2022	No. 1000		10/12/2005	Tubb		No	6,0	88	6,09	2	2.0		
1.500		8		10/12/2005	Tubb		No	6,1		6,16		2.0	A CONTRACTOR OF THE OWNER	Christia Christ
	<b>%</b>			10/12/2005	Tubb		No	6,2		6,22	24 Aug	2.0		
2,000				10/7/2005	Drinkard Drinkard	-	No No	6,5. 6,5		6,52 6,56	-	2.0		
2,000				10/7/2005	Drinkard	-	No	6,5		6,55	-	2.0		
				Proposed Pe			214	Strate and State	10-50	COLUMN ST	<b>新日本</b> 社		-14.8-167	0
2,500		8		Date	Туре		Prop?	Top (ftKB)	T	Stm (ftKE)		hot Dens hots/ft)	Entere	
				Province and a province	100 A 10 A 10 A 10	200.0	P Nops	Ich berni	0.00	enn hevel		meaning	10.0.19	- 15 -
2,000		8		Tubing Strin	ds		10				1.320		Care of the	
	8			Tubing Description		in Dati	8	1	itting La	engin (fil)		Set Depth	(tike)	163.50
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2,500	8	Production; 40	8.00-6,850.00 ftKB;											
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	8/28/2005	5	Rod Strings	Alsone			an Mariana Castoria and	and the second					
6.000				Rod Des-cription	R.	in Dati	e	2	itang 14	ingin (ft)		Bet Depth	(txe)	
		8		the second second	Des	JS	<b>SPARS</b>	Vake	M	odel	00 (1)	Wt (0.11)	Grade	Len
4,200		8		Other In Hole					_					
5,800		88		Description	2				00 (0	0 1	op (ftKB)	Run	Date	_
	8			Dive Deale T	And Deset	the strength								
5,000	8	8		Plug Back To Date	Typ	pe					Depth (		Depth (T)	Cill
	8	8		10/7/2005	Ce	emer	nt Plug				6,787		6,572	-
5,500	8			Comments Comment										
	109	RS							-					
	228	165												
6,000		80												
	699	185												
6.500			al Depth; 6,787.00											
	100	TtKB	6,787.00-6,850.00											
	XX	RKB; 9/29/200	5											
7,000														