<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

Form C-101 August 1, 2011

Permit 245829

	me and Address ACHE CORP								2. OG	RID Number 873		
303 Veterans Airpark Lane							3. API Number					
Mic	lland, TX 79705									30-015-445	99	
. Property Co		5.	. Property Name			6. Well No.						
319	9579		THUNDERB	IRD A					019H			
				7. Sui	face Location	1						
JL - Lot	Section	Township	Range			From N/S Line		Feet From		E/W Line	County	
1	36	16S	30E	i	22	70	S		350	E		Eddy
				8. Proposed I	Rottom Hole I	ocation						
JL - Lot	Section	Township	Range	Lot Idn	Feet From	<u> </u>	N/S Line	Feet From		E/W Line	County	
L	36	16S	30E	L		70	S		340	W		Eddy
				9. Po	ol Information	1						
LOCO HILLS; GLORIETA-YESO									96718			
	•			Additions	l Well Informa	ation						
11. Work Type		12. Well Type	Δ	13. Cable/Rotary		14. Lease	Tyne	15 G	ound Le	vel Elevation		
New Well OIL			,		State		10. 0.	382				
16. Multiple 17. Proposed Depth			I Depth	18. Formation		19. Contra	ictor	20. Sp	ud Date			
N 9115			Yeso				1/1/	/2018				
epth to Grou	nd water			Distance from neare	st fresh water we	ell		Distan	ce to nea	arest surface water		
We will be	using a closed-loc	p system in lieu	of lined pits									
				21. Proposed Cas	ing and Cem	ent Prog	ıram					
Туре	Hole Size	Casing S	Size (Setting Depth		Sacks of Cement			Estimated TOC	
Surf	17.5	13.37	5	48		400		28	280		0	
Int1	12.25	9.625	5	36		3200		69	690		0	
Prod	8.5	7		29		4200		185			2700	
Prod 8.5 5.5		5.5		17		9115		C	1		2700	ı
Piou												

22. Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	
Annular	2000	1000	

knowledge and b		true and complete to the best of my IMAC ⊠ and/or 19.15.14.9 (B) NMAC		OIL CONSERVATI	ON DIVISION
Printed Name: Electronically filed by Bobby Smith			Approved By:	Raymond Podany	
Title:			Title:	Geologist	
Email Address:	Address: bobby.smith@apachecorp.com			12/15/2017	Expiration Date: 12/15/2019
Date:	12/13/2017	Conditions of Appr	of Approval Attached		

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District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

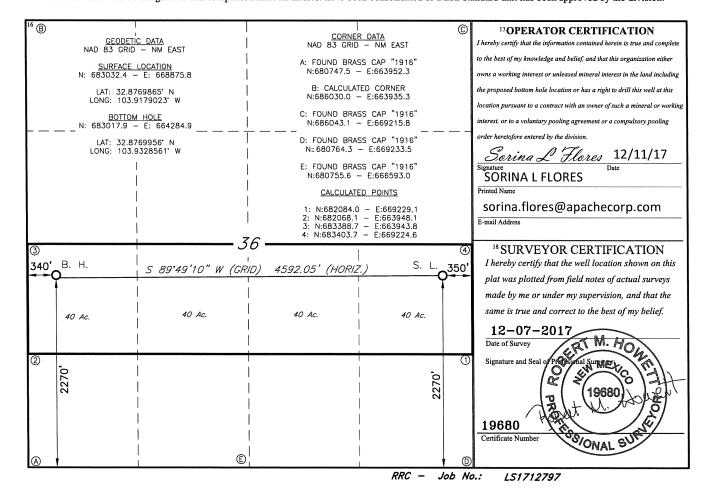
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-				^{2 Pool Co} 6718	de L	me)				
⁴ Property Code 319579				⁵ Property Name THUNDERBIRD A					⁶ Well Number 19H	
7 OGRID NO. 873				8 Operator Name APACHE CORPORATION					⁹ Elevation 3825	
					¹⁰ Surface	Location				
UL or lot no.	Section	Township	p Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County	
I	36	16S	30E		2270	SOUTH	350	EAST	EDDY	
			11]	3ottom	Hole Location	If Different Fr	om Surface			
UL or lot no.	Section	Townshi	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
L	36	16S	30E		2270	SOUTH	340	WEST	EDDY	
12 Dedicated Acres	13 Joint	or Infill	14 Consolidation	Code 1	15 Order No.					
160										

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



Form APD Comments

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

Permit 245829

PERMIT COMMENTS

Operator Name and Address:	API Number:			
APACHE CORP [873]	30-015-44599			
303 Veterans Airpark Lane	Well:			
Midland, TX 79705	THUNDERBIRD A #019H			

Created By Comment Comment Date

Form APD Conditions

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Permit 245829

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:		
APACHE CORP [873]	30-015-44599		
303 Veterans Airpark Lane	Well:		
Midland, TX 79705	THUNDERBIRD A #019H		

OCD Reviewer	Condition
RPodany	Will require a directional survey with the C-104
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing
RPodany	Pit construction and closure must satisfy all requirements of your approved plan.
RPodany	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.