

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 173252

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 40127		3. API Number 30-015-41651
5. Property Name Black River 16 SWD		6. Well No. 001

7. Surface Location

UL - Lot K	Section 16	Township 24S	Range 27E	Lot Idn K	Feet From 2631	N/S Line S	Feet From 2613	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot K	Section 16	Township 24S	Range 27E	Lot Idn K	Feet From 2631	N/S Line S	Feet From 2613	E/W Line W	County Eddy
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9. Pool Information

SWD;DEVONIAN-SILURIAN	97869
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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 3190
16. Multiple N	17. Proposed Depth 15500	18. Formation Devonian	19. Contractor	20. Spud Date 10/12/2013
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	500	1200	0
Int1	17.5	13.375	61	2000	1430	0
Int2	12.25	9.625	47	9150	1990	0
Int3	8.5	7	29	12990	1130	0
Prod	6.125	0	0	15500	0	0

Casing/Cement Program: Additional Comments

****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	2000	5000	
Double Ram	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@dmn.com Date: 9/12/2013	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 9/16/2013 Expiration Date: 9/16/2015 Conditions of Approval Attached
Phone: 405-228-8588	

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Form C-102
August 1, 2011
Permit 173252

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-41651	2. Pool Code 97869	3. Pool Name SWD;DEVONIAN-SILURIAN
4. Property Code 40127	5. Property Name Black River 16 SWD	6. Well No. 001
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3190

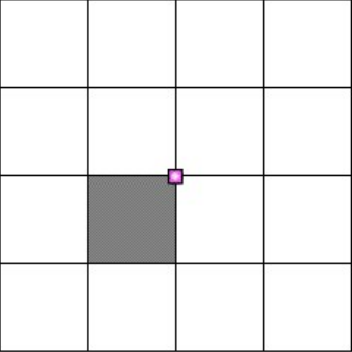
10. Surface Location

UL - Lot K	Section 16	Township 24S	Range 27E	Lot Idn	Feet From 2631	N/S Line S	Feet From 2613	E/W Line W	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

	<p style="text-align: center;">OPERATOR CERTIFICATION</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: 9/12/2013</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</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: 6/13/2013 Certificate Number: 12797</p>
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Form APD Comments

Permit 173252

PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-41651
	Well: Black River 16 SWD #001

Created By	Comment	Comment Date
RDELONG	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.	9/12/2013
RDELONG	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.	9/12/2013
RDELONG	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.	9/12/2013
RDELONG	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.	9/12/2013
CSHAPARD	Land s/S	9/13/2013
CSHAPARD	Proposed well is Salt Water Disposal	9/13/2013

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Form APD Conditions
Permit 173252

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-015-41651
		Well: Black River 16 SWD #001
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	