

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 156910

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 30-015-40851
4. Property Code 300635	5. Property Name COTTON DRAW UNIT	6. Well No. 169H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	2	25S	31E	1	330	N	1295	E	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	2	25S	31E	P	330	S	660	E	Eddy

9. Pool Information

PADUCA; BONE SPRING (O)	96641
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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 3477
16. Multiple N	17. Proposed Depth 12487	18. Formation Brushy Canyon	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

21. 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	750	800	0
Int1	12.25	9.625	40	4350	1340	0
Prod	8.75	5.5	17	12487	1640	3850
Prod	8.75	5.5	17	6000	420	0

Casing/Cement Program: Additional Comments

13-3/8" Surf: 800 sx C1 C Cmt+2% bwoc CalcChlor+0.125 lbs/sk Poly-E-Flake+63.1% FW, 14.8 ppg, Yld: 1.35 cf/sk, TOC @ surface. 9-5/8" Inter: Lead: 965 sx(65:35) C1 C Cmt:Poz(Fly Ash)+5% bwow SodiumChlor + 0.125 lbs/sk Poly-E-Flake+6% bwoc Bent+70.9% FW, 12.9 ppg, Yld: 1.85 cf/sk, TOC @ surf. Tail: 375 sx C1 C Cmt+0.125 lbs/sk Poly-E-Flake+63.5% Wtr, 14.8 ppg, Yld: 1.33 cf/sk, TOC @ surf. 5-1/2" Prod: Lead: 420 sx(65:35) C1 H Cmt:Poz(Fly Ash)+6% bwoc Bent + 0.125 lbs/sk Poly-E-Flake+0.1% bwoc HR-601+74.1% FW, 12.5 ppg, Yld: 1.95 cf/sk, Tail: 1640 sx(50:50) C1 H Cmt:Poz(Fly Ash)+1 lb/sk SodiumChlor+0.5% bwoc HALAD-344+0.4% bwoc CFR-3+0.1% bwoc HR-601 + 2% bwoc Bent+58.8% FW, 14.5 ppg, Yld: 1.22 cf/sk, TOC @ 3850'.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
DoubleRam	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: Electronically filed by Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmv.com Date: 11/1/2012	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 11/27/2012 Expiration Date: 11/27/2014 Conditions of Approval Attached
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Form C-102
August 1, 2011
Permit 156910

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-40851	2. Pool Code 96641	3. Pool Name PADUCA; BONE SPRING (O)
4. Property Code 300635	5. Property Name COTTON DRAW UNIT	6. Well No. 169H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3477

10. Surface Location

UL - Lot A	Section 2	Township 25S	Range 31E	Lot Idn	Feet From 330	N/S Line N	Feet From 1295	E/W Line E	County EDDY
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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
12. Dedicated Acres 160.30	13. Joint or Infill	14. Consolidation Code Unitization	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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Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: COTTON DRAW UNIT #169H

API: 30-015-40851

Created By	Comment	Comment Date
priechers	To be pad drilled with CDU 168H	10/26/2012
priechers	BOP DESIGN: The BOP system used to drill the intermediate and production holes will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the prior casing shoe.	11/1/2012
priechers	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 line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.	11/1/2012
priechers	Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.	11/1/2012
CSHAPARD	Land t/S	11/27/2012

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: COTTON DRAW UNIT #169H

API: 30-015-40851

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