

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 252660

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

1. Operator Name and Address CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701		2. OGRID Number 249099
4. Property Code 321446		3. API Number 30-025-44808
5. Property Name GRAMMA RIDGE		6. Well No. 005H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	27	21S	34E	O	376	S	2142	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
B	27	21S	34E	B	255	N	2293	E	Lea

9. Pool Information

GRAMA RIDGE;BONE SPRING, NE	28435
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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 3680
16. Multiple N	17. Proposed Depth 14424	18. Formation Bone Spring	19. Contractor	20. Spud Date 7/1/2018
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	1785	1350	0
Int1	12.25	9.625	40	3900	1400	0
Int1	12.25	9.625	40	5500	715	3900
Prod	8.75	5.5	17	14424	3400	0

Casing/Cement Program: Additional Comments

Possible use of a DV tool if losses occur in the Capitan. If losses occur DV tool placement will be 100' above the loss zone. Cement volumes will be adjusted accordingly for a 2 stage cement job.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Schaffer
Double Ram	5000	5000	Schaffer

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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: Printed Name: Electronically filed by Steve Morris Title: Email Address: steve.morris@mojoenergy.com Date: 5/18/2018	OIL CONSERVATION DIVISION Approved By: Paul F Kautz Title: Geologist Approved Date: 5/21/2018 Expiration Date: 5/21/2020 Conditions of Approval Attached
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Form APD Comments

Permit 252660

PERMIT COMMENTS

Operator Name and Address: CAZA OPERATING, LLC [249099] 200 N Loraine St Midland, TX 79701		API Number: 30-025-44808
		Well: GRAMMA RIDGE #005H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 252660

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CAZA OPERATING, LLC [249099] 200 N Loraine St Midland, TX 79701	API Number: 30-025-44808
	Well: GRAMMA RIDGE #005H

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 575-370-3186 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.