

District I
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

District IV
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

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address Catena Resources Operating, LLC 18402 US Hwy 281 N San Antonio, TX 78259		2. OGRID Number 328449
4. Property Code 325483		3. API Number 30-025-45896
5. Property Name ANCHOR 19 35 33 STATE		6. Well No. 001H

7. Surface Location

UL - Lot M	Section 33	Township 19S	Range 35E	Lot Idn M	Feet From 200	N/S Line S	Feet From 435	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot D	Section 33	Township 19S	Range 35E	Lot Idn D	Feet From 100	N/S Line N	Feet From 330	E/W Line W	County Lea
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9. Pool Information

KLEIN RANCH;WOLFCAMP	96989
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3691
16. Multiple N	17. Proposed Depth 16140	18. Formation Wolfcamp	19. Contractor	20. Spud Date 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

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22. Proposed Blowout Prevention Program

Type	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: Printed Name: Electronically filed by Robert Swann Title: Email Address: rswann@catenares.com Date: 5/1/2019	<div style="text-align: center;">OIL CONSERVATION DIVISION</div> Approved By: Paul F Kautz Title: Geologist Approved Date: 5/3/2019 Expiration Date: 5/3/2021 Conditions of Approval Attached
Phone: 210-775-6993	

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Form APD Comments

Permit 266838

PERMIT COMMENTS

Operator Name and Address: Catena Resources Operating, LLC [328449] 18402 US Hwy 281 N San Antonio, TX 78259		API Number: 30-025-45896
		Well: ANCHOR 19 35 33 STATE #001H
Created By	Comment	Comment Date
pkautz	REQUESTED a GCP on 05/03/2019.	5/3/2019

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Form APD Conditions

Permit 266838

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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Catena Resources Operating, LLC [328449] 18402 US Hwy 281 N San Antonio, TX 78259	API Number: 30-025-45896
	Well: 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.