

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 152497

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 30-015-40522
4. Property Code 38927	5. Property Name LONE TREE DRAW 13 STATE COM	6. Well No. 004H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	13	21S	27E	B	150	N	2390	E	EDDY

8. Pool Information

CARLSBAD,DELAWARE	9690
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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 3177
14. Multiple N	15. Proposed Depth 9568	16. Formation Delaware	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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	48	350	1435	0
Int1	12.25	9.625	40	2600	1015	0
Prod	8.75	5.5	17	9568	1310	0
Prod	8.75	5.5	17	4200	1475	2100

Casing/Cement Program: Additional Comments

13 3/8" Lead w/ 1035 sx Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 4% bwoc Bentonite + 1% bwoc Sodium Metasilicate + 5% bwoc MPA-5 + 101.3% FW. Yld 1.97 cf/sx, 12.8 ppg. Tail w/ 400 sx Cl C + 1% bwoc Calcium Chloride + 0.125#/sx CF + 56.2% FW, Yld. 1.34, 14.8 ppg. 9 5/8" Lead w/ 715 sx 60:40 Poz Fly Ash Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 3#/sx LCM-1 + 1% bwoc Sodium Metasilicate + 89.7% FW, Yld. 1.73 cf/sx, 12.6 ppg. Tail w/ 300 sx 60:40 Poz Fly Ash Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 65.5% FW, Yl. 1.38 cf/sx, 13.8 ppg. 5 1/2" Single Stage: lead w/ 785 sx 50:50 Poz Fly Ash Cl H = 0.5% bwoc FL-52 + 0.3% bwoc ASA-301 + 10% bwoc Bentonite + 0.1% bwoc R-21 + 130.7% FW, Yld 2.30 cf/sx, 11.80 ppg. 2nd Lead w/ 690 sx 35:65 POZ Fly Ash Cl H + 3% bwow Sodium Chloride + 0.125#/sx CF + 0.7% bwoc FL-52 + 6% bwoc Bentonite + 105.4% FW, Yld. 2.00 cf/sx, 12.5 ppg. Tail w/ 1310 sx 50:50 Poz Fly Ash Cl H + 5% bwow Sodium Ch

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
DoubleRam	3000	3000	

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: Randy Dade	
Printed Name: Electronically filed by Randy Bolles	Title: District Supervisor	
Title: Manager, Regulatory Affairs	Approved Date: 7/25/2012	Expiration Date: 7/25/2014
Email Address: randy.bolles@dvn.com		
Date: 7/24/2012	Phone: 405-228-8588	Conditions of Approval Attached

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Form C-102
 August 1, 2011
 Permit 152497

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-40522	2. Pool Code 9690	3. Pool Name CARLSBAD;DELAWARE
4. Property Code 38927	5. Property Name LONE TREE DRAW 13 STATE COM	
6. Well No. 004H		
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3177

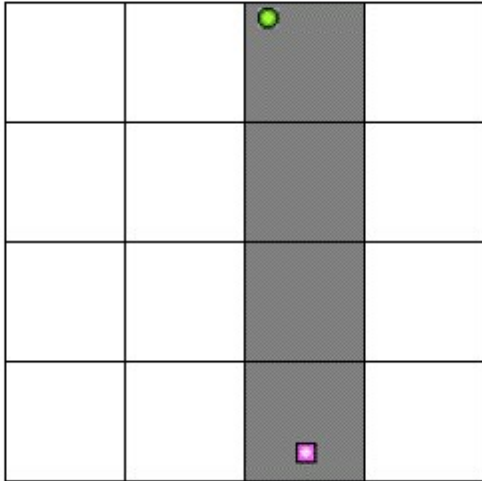
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	13	21S	27E		150	N	2390	E	EDDY

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
O	13	21S	27E	O	330	S	1980	E	EDDY
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 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: 7/24/2012</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: 5/15/2012 Certificate Number: 12797</p>
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Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: LONE TREE DRAW 13 STATE COM #004H

API: 30-015-40522

Created By	Comment	Comment Date
barnettj	The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Triple Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the surface casing shoe. The BOP system used to drill the production hole will consist of a 13-5/8" 3M Triple Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the intermediate casing shoe. The pipe rams 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	7/24/2012
CSHAPARD	Land s/S	7/25/2012

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: LONE TREE DRAW 13 STATE COM #004H

API: 30-015-40522

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