

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

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

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 20 N Broadway Oklahoma City, OK 73102		2. OGRID Number 6137
		3. API Number 30-025-40173
4. Property Code 38639	5. Property Name BLACK MAMBA 15 STATE COM	6. Well No. 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	15	23S	33E	D	150	N	660	W	LEA

8. Pool Information

CRUZ,DELAWARE, NORTHEAST	96724
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3699
14. Multiple N	15. Proposed Depth 13733	16. Formation Delaware	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1380	1090	
Int1	12.25	9.625	40	5270	1570	
Prod	8.75	5.5	17	13733	1855	4700

Casing/Cement Program: Additional Comments

BLACK MAMBA 15 STATE COM 2 - DRILLING APD w/PILOT HOLE BOP DESIGN: The blow out prevention system will consist of a bag type (Hydri) preventer, a double ram preventer stack, and a rotating head. Both the hydri and ram stack will be hydraulically operated. Both BOP systems will be rated at 5000psi. Prior to drilling out the 9 5/8" intermediate shoe, the ram stack will be nipped up with 4.5" pipe rams installed. The ram system will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. 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 hydri, other BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5000 psi WP Regarding the Pilot Hole: A Whipstock with ~1100' of 2 7/8" tubing tailpipe will be cemented in place at ~8200'. The plug back cement will be 530 sacks

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
Printed Name: Electronically filed by Randy Bolles	Title: Geologist	
Title: Manager, Regulatory Affairs	Approved Date: 6/28/2011	Expiration Date: 6/28/2013
Email Address: randy.bolles@dvn.com		
Date: 5/26/2011	Phone: 405-228-8588	Conditions of Approval Attached

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

District II
 1301 W. Grand Ave., Artesia, NM 88210
 Phone:(505) 748-1283 Fax:(505) 748-9720

District III
 1000 Rio Brazos Rd., Artec, 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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-40173	2. Pool Code 96724	3. Pool Name CRUZ;DELAWARE, NORTHEAST
4. Property Code 38639	5. Property Name BLACK MAMBA 15 STATE COM	
6. Well No. 002	7. OGRID No. 6137	
8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3699	

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	15	23S	33E		150	N	660	W	LEA

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
M	15	23S	33E	M	150	S	1170	W	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

	<p 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: 5/26/2011</p>
	<p 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: Filimon Jaramillo Date of Survey: 4/15/2011 Certificate Number: 12797</p>

Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: BLACK MAMBA 15 STATE COM #002

API: 30-025-40173

Created By	Comment	Comment Date
laids	This well is proposed with a pilot hole to be drilled to an approximate depth of 9249' then plugged back and drilled horizontally with the estimated horizontal landing TVD at 8970'.	5/11/2011
pkautz	Land S/S	5/27/2011
DMULL	OCD CONDITION OF APPROVAL - Approval for drilling ONLY, cannot produce until the Non-Standard Location has been approved by OCD Santa Fe office.	6/28/2011
DMULL	OCD Hobbs office has received form C-144CLEZ. OCD permit Number P1-03412.	6/28/2011

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: BLACK MAMBA 15 STATE COM #002

API: 30-025-40173

OCD Reviewer	Condition
pkautz	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
DMULL	Will require administrative order for non-standard location