

**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) 334-6178 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 173084

**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
		3. API Number 30-015-41649
4. Property Code 40125	5. Property Name Cotton Draw Unit SWD	6. Well No. 181

**7. Surface Location**

UL - Lot H	Section 36	Township 24S	Range 31E	Lot Idn H	Feet From 1568	N/S Line N	Feet From 1189	E/W Line E	County Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot H	Section 36	Township 24S	Range 31E	Lot Idn H	Feet From 1568	N/S Line N	Feet From 1189	E/W Line E	County Eddy
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**9. Pool Information**

SWD;DEVONIAN	96101
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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 3511
16. Multiple N	17. Proposed Depth 19770	18. Formation Devonian	19. Contractor	20. Spud Date 10/1/2013
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	26	20	94	750	1750	0
Int1	17.5	13.375	68	4400	1910	0
Int2	12.25	9.625	47	11650	1930	3500
Prod	8.5	7	32	16742	800	10500
Surf	5.875	0	0	19770	0	0

**Casing/Cement Program: Additional Comments**

20" Surface: Tail: 1750 sx Cl C Cmt +2% CACI2 +3#Kol seal/sk @ 14.8 ppg, Yield: 1.33 cf/sk, TOC @ Surf. 13-3/8" 1st Inter: Lead: 1360 sx Cl C Cmt + 2% bwoc CACI2 + 0.125 lbs/sk Poly-E-Flake + 4% bwoc Bent + 70.1% FW, 12.9 ppg, Yld: 1.85 cf/sk, TOC @ surf, Tail: 550 sx Cl C Cmt + 2% bwoc CACI2, Yld: 1.33 cf/sk 9-5/8" 2nd Inter: Lead: 1460 sx (65:35) Cl C Cmt:Poz (Fly Ash): + 5% bwoc NACI + 0.125 lbs/sk Poly-E-Flake + 6% bwoc Bent + 70.9% FW, 11.5 ppg, Yld: 2.57 cf/sk, TOC @ 3500, Tail: 470 sx Cl C Cmt + 0.125 lbs/sk Poly-E-Flake + 63.5% Wtr, 14.4 ppg, Yld: 1.33 cf/sk, 7" Prod: Tail: 800 sx (50:50) Cl H Cmt:Poz (Fly Ash) + 1 lb/sk NACI + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bent + 58.8% FW, 14.5 ppg, Yld: 1.22 cf/sk TOC for All Strings: Surface: 0, 1st Intermediate: 0, 2nd Intermediate: 3,500, Production: 10,500' ft Note: This will be an open hole completion, thus the hole interval is deeper than the 7" production casing depth.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	

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 Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmv.com Date: 9/10/2013	<b>OIL CONSERVATION DIVISION</b>  Approved By: Randy Dade Title: District Supervisor Approved Date: 9/11/2013      Expiration Date: 9/11/2015 Conditions of Approval Attached
Phone: 405-228-8588	

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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 173084

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-41649	2. Pool Code 96101	3. Pool Name SWD;DEVONIAN
4. Property Code 40125	5. Property Name Cotton Draw Unit SWD	6. Well No. 181
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3511

**10. Surface Location**

UL - Lot H	Section 36	Township 24S	Range 31E	Lot Idn	Feet From 1568	N/S Line N	Feet From 1189	E/W Line E	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00				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**

<table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> </table>																	<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:                9/10/2013</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:    8/2/2013 Certificate Number: 12797</p>

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Form APD Comments

Permit 173084

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**PERMIT COMMENTS**

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-41649
	Well: Cotton Draw Unit SWD #181

Created By	Comment	Comment Date
priechers	The BOP system used to drill the 26" hole will consist of a 30" 2M Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a 2M system prior to drilling out the casing shoe. The BOP system used to drill the 17-1/2" hole will consist of a 20" 2M Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a 2M system prior to drilling out the casing shoe. The BOP system used to drill the 12-1/4" and 8-1/2" holes will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil	9/10/2013
priechers	The BOP system used to drill the 12-1/4" and 8-1/2" holes will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a 5M system prior to drilling out the casing shoe.	9/10/2013
priechers	The BOP system used to drill the 12-1/4" and 8-1/2" holes will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a 5M system prior to drilling out the casing shoe.	9/10/2013
priechers	The BOP system used to drill the 12-1/4" and 8-1/2" holes will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a 5M system prior to drilling out the casing shoe.	9/10/2013
priechers	The pipe rams will be operated and checked as per Onshore Order No 2. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. 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 5,000 psi WP.	9/10/2013
CSHAPARD	Well Type: SWD	9/11/2013

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Form APD Conditions  
Permit 173084

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-41649
	Well: Cotton Draw Unit SWD #181
OCD Reviewer	Condition