

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 30-015-38433
4. Property Code 300635	5. Property Name COTTON DRAW UNIT	6. Well No. 161H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	2	25S	31E	4	200	N	440	W	EDDY

8. Pool Information

COTTON DRAW;DELAWARE SOUTH (O)	96757
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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 3457
14. Multiple N	15. Proposed Depth 12871	16. Formation Brushy Canyon	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	48	700	850	0
Int1	12.25	9.625	40	4350	1200	0
Prod	8.75	5.5	17	12871	450	0
Prod	8.75	5.5	17	7500	1900	3850

Casing/Cement Program: Additional Comments

NOTE REGARDING COLLAPSE DESIGN FACTOR FOR INTERMEDIATE CSG: The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing w/ the pore pressure exerting a collapse load at TD. The pore pressure is estimated to be 9.0 ppg for this calculation. This results in a collapse design factor of 1.26 for the 9-5/8" 40# J-55 LTC casing at a depth of 4,350'. While running the intermediate casing, the casing string will never be completely evacuated. There is no potential for the intermediate casing to be used as a production string. DV Tool @ 6000'

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:	Approved Date: 1/27/2011	Expiration Date: 1/27/2013
Email Address: randy.bolles@dvn.com		
Date: 1/21/2011	Phone: 405-228-8588	

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., 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

Form C-102
 Permit 125863

Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-38433	2. Pool Code 96757	3. Pool Name COTTON DRAW;DELAWARE SOUTH (O)
4. Property Code 300635	5. Property Name COTTON DRAW UNIT	
6. Well No. 161H	7. OGRID No. 6137	
8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3457	

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	2	25S	31E		200	N	440	W	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
M	2	25S	31E	M	200	S	660	W	EDDY
12. Dedicated Acres 159.66		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: Date: 1/21/2011</p> <hr/> <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: 11/24/2010 Certificate Number: 12797</p>
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Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: COTTON DRAW UNIT #161H

API: 30-015-38433

Created By	Comment	Comment Date
Artesia	Land F/S	1/21/2011
Artesia	N/2 Section 2 in R-111-p area. Drilling restricted due to POTASH	1/21/2011