

**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 152266

**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 30-015-40515
4. Property Code 38568	5. Property Name ONYX PWU 29	6. Well No. 008H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	29	19S	29E	P	830	S	330	E	EDDY

**8. Pool Information**

SCANLON DRAW, BONE SPRING	55510
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3276
14. Multiple N	15. Proposed Depth 11354	16. Formation 1st Bone Spring Sand	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**19. 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	300	340	0
Int1	12.25	9.625	40	3200	1150	0
Prod	8.75	5.5	17	11354	1325	0
Prod	8.75	5.5	17	6300	690	2700

**Casing/Cement Program: Additional Comments**

13 3/8" Surface - Lead w/340 sx HalCem-C + 2%CC + 0.125 #/sx Poly-E-Flake, 14.8 ppg, Yld 1.35 Cu ft/sx; TOC @ surface. 9 5/8" Intermediate - Lead w/830 sx EconoCem-HLC + 5% Salt + 0.125#/sx Poly-E-Flake, 12.9 ppg, Yld 1.85 Cu ft/sx; Tail w/320 sx HalCem-C + 0.125 #/sx Poly-E-Flake, 14.8 ppg, Yld 1.33 Cu ft/sx; TOC @ surface. 5 1/2" Production - Lead w/690 sx EconoCem-HLH + 0.125 #/sx Poly-E-Flake + 0.10% HR-601, 12.5ppg, Yld 1.95 Cu ft/sx; Tail w/1325 sx VersaCem-H + 0.125 #/sx Poly-E-Flake + 0.10 HR-601 + 1 #/sx Salt, 14.5 ppg, Yld 1.22 Cu ft/sx; TOC @ 2700 ft.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Randy Bolles

Title: Manager, Regulatory Affairs

Email Address: randy.bolles@dvn.com

Date: 7/19/2012

Phone: 405-228-8588

**OIL CONSERVATION DIVISION**

Approved By: Randy Dade

Title: District Supervisor

Approved Date: 7/23/2012

Expiration Date: 7/23/2014

Conditions of Approval Attached

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Form C-102  
August 1, 2011  
Permit 152266

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-40515	2. Pool Code 55510	3. Pool Name SCANLON DRAW;BONE SPRING
4. Property Code 38568	5. Property Name ONYX PWU 29	6. Well No. 008H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3276







**10. Surface Location**

UL - Lot P	Section 29	Township 19S	Range 29E	Lot Idn	Feet From 830	N/S Line S	Feet From 330	E/W Line E	County EDDY
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**11. Bottom Hole Location If Different From Surface**

11. Bottom Hole Location If Different From Surface									
UL - Lot M	Section 29	Township 19S	Range 29E	Lot Idn M	Feet From 800	N/S Line S	Feet From 330	E/W Line W	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**

<table border="1" style="width: 100%; height: 150px;"> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;"></td><td></td><td></td><td style="text-align: center;"></td></tr> </table>																	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></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: 7/19/2012</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></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: 3/27/2012 Certificate Number: 12797</p>
																	



## Permit Comments

**Operator:** DEVON ENERGY PRODUCTION COMPANY, LP , 6137

**Well:** ONYX PWU 29 #008H

**API:** 30-015-40515

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 Triple 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.	7/19/2012
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.	7/19/2012
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.	7/19/2012
dcook	No abnormal pressures or temperatures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP of 3,600 psi and estimated BHT 145°. No H2S is anticipated to be encountered.	7/19/2012
CSHAPARD	Land s/S	7/23/2012

## Permit Conditions of Approval

**Operator:** DEVON ENERGY PRODUCTION COMPANY, LP , 6137

**Well:** ONYX PWU 29 #008H

**API:** 30-015-40515

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