<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 266838

1. Operate		e and Address								2. OGRII	D Number		
		na Resources C									328449		
		2 US Hwy 281 N								3. API N			
	San A	Antonio, TX 782	59								30-025-45896	6	
4. Propert	ty Code			5. Proper	rty Name					6. Well N	۱o.		
	3254	83			ANCHOR 19 35	35 33 STATE				001H			
						7. Su	face Location						
JL - Lot		Section	Township		Range	Lot Idn	Feet From	N/S Line	Feet From		E/W Line	County	
	М	33	1	9S	35E	M	200	S	4	35	W		Lea
						8. Proposed	Bottom Hole Location	n					
JL - Lot		Section	Township		Range	Lot Idn	Feet From	N/S Line	Feet From		E/W Line	County	
	D	33		9S	35E	D	100	N		30	W		Lea

9. Pool Information

KLEIN RANCH;WOLFCAMP	96989

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation				
New Well	OIL		State	3691				
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date				
N	16140	Wolfcamp		6/1/2019				
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water				

■ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1906	1110	0
Int1	12.25	9.625	40	4100	630	0
Prod	8.75	5.5	20	16140	820	3600

Casing/Cement Program: Additional Comments

22. Proposed	Players	Drovention	Drogram
ZZ. FTOPOSEU	Diowout	Frevention	riogram

Туре	Working Pressure	Test Pressure	Manufacturer	
Annular	3000	3000	Shaffer	
Double Ram	5000	5000	Shaffer	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.				OIL CONSERVATION	ON DIVISION
Signature:				D. LEIK A	
Printed Name:	Electronically filed by Robert	Swann	Approved By:	Paul F Kautz	
Title:	Title:			Geologist	
Email Address: rswann@catenares.com		Approved Date:	5/3/2019	Expiration Date: 5/3/2021	
Date:	5/1/2019	Phone: 210-775-6993	Conditions of App	roval Attached	

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Form APD Comments

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Permit 266838

PERMIT COMMENTS

Operator Name and Address:	API Number:		
Catena Resources Operating, LLC [328449]	30-025-45896		
18402 US Hwy 281 N	Well:		
San Antonio, TX 78259	ANCHOR 19 35 33 STATE #001H		

Created By	Comment	Comment Date
pkautz	REQUESTED a GCP on 05/03/2019.	5/3/2019

Form APD Conditions

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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:		
Catena Resources Operating, LLC [328449]	30-025-45896		
18402 US Hwy 281 N	Well:		
San Antonio, TX 78259	ANCHOR 19 35 33 STATE #001H		

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface 2) PRODUCTION CASING - Cement must tie back into intermediate casing
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.