Form 3160-5 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 31, 2018

	Expires: January	
5.	Lease Serial No.	
	NIMANIMADO161	

SUNDRY	NMNM90161					
abandoned wel	II. Use form 3160-3 (AP	D) for such proposals.	DEBR O	6. If Indian, Allottee o	r Tribe Name	
Do not use this form for proposals to drill or to re-enter and bases 6. If Indian, Allottee or Tribe Name						
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter the proposals. SUBMIT IN TRIPLICATE - Other instructions on page 2 I. Type of Well Soil Well Gas Well Other Contact: REESA FISHER APACHE CORPORATION E-Mail: Reesa.Fisher@apachecorp.com S-API Well No. 30-025-37020 33. Address 303 VETERANS AIRPARK LANE SUITE 3000 Ph: 432-818-1062 Depen E-Mail: Reesa.Fisher@apachecorp.com Developen Ph: 432-818-1062 Developen Ph: 432-818-1062 Developen Ph: 432-818-1062 Developen Production (Start/Resume) Water Shut-Off Well Integrity Subsequent Report Casing Repair New Construction Recomplete Operations Plug and Abandon Temporarily Abandon Developen Plug Back Water Disposal Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof in the work will be performed or provide the Bond No. on file with BLM/BIA. Aquired subsequent reports must be filed onity and approximate duration thereof is the window of any following completion of the involved operations: If the operation results in a multiple completion or recompleted on a new intervals 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. Aquired subsequent reports 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 workover this well by adding perfs to the Drinkard and acidizing BTD, per the						
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter and abandoned well. Use form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on page 2 I. Type of Well Oil Well						
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill not no re-neite the state of the proposals to drill not no re-neite the state of the proposals. SUBMIT IN TRIPLICATE - Other Instructions on page 2 1. Type of Well On on Well Gas Well Other Other Other 2. Name of Operator APACHE CORPORATION E-Mail: Reseas.Fisher@apachecorp.com 3. Address 30 Set Terrans AIRPARK LANE SUITE 3000 3b. Phone No. (include area code) MIDLAND, TX 79705 4. Location of Well (Footage, Sec. T., R. M., or Survey Description) 4. Location of Well (Footage, Sec. T., R. M., or Survey Description) 5. Each Type of Faction AIRPARK LANE SUITE SUIT						
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill not not e-neite the proposals. SUBMIT IN TRIPLICATE - Other instructions on page 2 I. Type of Well On the control of the proposals of the proposals of the proposals of the proposals. SUBMIT IN TRIPLICATE - Other instructions on page 2 I. Type of Well On the control of the proposal of the propos						
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12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICATE NATURE	OF NOTICE, I	REPORT, OR OTH	IER DATA	
TYPE OF SUBMISSION		ТҮРЕ	OF ACTION			
Motice of Intent	☐ Acidize	□ Deepen	☐ Production	uction (Start/Resume)		
	☐ Alter Casing	☐ Hydraulic Fracturing	ng Reclamat	tion	■ Well Integrity	
☐ Subsequent Report	□ Casing Repair	☐ New Construction ☐ Recon		ete	⊘ Other	
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug and Abandon	□ Tempora	rily Abandon	workover Operations	
	☐ Convert to Injection	☐ Plug Back	☐ Water Di	isposal		
If the proposal is to deepen directions Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for f Apache intends to workover th	ally or recomplete horizontally, it will be performed or provide operations. If the operation re- pandonment Notices must be fi- inal inspection.	, give subsurface locations and me the Bond No. on file with BLM/I esults in a multiple completion or r led only after all requirements, inc	asured and true ver BIA. Required sub- recompletion in a ne- cluding reclamation.	tical depths of all pertin sequent reports must be ew interval, a Form 316	ent markers and zones. filed within 30 days 0-4 must be filed once	
Pan Ad	ol .					
14. I hereby certify that the foregoing is	Electronic Submission #	#366377 verified by the BLM V HE CORPORATION, sent to t processing by DEBORAH.MO	he Hobbs			
B			11	INDDDA	A Division in the last of the	

02/09/2017 (Electronic Submission) THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Title

Approved By 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

Name (Printed/Typed) REESA FISHER

Title

SR STAFF REGULATORY ANALYST

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)

Signature

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



WBDU 46 (API: 30-025-32020)

Proposed Workover Procedure: Reactivate Drinkard and Add pay. Acid Stimulate Drinkard, Tubb, Blinebry

January 30, 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/ 2-7/8" tubing

Day 2: PU & RIH w/ 4-3/4" bit and 2-7/8" L-80 work string to PBTD at 6610'. Drill out ~30' of cement and continue to drill out CIBP. Continue cleaning out well to new PBTD 6870'. Use bailer or foam air unit if necessary. POOH.

Day 3: MIRU WL. RIH & correlate depths to CNL/GR/CCL log run 6/24/2005.

Perforate the Drinkard formations as per the attached sheet using 3-3/8" TAGs loaded with SDP charges (2 SPF, 90° phasing). POOH & RD WL.

PU & RIH w/ RBP and treating packer on 2-7/8" work string.

Day 4: Cont. RIH w/ RBP and treating packer, set RBP at +/- 6800' PUH and set packer at +/-6600'.

Acidize Drinkard with 8000 gals 15% HCl using rock salt for diversion every 1000 gals. (Max pressure: 4500 psi, Max Rate 12 BPM). Unset packer and wash over salt.

PU RBP and set at \pm -6400'. PU and set packer at \pm -6150'.

Acidize Tubb with 2000 gals 15% HCl using rock salt for diversion every 500 gals. (Max pressure: 4500 psi, Max Rate 12 BPM). Unset packer and wash over salt.

PU RBP and set at +/- 6050'. PU and set packer at +/- 5620'.

Acidize Blinebry with 2000 gals 15% HCl using rock salt for diversion every 500 gals. (Max pressure: 4500 psi, Max Rate 12 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 +/- 6800'. Swab well for several hours.

Day 6: RIH w/ pump and rods. RDMO. Place well on production.

WBDU 46 Perforations Guns: 3-3/8" TAG w/SDP Charges											
											Zone Top Bottom Feet SPF St
Drinkard	6657	6690	34	2	68						
Drinkard	6693	6698	6	2	12						
Drinkard	6712	6725	14	2	28						
Drinkard	6728	6730	3	2	6						
Drinkard	6734	6740	7	2	14						
Drinkard	6754	6760	7	2	14						
Total			71		142						



Downhole Well Profile w Cement

Well Name: WBDU 46

Reference Datum: KB

API/UWI 3002537020	1365' FSL, 1420' FEL, Unit J, Sec 8, T-21S, R-37E		Field Name Eunice Area	State/Province New Mexico	Well Purpose Production
Spud Date 6/10/2005 16:15	Original Drilling Rig Release 6/25/2005 02:00	Original KB Elevation (ft) 3,523.0	Ground Elevation (ft) 3,517.0	KB-Ground Distance (ft) 6,0	Casing Flange Elevation (ft)
Pato (Al) (AKB) Original Hole - 6.870			Total Depth All (TVD) (ftKB)		

MD	Madiantesh	ematic (actual)	Cog Des	OD (in		WVLer		_	Grade	Set Depth (ftKB)
KB)	Vertical Scr	emanc (actual)	Surface	100	8 5/8		Charles and Street and	J-55		1,420
			Prod 1		5 1/2		17.00	J-55		7,383
			Cement	Description		opth (ftKB)	0		Top Meas Meth	
			Surface, 1,420 00ftKB	Surface	10 00)	1,420.0	0	Returns at Surface	Start Date 6/12/2005
500			Prod 1, 7,383 00ftKB	Production	160.0	opin (ftKB) 00	7,383.0		Top Meas Meth Log	Start Date: 6/25/2005
		-Surface; 10.00-1,420 00 ftKB	String Prod 1, 7,383.00ftKB	Description Cement Plug	7,337	opth (ftKB) 7.00	7,383 0		Top Meas Meth Tag	Start Date 6/25/2005
000			String Prod 1, 7,383.00ftKB	Description Abandonment Plug		pth (ftKB) 000	8ottom De 6,900 0		Top Meas Meth Tag	Start Date 8/12/2005
			Perforations		10 cm m			turner g		
500			TELEPHONO CO	PARAMATE SETT OF	Villa	7 mg 4 6	100		Shot Dens	Entered Sho
			8/22/2005		Prop7	Top (ftKB)		Stm (RKB)	(shots/ft)	Total
				Blinebry	No	-	78	5,68		
000			8/22/2005	Blinebry	No		21	5,72		
			8/22/2005	Blinebry	No		322	5,82		
			8/22/2005	Blinebry	No		19	5,92	1	
			8/22/2005	Blinebry	No		006	6,01		
500			8/17/2005	Tubb	No		91	6,19		1
			8/17/2005	Tubb	No		42	6,24		1
			8/17/2005	Tubb	No		288	6,29		*
000			8/17/2005	Tubb	No		342	6,34		
			8/12/2005	Drinkard	No		36	6,64		
			8/12/2005	Drinkard	No		554	6,65		
			8/12/2005	Drinkard	No	6,6	574	6,67		
500		~~~~~~~	8/12/2005	Drinkard	No		94	6,69		
		Production; 160.00-7,383.00	8/12/2005	Drinkard	No	6,7	18	6,72		
000		ftKB	6/29/2005	Abo Suspended	No		24	6,93		
			6/29/2005	Abo Suspended Abo	No		73	6,97		
500			6/29/2005	Suspended Abo	No	6,9	88	6,98		
			6/29/2005	Suspended Abo	No		000	7,00		
000			6/29/2005	Suspended Abo	No	7,0	110	7,01	4 2.0	
500			6/29/2005	Abo Suspended	No	7,0	18	7,02	7 2.0	
			6/29/2005	Abo Suspended	No	7,0	32	7,04		
000				Abo Suspended	No		164	7,07		
500		Plug Back Total Depth; 6,870.00		Abo Suspended Abo	No	7,0		7,08		
		Abandonment Plug; 6,870.00- 6,900.00 ftKB		Suspended Abo	No	7,1	22	7,112		
000		-CIBP; 6,900.00-6,905.00	6/29/2005	Suspended Abo	No	7,2		7,22		
	% S C C	Cement Plug; 7,337.00-7,383.00 ftKB	6/29/2005	Suspended Abo	No		33	7,238		
500				Suspended						



Downhole Well Profile w Cement

Well Name: WBDU 46

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API/UWI 3002537020	1365' FSL, 1420' FEL, Unit J, Sec 8, T-21S, R-37E Eur		Field Name Eunice Area	State/Province New Mexico	Well Purpose Production
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PBTD (All) (fixB) Original Hole - 6,870			Total Depth All (TVD) (hKB)		Carrier Control

MD		6 - Original Hole, 1/31/2017 4:29:48 PM	THE WALLET	11 11 22	FITT	Part of	To- (AVA)	7:1	Total Earl	Shot Dens		red Shot
ftKB)		/ertical schematic (actual)	6/29/2005	Abo Suspend		Prop?	Top (ftKB) 7.2	50 8tm (fike	256	(shots/ft) 2.0		Total 1
			Proposed P		_	111	-	April 1999		- 4 - 7 - 7	-	
	7323	Control to the first and the strict of the street and the street a	nation of the later of the	130m 570	5.75	A Part	-1		158 15	Shot Dens	Ente	red Shot
	0.0	w W	Date	Туре		Prop?	Top (fiKB)	Btm (ftK)	The second second	(shots/ft)	_	Total
				Drinkard		Yes	6,6		690	. 2.0		6
500		(A) (A)		Orinkard		Yes	6,6		698	2.0		1
				Drinkard		Yes	6,7		725	2.0		2
		Surface; 10.00-1,420 00 ftKB		Drinkard		Yes	6,7		730	2.0		
				Drinkard		Yes	6,7		740	2.0		
1,000				Drinkard		Yes	6,7	54 6,	760	2.0	1	-1
			Tubing Stric					STELL				
			Tubing Description Tubing - Pro	on	Run Dat 8/17/2	0.46		String Length (ft) 6.783.76		Set Depth		
1,500		W. Tarana		n Des	Jts	_	Make	0,703,70 Model	Longe	6,793.0 Wt (lb/ft)		Len (
			Tubing	II Das	17			T&C Upset	27/		J-55	5,57
		8			7					1		.2
2,000		×	Anchor/catcl	her	1				27/	3		2.7
2,000		%	Tubing		37			T&C Upset	27/	6.50	J-55	1,17
		%						,				.1
		X	Blast Joint		1				27/	3		32 5
2,500			Seat Nipple		1				2 3/	5.10	N-80	1.1
		W .	Rod Strings		10 mg			The second	e E	Contract Section	रेम, जुल	THE P. LEWIS
		×	Rod Description		Run Dat	le		String Length (ft)	P TOWN SA.	Set Depth	(ftKB)	
3,000		8	Rod		8/17/2	2016		6,787.0	1000	6,787.0		
			NAME AND ADDRESS OF TAXABLE PARTY.	n Des	Jts		Make	Model	00 (in			
		*	Polished Ro	a	1	_		Chromed	1 1/2		PRC	26.0
		&	Pony Rod		1			Slim	_	4.28		4.0
3 500			Pony Rod		1			Slim		4.28		80
		Production, 160.00-7,383.00	Sucker Rod		64			S87 W/SM CPLG/FULL		2.88		1,60
4 000			Sucker Rod		98			S87 W/SM CPLG/FULL	7/	2.15	KD	2,45
			Sucker Rod		97			S87 W/T CPLG/FULL	3/4	1.60	KD	2.42
4,500			Sinker Bar		10				1 1/2	6.01	К	250.
		X	Rod Insert P	ump	1	-			1 1/2		-	24.0
		%	Other In Ho			_						
5.000		%	Description					OD (in) 5 1/2	Top (RKB)	Run D		
		*	CIBP					5 1/2	6,900	8/12	/2005	
		%	Plug Back T	THE R. P. LEWIS CO., LANSING, MICH.	Type			-	10	(fiKB)	Depth (DED (BY
5,500		X	2/4/2013		Type				6,87		6,869	AD) fier
	W	W.	Comments								de annie monte	and the latest designation of
	330	199	Comment									
6,000	502	020						4				
	XX	W										
	## F F											
	180	Plug Back Total Depth; 6.870.00										
6,500		FRKB										
		Abandonment Plug; 6,870 00-										
	X	6,900.00 ft/B CIBP; 6,900.00-6,905.00	1									
7,000		Cist*, 0,500.00*0,503.00										
	Wo	VA.	1									
	RISK .	Cement Plug; 7,337.00-7.383 00										
	254	fikB										
7,500												
			1									