

**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 184235

**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 40505		3. API Number 30-015-42321
5. Property Name Cottontail 16 State Com		6. Well No. 001H

**7. Surface Location**

UL - Lot O	Section 16	Township 25S	Range 29E	Lot Idn	Feet From 150	N/S Line S	Feet From 1950	E/W Line E	County Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot B	Section 16	Township 25S	Range 29E	Lot Idn B	Feet From 330	N/S Line N	Feet From 1980	E/W Line E	County Eddy
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**9. Pool Information**

WILLOW LAKE;BONE SPRING, SOUTHEAST	96217
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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 2969
16. Multiple N	17. Proposed Depth 13321	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 6/10/2014
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	700	765	0
Int1	12.25	9.625	48	2950	515	0
Prod	8.75	5.5	17	13321	1545	4750

**Casing/Cement Program: Additional Comments**

Cementing Program (cement volumes based on at least Surface 100% excess, Intermediate 75% excess and Production Casing is 25% excess) ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA. TOC for All Strings: Surface: 700 ft 0ft (700ft of fill of Tail) Intermediate: 2950ft 0ft (1950ft of Lead & 1000 ft of fill of Tail) Production Casing: 13321ft 4750ft (1444ft of Lead #1, 2000ft of fill of Lead #2 & 5127ft of fill of Tail)

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.  Signature: _____ Printed Name: Electronically filed by Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dvn.com Date: 4/16/2014	<b>OIL CONSERVATION DIVISION</b>  Approved By: Randy Dade Title: District Supervisor Approved Date: 4/16/2014 Conditions of Approval Attached
	Expiration Date: 4/16/2016

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Form C-102  
August 1, 2011  
Permit 184235

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-42321	2. Pool Code 96217	3. Pool Name WILLOW LAKE;BONE SPRING, SOUTHEAST
4. Property Code 40505	5. Property Name Cottontail 16 State Com	6. Well No. 001H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 2969

**10. Surface Location**

UL - Lot O	Section 16	Township 25S	Range 29E	Lot Idn	Feet From 150	N/S Line S	Feet From 1950	E/W Line E	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot B	Section 16	Township 25S	Range 29E	Lot Idn	Feet From 330	N/S Line N	Feet From 1980	E/W Line E	County Eddy
12. Dedicated Acres 160.00			13. Joint or Infill		14. Consolidation Code Communitization			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**

	<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: 4/16/2014</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: Filmon F. Jaramillo Date of Survey: 6/1/2013 Certificate Number: 12797</p>
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**Santa Fe, NM 87505**

Form APD Comments

Permit 184235

**PERMIT COMMENTS**

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-42321
	Well: Cottontail 16 State Com #001H

Created By	Comment	Comment Date
coucht	The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the surface casing shoe. The BOP system used to drill the production hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the intermediate casing shoe. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.	4/15/2014
CSHAPARD	Land s/s	4/16/2014

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Form APD Conditions

Permit 184235

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-015-42321
		Well: Cottontail 16 State Com #001H

OCD Reviewer	Condition
CSHAPARD	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