

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

Form C-101
August 1, 2011
Permit 177719

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 333 W. Sheridan Avenue Oklahoma City, OK 73102		2. OGRID Number 6137
4. Property Code 40253		3. API Number 30-015-41828
5. Property Name Boss Hogg 15 State Com		6. Well No. 001H

7. Surface Location

UL - Lot D	Section 15	Township 23S	Range 26E	Lot Idn	Feet From 175	N/S Line N	Feet From 660	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot M	Section 15	Township 23S	Range 26E	Lot Idn M	Feet From 330	N/S Line S	Feet From 660	E/W Line W	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 3327
16. Multiple N	17. Proposed Depth 11302	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	11302	1980	1900

Casing/Cement Program: Additional Comments

An 8-3/4" pilot hole will be drilled to 6,896 ft and plugged back to KOP (for volumes and TOC see below). Pilot Hole Plug Back: Plug Cement 355 sacks Class H Cement + 0.2% Halad-9 + 0.4% HR-601 + 60.5 % Fresh Water, 15.6 ppg, Yield of 1.19 cf/sk , Water Requirement of 5.39gal/sk, Mix Water Volume is 46 bbls. TOC @ 5980ft 5-1/2" Production (Two Stage)
Stage #1: Lead :280 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, Yield of 1.95 cf/sk, Water Requirement of 10.79 gal/sk, 72bbls of Mix Water. TOC @ 4500ft. Tail: 1330 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, Yield of 1.22 cf/sk, Water Requirement of 5.38 gal/sk, 171bbls of Mix Water. (DV Tool @ 4500ft) Stage #2 Lead :340 sacks (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-60

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
Double Ram	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.	OIL CONSERVATION DIVISION	
Signature:		
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: 11/27/2013	Expiration Date: 11/27/2015
Date: 11/25/2013	Phone: 405-228-8588	Conditions of Approval Attached

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Form C-102
August 1, 2011

Permit 177719

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-41828	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. 001H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3327

10. Surface Location

UL - Lot D	Section 15	Township 23S	Range 26E	Lot Idn	Feet From 175	N/S Line N	Feet From 660	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot M	Section 15	Township 23S	Range 26E	Lot Idn	Feet From 330	N/S Line S	Feet From 660	E/W Line W	County Eddy	
12. Dedicated Acres 160.00			13. Joint or Infill		14. Consolidation Code Communitization			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
	<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: 11/25/2013</p>
	SURVEYOR CERTIFICATION
	<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: 10/17/2013 Certificate Number: 12797</p>

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PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-41828
	Well: Boss Hogg 15 State Com #001H

Created By	Comment	Comment Date
RDELONG	The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the surface casing shoe.	11/25/2013
RDELONG	The BOP system used to drill the production hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the intermediate casing shoe.	11/25/2013
RDELONG	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.	11/25/2013
RDELONG	Cementing Program (cement volumes based on at least Surface 100% excess, Intermediate 75% excess, Pilot Hole Plug Back 10% excess and Production is 25% excess)	11/25/2013
RDELONG	TOC for All Strings: Surface: 650ft 0ft (650ft of fill of Tail) Intermediate: 1900ft 0ft (1150ft of fill of Lead & 750ft of fill of Tail) Pilot Hole Plug Back: 6896ft 5980ft (916ft of Plug Cement) Production: 11302ft - Conventional 1900ft (2280ft of fill of Lead #1& 2000ft of fill of Lead #2 & 5122ft of fill of Tail) Production: 11302ft - Two Stage 4500ft (1st Stage - 1680ft of fill of Lead & 5122ft of fill of Tail) DV Tool at 4500ft 1900ft (2nd Stage - 2100ft of fill of Lead & 500ft of Tail)	11/25/2013
RDELONG	If lost circulation is encountered while drilling the production wellbore, 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.	11/25/2013
RDELONG	ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.	11/25/2013
CSHAPARD	Land s/S	11/26/2013

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Form APD Conditions

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Santa Fe, NM 87505

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-41828
	Well: Boss Hogg 15 State Com #001H

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