

**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 164885

**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 30-015-41241
4. Property Code 39792	5. Property Name POOKY 4 STATE	6. Well No. 001H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	4	25S	28E	1	207	N	660	E	EDDY

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	4	25S	28E	P	330	S	660	E	Eddy

**9. Pool Information**

WILLOW LAKE;BONE SPRING	64450
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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 3008
16. Multiple N	17. Proposed Depth 12737	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**21. 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	170	180	0
Int1	12.25	9.625	40	2500	740	0
Prod	8.75	5.5	17	12737	1685	2000
Prod	8.75	5.5	17	7000	690	0

**Casing/Cement Program: Additional Comments**

Surf: Tail: 180 sx Cl C Cmt + 2% bwoc Calc Chlor + 0.125 lbs/sk Poly-E-Flake + 63.1% FW, 14.8 ppg, Yld: 1.35 cf/sk, TOC @ surface. Inter: Lead:380 sx (65:35) Cl C Cmt:Poz(Fly Ash)+ 5% bwow Sodium Chlor + 0.125 lbs/sk Poly-E-Flake + 6% bwoc Bent + 70.9% FW, 12.9 ppg, Yld: 1.85 cf/sk, TOC @ surface. Tail: 360 sx Cl C Cmt + 0.125 lbs/sk Poly-E-Flake + 63.5% Wtr, 14.8 ppg, Yld: 1.33 cf/sk, TOC @ surface. Prod: Lead:690 sx(65:35)Cl H Cmt:Poz(Fly Ash)+6% bwoc Bent + 0.125 lbs/sk Poly-E-Flake + 0.1% bwoc HR-601 + 74.1% FW,12.5 ppg, Yld: 1.95 cf/sk, Tail: 1685 sx(50:50)Cl H Cmt:Poz(Fly Ash)+ 1 lb/sk Sodium Chlor + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bent + 58.8% FW,14.5 ppg, Yld: 1.22 cf/sk, TOC @ 2000'

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
DoubleRam	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:	<b>OIL CONSERVATION DIVISION</b> Approved By: Randy Dade	
Printed Name: Electronically filed by Randy Bolles	Title: District Supervisor	
Title: Manager, Regulatory Affairs	Approved Date: 4/3/2013	Expiration Date: 4/3/2015
Email Address: randy.bolles@dm.com		
Date: 4/3/2013	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 164885

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-41241	2. Pool Code 64450	3. Pool Name WILLOW LAKE,BONE SPRING
4. Property Code 39792	5. Property Name POOKY 4 STATE	6. Well No. 001H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3008

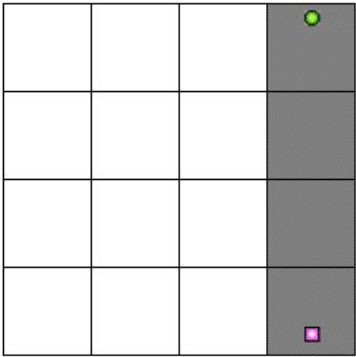
**10. Surface Location**

UL - Lot A	Section 4	Township 25S	Range 28E	Lot Idn 1	Feet From 207	N/S Line N	Feet From 660	E/W Line E	County EDDY
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**11. Bottom Hole Location If Different From Surface**

UL - Lot P	Section 4	Township 25S	Range 28E	Lot Idn P	Feet From 330	N/S Line S	Feet From 660	E/W Line E	County EDDY
12. Dedicated Acres 160.26		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: 4/3/2013</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: Frank Jaramillo Date of Survey: 3/13/2013 Certificate Number: 12797</p>
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## Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: POOKY 4 STATE #001H

API: 30-015-41241

Created By	Comment	Comment Date
priechers	The BOP system used to drill the intermediate hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2, a 3M system will be installed and tested prior to drilling out the surface casing shoe.	4/2/2013
priechers	The BOP system used to drill the production hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 a 3M system will be installed prior to drilling out the intermediate casing shoe.	4/2/2013
priechers	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.	4/2/2013
CSHAPARD	Land s/S	4/3/2013

## Permit Conditions of Approval

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

**Well:** POOKY 4 STATE #001H

**API:** 30-015-41241

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