

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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) 334-8178 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 203572

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
4. Property Code 314792		3. API Number 30-025-42533
5. Property Name NORTH THISTLE 2 STATE		6. Well No. 001H

7. Surface Location

UL - Lot	B	Section	2	Township	23S	Range	33E	Lot Idn		Feet From	505	N/S Line	N	Feet From	2030	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	O	Section	2	Township	23S	Range	33E	Lot Idn	O	Feet From	330	N/S Line	S	Feet From	2290	E/W Line	E	County	Lea
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9. Pool Information

BRINNINSTOOL;BONE SPRING	7320
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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 3514
16. Multiple N	17. Proposed Depth 15627	18. Formation 1st Bone Spring Sand	19. Contractor	20. Spud Date 2/1/2015
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1350	1190	0
Int1	12.25	9.625	40	5000	1460	0
Prod	8.75	5.5	17	15627	1730	4500

Casing/Cement Program: Additional Comments

Production Casing: 7" x 5 1/2" Combo - See Drilling Plans for additional details.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
Double Ram	3000	3000	
Annular	3000	3000	
Double Ram	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: _____ Printed Name: Electronically filed by Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmr.com Date: 4/28/2015	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 4/29/2015 Expiration Date: 4/29/2017 Conditions of Approval Attached
Phone: 405-228-8588	

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Form C-102
August 1, 2011
Permit 203572

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42533	2. Pool Code 7320	3. Pool Name BRINNINSTOOL;BONE SPRING
4. Property Code 314792	5. Property Name NORTH THISTLE 2 STATE	6. Well No. 001H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3514

10. Surface Location

UL - Lot B	Section 2	Township 23S	Range 33E	Lot Idn	Feet From 505	N/S Line N	Feet From 2030	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot O	Section 2	Township 23S	Range 33E	Lot Idn	Feet From 330	N/S Line S	Feet From 2290	E/W Line E	County Lea
12. Dedicated Acres 159.73	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;"> <tr><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px; text-align: center;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px; text-align: center;"></td><td style="height: 40px;"></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: 4/28/2015</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: FRAND JARAMILLO Date of Survey: 3/25/2015 Certificate Number: 12797</p>

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Form APD Comments
 Permit 203572

PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-025-42533
		Well: NORTH THISTLE 2 STATE #001H
Created By	Comment	Comment Date
Igood	C-102 & plats, Drilling Plan and Directional Plan being sent via Fed-ex Overnight.	4/28/2015

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Form APD Conditions

Permit 203572

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-025-42533
	Well: NORTH THISTLE 2 STATE #001H

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104
DMULL	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
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water