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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

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

MAR 05 2019
☐ AMENDED REPORT
DISTRICT II-ARTESIA O.C.D.

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

¹ Operator Name and Address VANGUARD OPERATING, LLC 5847 SAN FELIPE, STE. 3000 HOUSTON, TEXAS, 77057		² OGRID Number 258350
³ API Number 30-015-42306		
⁴ Property Code 315335	⁵ Property Name WELCH RL STATE	⁶ Well No. 21

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
E	28	17S	28E		2,265	NORTH	965	WEST	EDDY

9. Pool Information

Pool Name	Pool Code
Artesia; Glorieta-Yeso & Artesia; Red Lake; San Andres	96830; 97253

Additional Well Information

¹¹ Work Type P	¹² Well Type O	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3,633'
¹⁶ Multiple No	¹⁷ Proposed Depth 3,650'	¹⁸ Formation GI-Ye & SA	¹⁹ Contract 06/09/2015	²⁰ Spud Date 06/09/2015
Depth to Ground water 40'	Distance from nearest fresh water well 3.6 miles	Distance to nearest surface water 8.5 miles		

☐ 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
Surface	11"	8-5/8"	24# J-55	478'	400	SURF
Prod	7-7/8"	5-1/2"	17# J-55	3,645'	675	SURF

Casing/Cement Program: Additional Comments

This well has been drilled and completed in the Yeso. This application is to plug back from the Yeso and Recomplete to San Andres. Details of the proposed recompletion are included in the attached C-103. After a test of the San Andres alone and approval of a DHC application, the CBP isolating the Yeso will be drilled out and the well will be DHC.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

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: *Kyle Zimmerman*

Printed name: Kyle Zimmerman

Title: Operations Engineer

E-mail Address: kzimmerman@vnenergy.com

Date: 03/05/2019

Phone: 432-202-0145

OIL CONSERVATION DIVISION

Approved By:

Raymond W. Polansky

Title: Geologist

Approved Date: 27 March 19 Expiration Date: 27 March 21

Conditions of Approval Attached

Rev.
11-11-19