

**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 232892

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

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City, OK 73102		2. OGRID Number 6137
4. Property Code 317514		3. API Number 30-015-44097
5. Property Name EMERALD PWU 20 21		6. Well No. 012H

**7. Surface Location**

UL - Lot	M	Section	20	Township	19S	Range	29E	Lot Idn	Feet From	15	N/S Line	S	Feet From	265	E/W Line	W	County	Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot	P	Section	21	Township	19S	Range	29E	Lot Idn	P	Feet From	440	N/S Line	S	Feet From	330	E/W Line	E	County	Eddy
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**9. Pool Information**

PARKWAY;BONE SPRING, WEST	98199
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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 3314
16. Multiple N	17. Proposed Depth 18958	18. Formation Bone Spring	19. Contractor	20. Spud Date 4/20/2017
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	48	350	395	0
Int1	12.25	9.625	40	3450	1093	0
Prod	8.75	5.5	17	18958	2818	2450

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
Double Ram	3000	3000	
Annular	3000	3000	
Double Ram	3000	3000	

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 Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dvn.com Date: 3/8/2017	Approved By: Raymond Podany Title: Geologist Approved Date: 3/9/2017 Conditions of Approval Attached
Phone: 405-228-8588	Expiration Date: 3/9/2019

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**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 232892

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-44097	2. Pool Code 98199	3. Pool Name PARKWAY;BONE SPRING, WEST
4. Property Code 317514	5. Property Name EMERALD PWU 20 21	6. Well No. 012H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3314

**10. Surface Location**

UL - Lot M	Section 20	Township 19S	Range 29E	Lot Idn	Feet From 15	N/S Line S	Feet From 265	E/W Line W	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot P	Section 21	Township 19S	Range 29E	Lot Idn	Feet From 440	N/S Line S	Feet From 330	E/W Line E	County Eddy
12. Dedicated Acres 320.00	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**

<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc; opacity: 0.5;"></div> <div style="position: absolute; bottom: 0; right: 0; width: 20px; height: 20px; background-color: #ff00ff; border: 1px solid black;"></div> </div>	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>E-Signed By: Randy Bolles Title: Manager, Regulatory Affairs Date: 3/8/2017</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>Surveyed By: Frank Jaramillo Date of Survey: 2/9/2017 Certificate Number: 12797</p>
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**Santa Fe, NM 87505**

Form APD Comments

Permit 232892

**PERMIT COMMENTS**

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-44097
	Well: EMERALD PWU 20 21 #012H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 232892

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-44097
	Well: EMERALD PWU 20 21 #012H

OCD Reviewer	Condition
RPodany	Will require a directional survey with the C-104
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing