

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 157021

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 30-015-40822
4. Property Code 38433	5. Property Name DIAMOND PWU 22	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	22	19S	29E	D	725	N	330	W	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	22	19S	29E	A	660	N	330	E	Eddy

9. Pool Information

TURKEY TRACK;BONE SPRING	60660
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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 3332
16. Multiple N	17. Proposed Depth 11485	18. Formation 1st 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	250	260	0
Int1	12.25	9.625	40	3400	970	0
Prod	8.75	5.5	17	11485	1320	0
Prod	8.75	5.5	17	6300	600	2900

Casing/Cement Program: Additional Comments

13-3/8 Lead: w/260 sx ClassC Cmt + 2% bwoc CalChl + 0.125#/sx Poly-EF + 63.1% FW, 14.8 ppg. Yld: 1.35 cf/sk 9-5/8" Lead: w/610 sx (65:35) ClassC Cmt:Poz (Fly Ash) + 5% bwow Sodium Chl + 0.125#/sx Poly-EF + 6% bwoc Bentonite + 70.9% FW, 12.9 ppg. Yld: 1.85 cf/sk. Tail: w/360 sx ClassC Cmt + 0.125#/sx Poly-EF + 63.5% Wtr, 14.8 ppg. Yld: 1.33 cf/sk 5-1/2" Lead: w/600 sx (65:35) ClassH Cmt:Poz (Fly Ash) + 6% bwoc Bentonite + 0.125#/sx Poly-EF + 0.1% bwoc HR-601 + 74.1% FW, 12.5 ppg. Yld: 1.95 cf/sk. Tail: w/1320 sx (50:50) ClassH Cmt:Poz (Fly Ash) + 1#/sx SodChl + 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/sk. TVD: 7115'

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	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	
	Approved By: Randy Dade	
Printed Name: Electronically filed by Randy Bolles	Title: District Supervisor	
Title: Manager, Regulatory Affairs	Approved Date: 10/31/2012	Expiration Date: 10/31/2014
Email Address: randy.bolles@dvn.com		
Date: 10/30/2012	Phone: 405-228-8588	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 157021

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-40822	2. Pool Code 60660	3. Pool Name TURKEY TRACK,BONE SPRING
4. Property Code 38433	5. Property Name DIAMOND PWU 22	6. Well No. 005H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3332







10. Surface Location

UL - Lot D	Section 22	Township 19S	Range 29E	Lot Idn	Feet From 725	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

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UL - Lot A	Section 22	Township 19S	Range 29E	Lot Idn A	Feet From 660	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

<table border="1" style="width: 100%; border-collapse: collapse; height: 150px;"> <tr> <td style="width: 25%; text-align: center; vertical-align: middle;">  </td> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center; vertical-align: middle;">  </td> <td style="width: 25%;"></td> </tr> <tr><td style="height: 30px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 30px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 30px;"></td><td></td><td></td><td></td></tr> </table>																	<p style="text-align: center;">OPERATOR CERTIFICATION</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: 10/30/2012</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</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: 9/4/2012 Certificate Number: 1238</p>
																	

Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: DIAMOND PWU 22 #005H

API: 30-015-40822

Created By	Comment	Comment Date
morawford	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. 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.	10/30/2012
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.	10/30/2012
morawford	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.	10/30/2012
morawford	Mud: 0-250' FW, 8.4-9.0, 28-34, NC; 250'-3,400' Brine, 9.8-10.2, 28-31 NC; 3,400'-11,485 FW, 8.6-9.0, 28-32, NC-12	10/30/2012
morawford	No H2S is anticipated to be encountered.	10/30/2012
CSHAPARD	Land s/S	10/30/2012

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: DIAMOND PWU 22 #005H

API: 30-015-40822

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