

**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 247720

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

1. Operator Name and Address CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202		2. OGRID Number 372165
4. Property Code 318036		3. API Number 30-025-44499
5. Property Name VITALIZER STATE		6. Well No. 502H

**7. Surface Location**

UL - Lot P	Section 33	Township 21S	Range 34E	Lot Idn P	Feet From 330	N/S Line S	Feet From 450	E/W Line E	County Lea
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**8. Proposed Bottom Hole Location**

UL - Lot A	Section 33	Township 21S	Range 34E	Lot Idn A	Feet From 330	N/S Line N	Feet From 450	E/W Line E	County Lea
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**9. Pool Information**

GRAMA RIDGE;BONE SPRING	28430
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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 3629
16. Multiple N	17. Proposed Depth 14800	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 3/8/2018
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	1705	1458	0
Int1	12.25	9.625	40	5700	1250	0
Prod	8.75	5.5	20	14800	2100	0

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Pipe	10	5	Please see comments

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:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Heidi Kaczor	Approved By: Paul Kautz
Title: Regulatory Manager	Title: Geologist
Email Address: heidi.kaczor@cdevinc.com	Approved Date: 2/21/2018      Expiration Date: 2/21/2020
Date: 2/20/2018      Phone: 720-763-8075	Conditions of Approval Attached

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State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-102  
 August 1, 2011  
 Permit 247720

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-44499	2. Pool Code 28430	3. Pool Name GRAMA RIDGE;BONE SPRING
4. Property Code 318036	5. Property Name VITALIZER STATE	6. Well No. 502H
7. OGRID No. 372165	8. Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	9. Elevation 3629

10. Surface Location

UL - Lot P	Section 33	Township 21S	Range 34E	Lot Idn P	Feet From 330	N/S Line S	Feet From 450	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 33	Township 21S	Range 34E	Lot Idn A	Feet From 330	N/S Line N	Feet From 450	E/W Line E	County Lea
12. Dedicated Acres 160.00	13. Joint or Infill		14. Consolidation Code				15. Order No.		

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

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OPERATOR CERTIFICATION

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(s) 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.

E-Signed By: Heidi Kaczor  
 Title: Regulatory Manager  
 Date: 2/20/2018

SURVEYOR CERTIFICATION

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.

Surveyed By: Paul Buchele  
 Date of Survey: 1/18/2018  
 Certificate Number: 23782

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**Santa Fe, NM 87505**

Form APD Comments

Permit 247720

**PERMIT COMMENTS**

Operator Name and Address: CENTENNIAL RESOURCE PRODUCTION, LLC [372165] 1001 17th Street, Suite 1800 Denver, CO 80202	API Number: 30-025-44499
	Well: VITALIZER STATE #502H

Created By	Comment	Comment Date
MALuke	BOP will be a triple ram, 2 pipe, 1 blind. Working pressure of 10000psi, and test pressure of 5000psi. Manufacturer is Cameron	1/29/2018
pkautz	GCP requested 02/05/2018	2/6/2018
pkautz	Paper C-102 requested 02/06/2018	2/6/2018
pkautz	REJECTED - GAS CAPTURE PLAN not submitted	2/20/2018
pkautz	REJECTED - GAS CAPTURE PLAN not submitted	2/20/2018
MALuke	Gas Capture Plan - sent in via email. 2/20/2018.	2/20/2018
pkautz	received GCP 02/21/2018	2/21/2018

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Form APD Conditions

Permit 247720

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: CENTENNIAL RESOURCE PRODUCTION, LLC [372165] 1001 17th Street, Suite 1800 Denver, CO 80202	API Number: 30-025-44499
	Well: VITALIZER STATE #502H

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.