

**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 153455

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address <b>DEVON ENERGY PRODUCTION COMPANY, LP</b> 333 W. Sheridan Avenue Oklahoma City, OK 73102		2. OGRID Number 6137
		3. API Number 30-015-40590
4. Property Code 38432	5. Property Name AGATE PWU 21	6. Well No. 005H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	21	19S	29E	D	1250	N	330	W	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 3322
14. Multiple N	15. Proposed Depth 11310	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	275	310	0
Int1	12.25	9.625	40	3050	965	0
Prod	8.75	5.5	17	11310	1290	0
Prod	8.75	5.5	17	6252	640	2550

**Casing/Cement Program: Additional Comments**

13-3/8 Lead: w/310sxs ClassC Cmt + 2% bwoc CalChl + 0.125#/sxs Poly-EF + 63.1% FW, 14.8 ppg. Yld: 1.35 cf/sx 9-5/8 Lead: w/700sxs(65:35)ClassC Cmt:Poz(Fly Ash): + 5% bwow Sodium Chl + 0.125#/sxs Poly-EF + 6% bwoc Bentonite + 70.9% FW, 12.9 ppg. Yld: 1.85 cf/sx. Tail: w/265sxs ClassC Cmt + 0.125#/sxs Poly-EF + 63.5% Water, 14.8 ppg. Yld: 1.33 cf/sx 5-1/2 1st Lead: w/250sxs(50:50)ClassH Cmt:Poz(Fly Ash) + 10% bwoc Bentonite + 8#/sxs Sod Chl + 0.125#/sxs Poly-EF + 0.3% bwoc HR-601 + 0.3% bwoc Econolite + 77.2% FW, 11.8 ppg. Yld: 2.52 cf/sx. 2nd Lead: w/390sxs(65:35)ClassH Cmt:Poz(Fly Ash) + 6% bwoc Bentonite + 0.125#/sxs Poly-EF + 0.1% bwoc HR-601 + 74.1% FW, 12.5 ppg. Yld: 1.95 cf/sx. Tail: w/1290sxs(50:50)ClassH Cmt:Poz (Fly Ash) + 1#/sxs Sod Chl + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% FW, 14.5 ppg. Yld: 1.22 cf/sx TVD: 6991

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	
Annular	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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>
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: 8/14/2012   Expiration Date: 8/14/2014
Date: 8/13/2012   Phone: 405-228-8588	Conditions of Approval Attached

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 153455

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-40590	2. Pool Code 55510	3. Pool Name SCANLON DRAW;BONE SPRING
4. Property Code 38432	5. Property Name AGATE PWU 21	6. Well No. 005H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3322

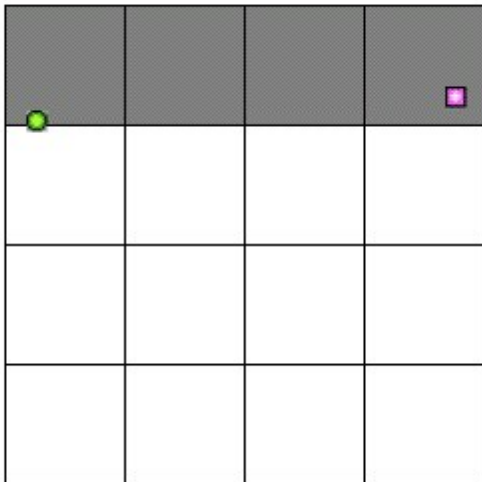
**10. Surface Location**

UL - Lot D	Section 21	Township 19S	Range 29E	Lot Idn	Feet From 1250	N/S Line N	Feet From 330	E/W Line W	County EDDY
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**11. Bottom Hole Location If Different From Surface**

11. Bottom Hole Location is Different From Surface									
UL - Lot A	Section 21	Township 19S	Range 29E	Lot Idn A	Feet From 990	N/S Line N	Feet From 330	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**

	<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: 8/13/2012</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: 5/2/2012 Certificate Number: 12797</p>
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## Permit Comments

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

**Well:** AGATE PWU 21 #005H

**API:** 30-015-40590

Created By	Comment	Comment Date
morawford	The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Triple Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the surface casing shoe. The BOP system used to drill the production hole will consist of a 13-5/8" 3M Triple Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the intermediate casing shoe.	8/13/2012
morawford	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.	8/13/2012
morawford	No H2S is anticipated to be encountered.	8/13/2012
morawford	Mud: 0-275' FW, 8.4-9.0, 30-34, NC 275'-3,050' Brine, 9.6-10, 28-32, NC 3,050'-11,310' FW, 8.6-9.0, 28-32, NC-12	8/13/2012
CSHAPARD	Land s/S	8/14/2012

## Permit Conditions of Approval

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

**Well:** AGATE PWU 21 #005H

**API:** 30-015-40590

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