

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 169577

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 30-025-41253
4. Property Code 30884	5. Property Name THISTLE UNIT	6. Well No. 048H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	34	23S	33E	N	280	S	2561	W	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	34	23S	33E	C	330	N	1980	W	Lea

9. Pool Information

TRIPLE X;BONE SPRING	59900
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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 3640
16. Multiple N	17. Proposed Depth 15623	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	1325	1180	0
Int1	12.25	9.625	40	5250	1465	0
Prod	8.75	5.5	17	10600	810	4750
Prod	8.75	5.5	17	15623	1255	

Casing/Cement Program: Additional Comments

13 3/8" Surface: Lead w/740 sx Cl C Cmt: + 4% bwoc Bent + 2% bwoc CaCl2 + 0.125 #/sx Poly-E-Flake 80.9% FW, 13.5 ppg, Yld: 1.75 cf/sx. Tail w/440 sx Cl C Cmt + 2% bwoc CaCl2 + 0.125 #/sx Poly-E-Flake + 63.1% FW, 14.8 ppg, Yld: 1.35 cf/sx; TOC @ surface. 9 5/8" Intermediate: Lead w/1035 sx(65:35) Cl C Cmt:Poz (Fly Ash): + 5% bwow CaCL + 0.125 #/sx Poly-E-Flake + 6% bwoc Bent + 49.2% FW, 12.5 ppg, Yld: 2.04 cf/sx. Tail w/430 sx Cl C Cmt + 0.125 #/sx Poly-E-Flake + 63.5% Water, 14.8 ppg, Yld: 1.33 cf/sx; TOC @ surface. 5 1/2" Production: 1st Lead w/485 sx(50:50) Cl H: Poz (Fly.Ash) + 10% bwoc Bent + 8 #/sx CaCL + 0.15 #/sx FWCA, 0.125 #/sx Poly-E-Flake, 0.3% bwoc HR-601, 0.25 #/sx D-AIR 5000 + 64.9% FW, 11.8 ppg, Yld: 2.54 cf/sx. See Comments section for continuation of 5 1/2" production cement.

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 ☒ and/or 19.15.14.9 (B) NMAC ☒ , if applicable. Signature: _____ Printed Name: Electronically filed by Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmv.com Date: 7/3/2013	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 7/9/2013 Expiration Date: 7/9/2015 Conditions of Approval Attached
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Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 169577

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41253	2. Pool Code 59900	3. Pool Name TRIPLE X,BONE SPRING
4. Property Code 30884	5. Property Name THISTLE UNIT	6. Well No. 048H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3640

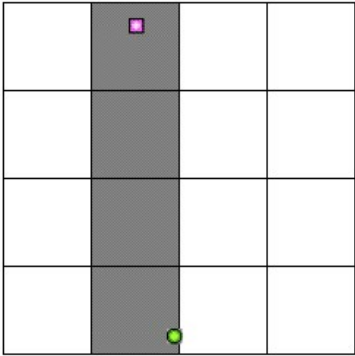
10. Surface Location

UL - Lot N	Section 34	Township 23S	Range 33E	Lot Idn C	Feet From 280	N/S Line S	Feet From 2561	E/W Line W	County LEA
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11. Bottom Hole Location If Different From Surface

UL - Lot C	Section 34	Township 23S	Range 33E	Lot Idn C	Feet From 330	N/S Line N	Feet From 1980	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>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> E-Signed By: Randy Bolles Title: Manager, Regulatory Affairs Date: 7/3/2013 SURVEYOR CERTIFICATION <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> Surveyed By: Filimon Jaramillo Date of Survey: 6/7/2013 Certificate Number: 12797
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Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: THISTLE UNIT #048H

API: 30-025-41253

Created By	Comment	Comment Date
dcook	2nd Lead w/325 sacks (65:35) Class H Cement + 6% bwow Bentonite + 0.25% bwoc HR-601+ 0.125 lbs/sack Poly-E-Flake + 49.1% Fresh Water, 12.5 ppg Yield: 1.96 cf/sk	7/3/2013
dcook	Tail w/1255 sx(50:50) Class H Cement + 2% bwow Bentonite + 0.5% bwoc Halad-344 + 0.3% bwoc CRF-3 + 1 lb/sk Salt+ 0.2% bwoc HR-601+ 33.6% Fresh Water, 14.5 ppg, Yield: 1.23cf/sk; TOC @ 4750'	7/3/2013
pkautz	Land s/S	7/9/2013
DMULL	OCD Hobbs office has received form C-144clez. OCD Permit Number P1-06481.	7/9/2013

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: THISTLE UNIT #048H

API: 30-025-41253

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
pkautz	In order to seal off protectable water, surface casing must be set 25' below top of Rustler Anhydrite