

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 153249

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 30-025-40719
4. Property Code 30884	5. Property Name THISTLE UNIT	6. Well No. 034H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	33	23S	33E	N	350	S	2075	W	LEA

8. Pool Information

BRINNINSTOOL;DELAWARE	96193
-----------------------	-------

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3665
14. Multiple N	15. Proposed Depth 12316	16. Formation Brushy Canyon	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	54.5	1350	1185	0
Int1	12.25	9.625	40	5100	1535	0
Prod	8.75	5.5	17	8252	1490	0
Prod	8.75	5.5	17	12316	400	4600

Casing/Cement Program: Additional Comments

13-3/8" Surf: Lead w/835sx (60:40)Poz:C1 C + 5%bwow NaCL + 0.125#/sx Cello Flake + 3#/sx LCM-1 + 0.25%bwoc FL-52 + 1%bwoc Sodium Metasilicate + 89.6%FW; 12.6ppg, Yld 1.73; Tail w/350sx C1 C + 1%bwoc NaCL + 0.125#/sx Cello Flake + 56.2%FW; 14.8 ppg, Yld 1.34, TOC @ surf. 9 5/8" Inter: Lead w/1135sx (50:50)Poz:C1 C + 5% bwow NaCL + 0.125#/sx Cello Flake + 3#/sx LCM-1 + 0.4%bwoc FL-52 + 0.35%bwoc Sodium Metasilicate + 10%bwoc Bent + 126.4%FW, 12.0 ppg, Yld 2.31; Tail w/400sx (60:40)Poz:C1 C + 5%bwow NaCL + 0.125#/sx Cello Flake + 0.3%bwoc Sodium Metasilicate + 0.5%bwoc BA-10A + 4%bwoc MPA-5 + 65.2%FW; 13.8ppg, Yld 1.38, TOC @ surf. 5 1/2" Prod: stg 1 Lead w/465 sx(35:65)Poz:C1 H + 3%bwow NaCL+0.2%bwoc R-3+0.125#/sx Cello Flake + 0.7%bwoc FL-52 + 0.3%bwoc ASA-301 + 6%bwoc Bent + 105.5%FW; 12.5ppg, Yld 2.01; Tail w/1025sx (50:50)Poz:C1 H + 5% bwow NaCL + 0.3%bwoc CD-32 + 0.5%bwoc FL-25 + 0.5%bwoc FL-52 + 0.25%bwoc Sodium Metasilicate + 57.2%FW; 14.2ppg, Yld 1.28. See Comment for stage 2 detail

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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 8/10/2012	Expiration Date: 8/10/2014
	Conditions of Approval Attached	
Printed Name: Electronically filed by Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmn.com Date: 8/9/2012 Phone: 405-228-8588		

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-102
August 1, 2011
Permit 153249

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-40719	2. Pool Code 96193	3. Pool Name BRINNINSTOOL;DELAWARE
4. Property Code 30884	5. Property Name THISTLE UNIT	6. Well No. 034H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3665

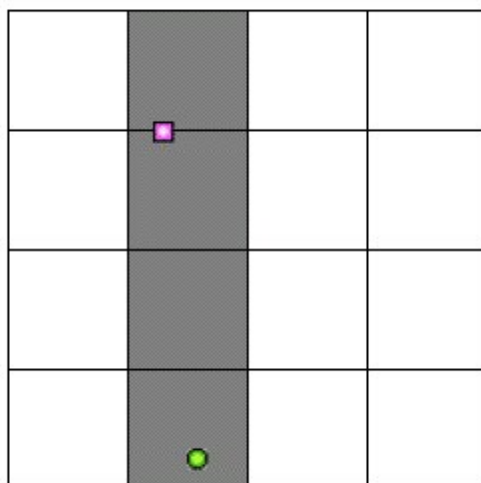
10. Surface Location

UL - Lot N	Section 33	Township 23S	Range 33E	Lot Idn	Feet From 350	N/S Line S	Feet From 2075	E/W Line W	County LEA
---------------	---------------	-----------------	--------------	---------	------------------	---------------	-------------------	---------------	---------------

11. Bottom Hole Location If Different From Surface

UL - Lot C	Section 33	Township 23S	Range 33E	Lot Idn C	Feet From 1320	N/S Line N	Feet From 1700	E/W Line W	County LEA
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



OPERATOR CERTIFICATION

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.

E-Signed By: Randy Bolles
Title: Manager, Regulatory Affairs
Date: 8/9/2012

SURVEYOR CERTIFICATION

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.

Surveyed By: Gary Jones
Date of Survey: 6/7/2012
Certificate Number: 7977

Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: THISTLE UNIT #034H

API: 30-025-40719

Created By	Comment	Comment Date
dcook	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 prior to drilling out the surface casing shoe. 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.	8/8/2012
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 5,000 psi WP. 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 poss	8/8/2012
dcook	St 2 Lead:w/250sx CI C + 1%bwoc R-3 + 0.125#/sx Cello Flake + 0.3%bwoc FL-52 + 3%bwoc Sodium Metasilicate + 157%FW; 11.4ppg, Yld 2.88; Tail:w/150 sx(60:40)Poz:CI C + 5%bwow NaCL + 0.125#/sx Cello Flake +0.5%bwoc BA-10A + 4%bwoc MPA-5 + 65.1%FW; 13.8ppg, Yld 1.37, TOC @ 4600'.	8/8/2012
pkautz	Land s/S	8/9/2012
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT #P1-05046	8/10/2012

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: THISTLE UNIT #034H

API: 30-025-40719

OCD Reviewer	Condition
pkautz	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