

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) 749-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 193361

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 38639		3. API Number 30-025-42164
5. Property Name BLACK MAMBA 15 STATE COM		6. Well No. 005H

7. Surface Location

UL - Lot	B	Section	15	Township	23S	Range	33E	Lot Idn	Feet From	450	N/S Line	N	Feet From	2320	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	P	Section	15	Township	23S	Range	33E	Lot Idn	P	Feet From	330	N/S Line	S	Feet From	660	E/W Line	E	County	Lea
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9. Pool Information

CRUZ BONE SPRING	14865
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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 3705
16. Multiple N	17. Proposed Depth 15985	18. Formation Bone Spring	19. Contractor	20. Spud Date
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	1350	1240	0
Int1	12.25	9.625	40	4300	1080	0
Int1	12.25	9.625	40	5150	430	0
Prod	8.75	5.5	17	15985	2310	4150

Casing/Cement Program: Additional Comments

Please see mailed Drilling Plan document for contingency drilling information.
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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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmr.com Date: 10/1/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 10/1/2014 Conditions of Approval Attached
Phone: 405-228-8588	Expiration Date: 10/1/2016

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Form C-102
August 1, 2011
Permit 193361

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42164	2. Pool Code 14865	3. Pool Name CRUZ,BONE SPRING
4. Property Code 38639	5. Property Name BLACK MAMBA 15 STATE COM	6. Well No. 005H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3705

10. Surface Location

UL - Lot B	Section 15	Township 23S	Range 33E	Lot Idn	Feet From 450	N/S Line N	Feet From 2320	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot P	Section 15	Township 23S	Range 33E	Lot Idn	Feet From 330	N/S Line S	Feet From 660	E/W Line E	County 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

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Form APD Comments

Permit 193361

PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-025-42164
		Well: BLACK MAMBA 15 STATE COM #005H
Created By	Comment	Comment Date
RDELONG	Please see mailed Drilling Plan document for full proposed procedure.	10/1/2014

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Form APD Conditions

Permit 193361

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-025-42164
	Well: BLACK MAMBA 15 STATE COM #005H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
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
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water