

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 156900

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 30-015-40824
4. Property Code 300635	5. Property Name COTTON DRAW UNIT	6. Well No. 165H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	36	24S	31E	B	25	N	1780	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
O	36	24S	31E	O	330	S	1880	E	Eddy

9. Pool Information

PADUCA; BONE SPRING (O)	96641
-------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3517
16. Multiple N	17. Proposed Depth 12990	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	12990	1355	0
Prod	8.75	5.5	17	7500	660	3850

Casing/Cement Program: Additional Comments

13-3/8" Surface Tail: 800 sx C1 C Cmt + 2% bwoc CaCl2 + 0.125#/sx Poly-E-Flake + 63.1% FW, 14.8 ppg, Yld: 1.35 cf/sk; TOC @ surface. 9-5/8" Intermediate Lead: 965 sx (65:35) C1 C Cmt:Poz (Fly Ash) + 5% bwoc NaCl + 0.125 #/sx Poly-E-Flake + 6% bwoc Bent + 70.9% FW, 12.9 ppg, Yld: 1.85 cf/sk; TOC @ surface. Tail: 375 sx C1 C Cmt + 0.125 #/sx Poly-E-Flake + 63.5% Water, 14.8 ppg, Yld: 1.33 cf/sk. 5-1/2" Production 1st Lead: 270 sx (50:50) C1 H Cmt:Poz (Fly Ash) + 10% bwoc Bent + 8 #/sk NaCl + 0.125 #/sx Poly-E-Flake + 0.3% bwoc HR-601 + 0.3% bwoc Econolite + 77.2% FW, 11.8 ppg, Yld: 2.52 cf/sk 2nd Lead: 390 sx (65:35) C1 H Cmt:Poz (Fly Ash) + 6% bwoc Bent + 0.125 #/sx Poly-E-Flake + 0.1% bwoc HR-601 + 74.1% FW, 12.5 ppg, Yld: 1.95 cf/sk; Tail: 1355 sx (50:50) C1 H Cmt:Poz (Fly Ash) + 1 #/sx NaCl + 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

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	
Annular	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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

Printed Name: Electronically filed by Randy Bolles

Title: Manager, Regulatory Affairs

Email Address: randy.bolles@dvn.com

Date: 10/31/2012

Phone: 405-228-8588

OIL CONSERVATION DIVISION

Approved By: Randy Dade

Title: District Supervisor

Approved Date: 11/6/2012

Expiration Date: 11/6/2014

Conditions of Approval Attached

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-102
August 1, 2011
Permit 156900

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-40824	2. Pool Code 96641	3. Pool Name PADUCA; BONE SPRING (O)
4. Property Code 300635	5. Property Name COTTON DRAW UNIT	6. Well No. 165H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3517

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	36	24S	31E	2	25	N	1780	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
12. Dedicated Acres 159.62		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

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(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.

E-Signed By: Randy Bolles
Title: Manager, Regulatory Affairs
Date: 10/31/2012

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.

Surveyed By: James Tomkins
Date of Survey: 9/30/2012
Certificate Number: 14729

Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: COTTON DRAW UNIT #165H

API: 30-015-40824

Created By	Comment	Comment Date
dcook	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	10/31/2012
dcook	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.	10/31/2012
dcook	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.	10/31/2012
CSHAPARD	Land s/S	11/5/2012

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: COTTON DRAW UNIT #165H

API: 30-015-40824

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