

District I
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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

HOBBS OCD

Form C-101
Revised July 18, 2013

DEC 05 2013 AMENDED REPORT

RECEIVED

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

¹ Operator Name and Address CAZA OPERATING, LLC. 200 NORTH LORAIN SUITE 1550 MIDLAND, TEXAS		² OGRID Number 249099
		³ API Number 30-025-41536
⁴ Property Code 40064	⁵ Property Name WEST COPPERLINE 29 STATE COM.	⁶ Well No. 3H

7. Surface Location

UL - Lot C	Section 29	Township 23S	Range 34E	Lot Idn	Feet from 150'	N/S Line NORTH	Feet From 1980'	E/W Line WEST	County LEA
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8. Proposed Bottom Hole Location

UL - Lot NF	Section 29	Township 23S	Range 34E	Lot Idn	Feet from 2308'	N/S Line NORTH	Feet From 1980	E/W Line WEST	County LEA
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9. Pool Information

WOLFCAMP-WILDCAT WG-025 G-08 S23340J; WOLFCAMP	¹⁰ Pool Name WG-025 G-08 S23340J; WOLFCAMP	¹¹ Pool Code 97965
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Additional Well Information

¹² Work Type N	¹³ Well Type O	¹⁴ Cable/Rotary ROTQRY	¹⁵ Lease Type S	¹⁶ Ground Level Elevation 3539'
¹⁷ Multiple NO	¹⁸ Proposed Depth MD-13423'TVD11470'	¹⁹ Formation WOLFCAMP	²⁰ Contractor UNKNOWN	²¹ Spud Date WHEN APPROVED
²² Depth to Ground water 250±'		²³ Distance from nearest fresh water well 1.5 miles Northeast		²⁴ Distance to nearest surface water NA

☒ 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	17 1/2"	13 3/8"	54.5#	1150'	874 Sx	SURFACE
INTERMED.	12 1/4"	9 5/8"	40#	5085'	1290 Sx	SURFACE
PROD.	8 3/4"	5 1/2"	20#	13,423'	1640 Sx.	4500' FROM SURF.

Casing/Cement Program: Additional Comments

SEE ATTACHED SHEET

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DOUBLE RAM	5000	2000 PSI	CAMERON

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: *Joe T. Janica*

Printed name: **Joe T. Janica**

Title: **Permit Eng.**

E-mail Address: **joejanica@valornet.com**

Date: **12/05/13**

Phone: **575-391-8503**

OIL CONSERVATION DIVISION

Approved By: *[Signature]*

Title: **Petroleum Engineer**

Approved Date: **12/06/13**

Expiration Date: **12/06/15**

Conditions of Approval Attached

DEC 10 2013

DM

1. Drill 26" hole to 144'. Set 144' of 20" conductor pipe (welded) Cement with Redi-mix to surface.
2. Drill 17½" hole to 1150' or 25' into the Rustler Anhydrite. Run and set 1150' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 674 Sx. of Class "C" cement + 4% Gel, + 2% CaCl, Yield 1.74, tail in with 200 Sx. of Class "C" cement + 2% CaCl, Yield 1.34 50% Excess circulate cement to surface.
3. Drill 12½" hole to 5085'. Run and set 5085' of 9 5/8" 40# casing as follows: 1100' of 9 5/8" 40# HCK-55 LT&C, 3985' of 9 5/8" 40# J-55 LT&C casing. Cement with 990 Sx. of Class "C" 35/65 POZ cement + 6% Gel, + 5% Salt, Yield 2.09, tail in with 300 Sx. of Class "C" cement + 1% CaCl, Yield 1.32, 50% Excess, circulate cement to surface.
4. Drill 8 3/4" hole to 11,900'. Run open hole logs then plug back to 10,900' with 477 Sx. of Class "H" cement = fluid loss control, + defoamer, Yield 1.18 35% Excess.
5. Dress off top of cement plug to 10,900'. (KOP). Drill 8 3/4" hole to a total measured depth of 13,424' (TVD-11,470'). Run and set 13,424' of 5½" 20# HCP-110 BT&C casing. Cement with 1394 Sx. of Class "H" 35/65 POZ cement + 1 lb/Sx. of Kol Seal, + retarder, Yield 1.93, tail in with 245 Sx. of Class "H" SoluCem + fluid loss control and defoamer, Yield 2.61. 35% Excess estimate top of cement 4500' FROM SURFACE.