

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 185088

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 300635		3. API Number 30-015-42331
5. Property Name COTTON DRAW UNIT		6. Well No. 244H

7. Surface Location

UL - Lot D	Section 36	Township 24S	Range 31E	Lot Idn	Feet From 200	N/S Line N	Feet From 500	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot M	Section 36	Township 24S	Range 31E	Lot Idn M	Feet From 330	N/S Line S	Feet From 500	E/W Line W	County Eddy
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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 3505
16. Multiple N	17. Proposed Depth 16185	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 9/1/2014
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	800	870	0
Int1	12.25	9.625	40	4300	1340	0
Int2	8.75	7	29	11800	740	0
Prod	6.125	4.5	15.5	16185	510	10930

Casing/Cement Program: Additional Comments

9-5/8" Intermediate #1 Two Stage Option 790 12.9 9.81 1.85 Lead (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 71.4 % Fresh Water 220 14.8 6.32 1.33 Tail Class C Cement + 63.5% Fresh Water DV Tool at 1150ft 140 12.9 9.81 1.85 Lead (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 71.4 % Fresh Water 190 14.8 6.32 1.33 Tail Class C Cement + 63.5% Fresh Water 7" Intermediate #2 Two Stage Option 550 11.0 14.94 2.66 Lead Tuned Light Blend + 0.125 lb/sk Pol-E-Flake + 76.3% Fresh Water 190 14.4 5.69 1.25 Tail (50:50) Class H Cement: Poz (Fly Ash) + 0.3% bwoc HALAD-9 + 0.2% bwoc HR-800 + 1lb/sk KolSeal + 2% bwoc Bentonite + 62.3 % Fresh Water DV Tool at 4350ft 230 11.0 14.94 2.66 Lead Tuned Light Blend + 0.125 lb/sk Pol-E-Fl

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature:	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Randy Bolles	Approved By: Randy Dade	
Title: Manager, Regulatory Affairs	Title: District Supervisor	
Email Address: randy.bolles@dmn.com	Approved Date: 4/23/2014	Expiration Date: 4/23/2016
Date: 4/23/2014	Phone: 405-228-8588	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 185088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-42331	2. Pool Code 96641	3. Pool Name PADUCA; BONE SPRING (O)
4. Property Code 300635	5. Property Name COTTON DRAW UNIT	6. Well No. 244H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3505

10. Surface Location

UL - Lot D	Section 36	Township 24S	Range 31E	Lot Idn	Feet From 200	N/S Line N	Feet From 500	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot M	Section 36	Township 24S	Range 31E	Lot Idn	Feet From 330	N/S Line S	Feet From 500	E/W Line W	County Eddy
12. Dedicated Acres 159.11	13. Joint or Infill		14. Consolidation Code N/A				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

<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 5px; left: 5px; width: 20px; height: 20px; background-color: green; border: 1px solid black;"></div> <div style="position: absolute; bottom: 5px; left: 5px; width: 20px; height: 20px; background-color: purple; border: 1px solid black;"></div> </div>	<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: 4/23/2014</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: Filimon Jaramillo Date of Survey: 4/4/2014 Certificate Number: 12797</p>
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Form APD Comments

Permit 185088

PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-42331
	Well: COTTON DRAW UNIT #244H

Created By	Comment	Comment Date
Igood	Maximum TVD in lateral: 11,670 ft Cement volumes Surface 100%, Intermediate #1 75%, Intermediate #2 50% and Production Liner based on at least 25% excess. Actual cement volumes will be adjusted based on fluid caliper and caliper log data. If lost circulation is encountered while drilling the production and/or the intermediate wellbores, a DV tool will be installed a minimum of 50' below the previous casing shoe and a minimum of 200' above the current shoe. If the DV tool has to be moved, the cement volumes will be adjusted proportionately. Both single and double stage proposals are listed i	4/23/2014
Igood	Auxiliary Well Control and Monitoring Equipment: A Kelly cock will be in the drill string at all times. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times. Hydrogen Sulfide detection equipment will be in operation after drilling out the 13-3/8" casing shoe until the 4-1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13-3/8" shoe until total depth is reached.	4/23/2014
CSHAPARD	Land s/s	4/23/2014

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Form APD Conditions

Permit 185088

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-015-42331
		Well: COTTON DRAW UNIT #244H

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