

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 30-025-39808
4. Property Code 38208	5. Property Name BLACK MAMBA15 STATE	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	15	23S	33E	J	1700	S	1840	E	LEA

8. Pool Information

WILDCAT; WOLFCAMP GAS	97489
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3716
14. Multiple N	15. Proposed Depth 13740	16. Formation Wolfcamp	17. Contractor	18. Spud Date 7/1/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls 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	1070	0
Int1	12.25	9.625	40	5190	1555	0
Int2	8.75	7.625	39	12150	910	4600
Prod	6.5	5	23.2	13740	420	11700

Casing/Cement Program: Additional Comments

Cement 13 3/8" csg w/ lead 770 sx 35:65 Poz Class C; tail w/ 300 sx Class C. Cement 9 5/8" csg with lead 1255 sx 50:50 Poz Class C and tail with 300 sx 60:40 Poz Class C. Cement 7 5/8" casing stage 1: with lead 220 sx 50:50 Poz Class C, tail with 335 sx 15:61:11 Poz C; DV Tool at ~8,000' Stage 2: with lead 205 sx 35:65 Poz C and tail with 150 sx 60:40 Class H. Cement 5" liner with 420 sx 50:50 sx Poz C. Mud Program: 0-1380', 8.4-9.0, Visc. 32-34, NC fluid loss, fresh water; 1380-5190', 8.8-9.2, Visc. 28-30, NC fluid loss, brine, 5190-12,150', 8.6-9.0, Visc. 28, 12,150-13,740', 10.0-13, Visc. 32-40, NC-12cc fluid loss, brine. The blow out prevention system will consist of a bag type (hydri)l preventer, a double ram preventer stack, and a rotating head. Both the hydri)l 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. Once the 7 5

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
DoubleRam	5000	5000	
Hydri)l	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
Printed Name: Electronically filed by Randy Bolles	Approved By: Paul Kautz
Title:	Title: Geologist
Email Address: randy.bolles@dvn.com	Approved Date: 6/24/2010 Expiration Date: 6/24/2012
Date: 6/17/2010 Phone: 405-228-8588	Conditions of Approval Attached

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name Johnson Ranch - Wolfcamp Gas	
4 Property Code		5 Property Name BLACK MAMBA "15" STATE			6 Well Number 1
7 OGRID No. 6137		8 Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			9 Elevation 3716.8

10 Surface Location

UL or lot no. J	Section 15	Township 23 S	Range 33 E	Lot Idn	Feet from the 1700	North/South line SOUTH	Feet from the 1840	East/West line EAST	County LEA
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320		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.

	17 OPERATOR CERTIFICATION 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 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.
	Signature: Date: 6/16/2010
	Printed Name: Norvella Adams
	18 SURVEYOR CERTIFICATION 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. Date of Survey: JUNE 9, 2010 Signature: Seal of Professional Surveyor: Certificate Number: FILMON F. JARAMILLO, PLS 12797 SURVEY NO. 127

Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: BLACK MAMBA15 STATE #001

API: 30-025-39808

Created By	Comment	Comment Date
ADAMSN	Devon is in the process of filing for a Com agreement. A closed loop system will be utilized and a Form C144 CLEZ will be mailed under separate cover.	6/17/2010
pkautz	Acreage overlap with APD for Cobra 15 state # 1	6/21/2010
DMULL	OCD Hobbs has received form C-144CLEZ. OCD Permit Number P1-02150.	6/24/2010
DMULL	Devon withdrawal the Intent to drill the Cobra 15 State #1.	6/24/2010

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: BLACK MAMBA15 STATE #001

API: 30-025-39808

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