

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) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 192368

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
4. Property Code 313703		3. API Number 30-025-42121
5. Property Name DOG BAR 11 FEE		6. Well No. 002H

7. Surface Location

UL - Lot	N	Section	11	Township	14S	Range	38E	Lot Idn	Feet From	200	N/S Line	S	Feet From	2200	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	C	Section	11	Township	14S	Range	38E	Lot Idn	C	Feet From	330	N/S Line	N	Feet From	2200	E/W Line	W	County	Lea
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9. Pool Information

BRONCO;SAN ANDRES, SOUTH	7500
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3768
16. Multiple N	17. Proposed Depth 9900	18. Formation San Andres	19. Contractor	20. Spud Date 9/30/2014
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	54.5	400	400	0
Int1	12.25	9.625	36	4200	1200	0
Prod	7.875	5.5	20	9900	1100	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Michael Hanagan	Approved By: Paul Kautz
Title: Manager	Title: Geologist
Email Address: debbi@manzanoenergy.com	Approved Date: 9/15/2014 Expiration Date: 9/15/2016
Date: 9/15/2014 Phone: 505-623-1996	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 192368

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42121	2. Pool Code 7500	3. Pool Name BRONCO;SAN ANDRES, SOUTH
4. Property Code 313703	5. Property Name DOG BAR 11 FEE	6. Well No. 002H
7. OGRID No. 231429	8. Operator Name MANZANO LLC	9. Elevation 3768

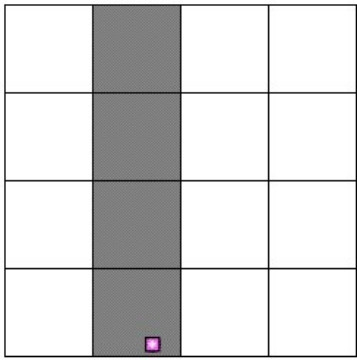
10. Surface Location

UL - Lot N	Section 11	Township 14S	Range 38E	Lot Idn	Feet From 200	N/S Line S	Feet From 2200	E/W Line W	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot C	Section 11	Township 14S	Range 38E	Lot Idn C	Feet From 330	N/S Line N	Feet From 2200	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

	<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: 9/15/2014</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: 8/26/2014 Certificate Number: 7977</p>
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Form APD Comments

Permit 192368

PERMIT COMMENTS

Operator Name and Address: MANZANO LLC [231429] PO BOX 2107 ROSWELL , NM 882022107	API Number: 30-025-42121
	Well: DOG BAR 11 FEE #002H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 192368

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MANZANO LLC [231429] PO BOX 2107 ROSWELL , NM 882022107	API Number: 30-025-42121
	Well: DOG BAR 11 FEE #002H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERNEMATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must circulate to surface --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement