

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 151280

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MANZANO LLC PO BOX 2107 ROSWELL, NM 882022107		2. OGRID Number 231429
		3. API Number 30-025-40679
4. Property Code 39312	5. Property Name HOKIN BULL STATE	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	17	18S	35E	A	1045	N	1058	E	LEA

8. Pool Information

VACUUM;DEVONIAN, MID	62000
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3943
14. Multiple N	15. Proposed Depth 11700	16. Formation Devonian	17. Contractor	18. Spud Date 8/1/2012
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
Prod	17.5	13.375	17	11700	2000	0
Surf	11	8.625	48	1700	400	0
Int1	7.875	5.5	32	4000	1000	0

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Blind	5000	5000	
Pipe	5000	5000	

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"/> . Printed Name: Electronically filed by Michael Hanagan Title: Manager Email Address: l_pack@qwest.net Date: 7/11/2012	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 7/11/2012 Expiration Date: 7/11/2014 Conditions of Approval Attached
Phone: 505-623-1996	

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Form C-102
August 1, 2011
Permit 151280

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-40679	2. Pool Code 62000	3. Pool Name VACUUM;DEVONIAN, MID
4. Property Code 39312	5. Property Name HOOKIN BULL STATE	6. Well No. 001
7. OGRID No. 231429	8. Operator Name MANZANO LLC	9. Elevation 3943




10. Surface Location

UL - Lot A	Section 17	Township 18S	Range 35E	Lot Idn	Feet From 1045	N/S Line N	Feet From 1058	E/W Line E	County LEA
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 17	Township 18S	Range 35E	Lot Idn A	Feet From 990	N/S Line N	Feet From 990	E/W Line E	County LEA
12. Dedicated Acres 40.00		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%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px; background-color: #cccccc; text-align: center;">  </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;"></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: Michael Hanagan Title: Manager Date: 7/11/2012</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: GARY JONES Date of Survey: 6/15/2012 Certificate Number: 7977</p>
																	

Permit Comments

Operator: MANZANO LLC , 231429

Well: HOOKIN BULL STATE #001

API: 30-025-40679

Created By	Comment	Comment Date
pkautz	Land s/S	7/5/2012
DJEFFERS	Amended bottomhole location to standard location of 990' FNL & 990' FEL from non-standard location of 1045' FNL & 1058' FEL	7/11/2012
CHERRERA	OCD RECIEVED FORM C144 CLEZ. OCD PERMIT # P1-04903	7/11/2012

Permit Conditions of Approval

Operator: MANZANO LLC , 231429

Well: HOOKIN BULL STATE #001

API: 30-025-40679

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	Surface casing is to be set at least 25 below top of Rustler Anhydrite