

**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 Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**HOBBS OCD**  
**FEB 07 2019**  
**RECEIVED**

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

Form C-101  
Revised July 18, 2013

☐ AMENDED REPORT

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

Operator Name and Address Catena Resources Operating, LLC 18402 US Highway 281 N, Suite 258 San Antonio TX 78259 (210) 319-7557		OGRID Number 328127 328449
Property Code 325008		API Number 30-025- 45632
Property Name Anchor 1935E28 193528 STATE COM		Well No. 2H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	21	19 S	35 E		600	S	930	E	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
M P	33	19 S	35 E		100	S	990	E	Lea

**9. Pool Information**

Pool Name Pearl; Bone Spring	Pool Code 49680
---------------------------------	--------------------

11. Work Type N	12. Well Type O	13. Cable/Rotary R	14. Lease Type P	15. Ground Level Elevation 3776'
16. Multiple N	17. Proposed Depth TVD: 10778' MD: 21367'	18. Formation Bone Spring	19. Contractor to be determined	20. Spud Date upon approval
Depth to Ground water 20' in L 02250		Distance from nearest fresh water well 1292' west of L 02250		Distance to nearest surface water ≈3200' SE of stock tank

A closed-loop system will be used 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
Surface	17.5"	13.375"	54.5	GL - 1850'	1070 lead + 320 tail	GL
Intermediate	12.25"	9.625"	40.0	GL - 4100'	630 lead + 250 tail	GL
Production	8.75"	5.5"	20.0	GL - 21367'	720 lead + 3080 tail	3600'

**Casing/Cement Program: Additional Comments**

**22. Proposed Blowout Prevention Program**

Type	Working Pressure (psi)	Test Pressure (psi)	Manufacturer
annular and single & double rams	ann: 3000 and rams: 5000	ann: 3000 and rams: 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 that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

*Brian Wood*

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: 2-5-19

Phone: 505 466-8120

**OIL CONSERVATION DIVISION**

Approved By:

*[Signature]*

Title:

Petroleum Engineer

Approved Date:

02/22/19

Expiration Date:

02/22/21

Conditions of Approval Attached

**See Attached**

**Conditions of Approval**