

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

Form C-101
Revised July 18, 2013

Oil Conservation Division

HOBBS OGD

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

MAY 30 2014

[H]

RECEIVED

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

¹ Operator Name and Address CAZA OPERATING, LLC. 200 NORTH LORRAINE SUITE 1550 MIDLAND, TEXAS 79701		⁴ OGRID Number 249099
		⁵ API Number 30-025- 41883
³ Property Code 39020	² Property Name CAZA RIDGE 14 STATE	
		⁶ Well No. 5H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	14	23S	34E		330'	SOUTH	460'	EAST	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	14	23S	34E		330'	NORTH	460'	EAST	LEA

9. Pool Information

Pool Name	Pool Code
ANTELOPE RIDGE-BONE SPRING WEST	2209

Additional Well Information

¹¹ Work Type N	¹² Well Type O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3365'
¹⁶ Multiple NO	¹⁷ Proposed Depth MD-14,650'	¹⁸ Formation BONE SPRING	¹⁹ Contractor UNKNOWN	²⁰ Spud Date WHEN APPROVED
Depth to Ground water 235'		Distance from nearest fresh water well 1 well 2 miles South		Distance to nearest surface water None known

☒ 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#	750' 1195'	615 Sx.	Surface
Intermed.	12 1/4"	9 5/8"	40 #	4950'	1440 Sx.	Surface
Prod.	8 3/4"	5 1/2"	20#	14,650'	1756 Sx.	4200' F. Surface

Casing/Cement Program: Additional Comments

SEE ATTACHED SHEET

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000 PSI	5000 PSI	Schaffer or 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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Joe T. Janica</i>		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved By: <i>[Signature]</i>	
Title: Permit Eng.		Title:	
E-mail Address: joejanica@valornet.com		Approved Date: 06/02/14 Expiration Date: 06/02/16	
Date: 05/30/14	Phone: 575-391-8503	Conditions of Approval Attached	

See Attached
Conditions of Approval

JUN 02 2014

CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-41883	Caza Operating LLC	Caza Ridge 14 State # 5H

Applicable conditions of approval marked with XXXXXX

Administrative Orders Required

	Will require administrative order for non-standard location prior to placing the well on production
	Will require administrative order for non-standard spacing unit
	Will require administrative order for DHC prior to placing the well on production
	Will require form C-103 for pre-approved pools for downhole commingling prior to production. R-11363
	Will require administrative order for injection or disposal prior to injection or disposal

Other wells

	Spacing rule violation. Operator must follow up with Change of Status notification on other well to be shut in or abandoned

Drilling

XXXXXXX	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

Casing

XXXXXXX	SURFACE & INTERMEDIATE(1) CASING - Cement must circulate to surface --
	INTERMEDIATE2 CASING - Cement must tie back into intermediate casing --
XXXXXXX	PRODUCTION CASING - Cement must tie back into intermediate casing --
	PRODUCTION CASING - Cement must circulate to surface --
	Liner – Cement must tie back into production casing
	South Area
XXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
	North Area
	Surface casing minimum setting depth of 350' and at least 50' into the red beds whichever is greater.

1. Drill 26" hole to 40'. set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 750'. Run and set 750' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 315 Sx. of Class "C" cement + 4% Gel, + 2% CaCl, Yield 1.74, tail in with 300 Sx. of Class "C" cement + 2% CaCl, yield 1.33. 75% excess circulate cement to surface.
3. Drill 12¼" hole to 4950'. Run and set 4950' of 9 5/8" casing as follows: 950' of 9 5/8" 40# HCK-55 LT&C casing, 4000' of 9 5/8" 40# J-55 LT&C casing. Cement with 1090 Sx. of 35/65 Class "C" POZ cement + 5% Salt, + 6% Gel, Yield 2.9, tail in with 350 Sx. of Class "C" cement + 1% CaCl, Yields 1.32. 50% excess top fo cement surface.
4. Drill 8 3/4" hole to 9700' - KO point, drill curve with 8 3/4" bit to a TVD of 10,235' 10235' continue lateral hole with 8 3/4" bit to a MD of 14,650'. Cement with 1037 Sx. of 35/65 Class "H" cement + 1#/Sx. of Kol Seal, # retarder, Yield 1.93, tail in with 719 Sx. of Class "H" SoluCem (Acid soluble) cement + fluid loss control, control, + defoamer, Yield 2.61, Estimate top of cement 4200' from surface.