

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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 177935

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 40253		3. API Number 30-015-41837
5. Property Name BOSS HOGG 15 STATE COM		6. Well No. 003H

7. Surface Location

UL - Lot B	Section 15	Township 23S	Range 26E	Lot Idn	Feet From 100	N/S Line N	Feet From 1650	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot O	Section 15	Township 23S	Range 26E	Lot Idn O	Feet From 330	N/S Line S	Feet From 1980	E/W Line E	County Eddy
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9. Pool Information

WC-015 G-04 S232615D; BONE SPRING	98056
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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 3306
16. Multiple N	17. Proposed Depth 11483	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 4/6/2014
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	650	710	0
Int1	12.25	9.625	36	1900	620	0
Prod	8.75	5.5	17	11483	2090	1400

Casing/Cement Program: Additional Comments

1) An 8-3/4" pilot hole will be drilled to 6850' and plugged back to KOP (for volumes and TOC see cement table) 2) All casing is new and API approved 3) The necessary mud products for weight addition and fluid loss control will be on location at all times. Visual mud monitoring equipment will be in place to detect volume changes indicating loss or gain of circulating fluid volume. If abnormal pressures are encountered, electronic/mechanical mud monitoring equipment will be installed. 4) 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 of 200' above the current shoe. If the DV tool has to be moved, the cement volumes will be adjusted proportionately. 5) Cement volumes Surface 100%, Intermediate 50%, Production based on at least 25% excess 6) Actual cement volumes will be adjusted based on fluid caliper and caliper log data

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@dvn.com	Approved Date: 12/3/2013 Expiration Date: 12/3/2015
Date: 12/3/2013 Phone: 405-228-8588	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 177935

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-41837	2. Pool Code 98056	3. Pool Name WC-015 G-04 S232615D; BONE SPRING
4. Property Code 40253	5. Property Name BOSS HOGG 15 STATE COM	6. Well No. 003H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3306

10. Surface Location

UL - Lot B	Section 15	Township 23S	Range 26E	Lot Idn	Feet From 100	N/S Line N	Feet From 1650	E/W Line E	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot O	Section 15	Township 23S	Range 26E	Lot Idn	Feet From 330	N/S Line S	Feet From 1980	E/W Line E	County 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

<div style="display: flex; align-items: center; justify-content: center; height: 150px;"> </div>	<div style="text-align: center; font-weight: bold; margin-bottom: 10px;">OPERATOR CERTIFICATION</div> <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> <div style="margin-top: 10px;"> E-Signed By: Randy Bolles Title: Manager, Regulatory Affairs Date: 12/3/2013 </div> <hr/> <div style="text-align: center; font-weight: bold; margin-bottom: 10px;">SURVEYOR CERTIFICATION</div> <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> <div style="margin-top: 10px;"> Surveyed By: Filimon Jaramillo Date of Survey: 10/27/2013 Certificate Number: 12797 </div>
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Form APD Comments

Permit 177935

PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-41837
	Well: BOSS HOGG 15 STATE COM #003H

Created By	Comment	Comment Date
RDELONG	9-5/8" 2 Stage Option: Tail w/310 sacks Class C Cement + 0.4% BWOC LAP-1 + 0.2% BWOC HR-601 + 0.2 lb/sk D-Air 5000 + 4% BWOC Bentonite + 69.3% Fresh Water 13.7 ppg, yld 2.67. DVT @ 1000'. 2nd stage lead w/110 sacks (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water 12.9 ppg, yld 1.85. Tail w/190 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water 14.8 ppg, yld 1.33.	12/3/2013
RDELONG	5-1/2" 2 Stage Option: Lead w/290 sacks (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake + 74.1 % Fresh Water 12.5 ppg, yld 1.96. Tail w/1370 sacks (50:50) Class H Cement: Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water 14.5 ppg, yld 1.22. DVT @ 4500'. 2nd Lead w/360 sacks (50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000 + 76.4% Fresh Water 11.9 ppg, yld 2.26. 2nd Tail w/120	12/3/2013
RDELONG	5-1/2" 2 Stage Option (continued): ...sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water 14.8 ppg, yld 1.33.	12/3/2013
CSHAPARD	Land s/S	12/3/2013

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Form APD Conditions
Permit 177935

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-015-41837
		Well: BOSS HOGG 15 STATE COM #003H
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	