

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 228171

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

1. Operator Name and Address CIMAREX ENERGY CO. 600 N MARIENFELD STREET MIDLAND, TX 79701		2. OGRID Number 215099
4. Property Code 317083		3. API Number 30-025-43467
5. Property Name WEST GRAMA RIDGE 8 STATE		6. Well No. 002

7. Surface Location

UL - Lot	N	Section	8	Township	22S	Range	34E	Lot Idn	N	Feet From	330	N/S Line	S	Feet From	1980	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	N	Section	8	Township	22S	Range	34E	Lot Idn	N	Feet From	330	N/S Line	S	Feet From	1980	E/W Line	W	County	Lea
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9. Pool Information

GRAMA RIDGE;BONE SPRINGS, WEST	28432
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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 3529
16. Multiple N	17. Proposed Depth 11800	18. Formation Bone Spring	19. Contractor	20. Spud Date 12/15/2016
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	1580	971	0
Int1	12.25	9.625	40	5160	1242	0
Prod	8.75	7	32	11670	398	4960

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	Cameron
Double Ram	3000	3000	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 I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: _____ Printed Name: Electronically filed by Geneva A Holloway Title: Prod Admin Supervisor Email Address: gholloway@cimarex.com Date: 11/4/2016	<div style="text-align: center;">OIL CONSERVATION DIVISION</div> Approved By: Paul Kautz Title: Geologist Approved Date: 11/4/2016 Expiration Date: 11/4/2018 Conditions of Approval Attached
Phone: 918-295-1658	

DISTRICT I

1025 N. French Dr., Hobbs, NM 88240
Phone (505) 393-8101 Fax: (505) 393-8720

DISTRICT II

611 S. First St., Artesia, NM 88210
Phone (505) 746-1203 Fax: (505) 746-0725

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 354-8170 Fax: (505) 354-8170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3400 Fax: (505) 476-3402

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 28432	Pool Name Grama Ridge; Bone Springs, West
Property Code	Property Name WEST GRAMA RIDGE 8 STATE	Well Number 2
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3529'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	22 S	34 E		330	SOUTH	1980	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	22 S	34 E		330	South	1980	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Amithy Crawford</i> 11/2/16 Signature Date</p> <p>Amithy Crawford Printed Name acrawford@Cimarex.com Email Address</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>DATE SURVEYED: FEBRUARY 2012 NEW MEXICO Professional Surveyor 7877 Certificate No. Garry L. Jones 7977 BASIN SURVEYS 26188</p>
	<p>SURFACE LOCATION</p> <p>Lat - N 32°23'59.60" Long - W 103°29'39.12" NMSPCE-- N 510227.2 E 800327.9 (NAD-83)</p>

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Santa Fe, NM 87505

Form APD Comments

Permit 228171

PERMIT COMMENTS

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-43467
	Well: WEST GRAMA RIDGE 8 STATE #002

Created By	Comment	Comment Date
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Santa Fe, NM 87505

Form APD Conditions

Permit 228171

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-43467
	Well: WEST GRAMA RIDGE 8 STATE #002

OCD Reviewer	Condition
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
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	Operator shall notify appropriate District office when setting conductor pipe.
pkautz	The Operator is to notify NMOCDD by sundry within ten (10) days of spudding a well.
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs.
pkautz	If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186
pkautz	Must notify OCD Hobbs Office of any water flows in the Castile Formation at 575-370-3186. Report depth and flow rate
pkautz	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.