

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 259445

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

1. Operator Name and Address MANZANO LLC P.O. Box 2107 Roswell, NM 88202		2. OGRID Number 231429
4. Property Code 322826		3. API Number 30-025-45330
5. Property Name TRINITY 27 FEE		6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	34	12S	38E	B	610	N	1584	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	27	12S	38E	B	50	N	1584	E	Lea

9. Pool Information

GLADIOLA;SAN ANDRES	27810
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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 3793
16. Multiple N	17. Proposed Depth 10800	18. Formation San Andres	19. Contractor	20. Spud Date 11/9/2018
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	12.25	8.625	32	2250	900	0
Prod	7.875	5.5	20	10800	2000	0

Casing/Cement Program: Additional Comments

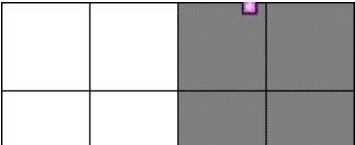
DRILL 12 1/4" SURFACE HOLE TO 2250', SET 8 5/8" 32#/FT J55 CASING TO TD, CEMENT TO SURFACE w/900SX CEMENT, WAIT 5 HOURS BEFORE NU BOPE, WAIT AT LEAST 12HRS BEFORE DRILLING NEW FORMATION, DRILL 7 7/8" VERTICAL HOLE TO KOB @ 4350', BUILD CURVE TO 5600'MD/5200'TVD, DRILL LATERAL FROM 5600'-10800'MD, RUN 5.5" 2-0#/FT CASING TO TD & CEMENT TO SURFACE w/2000SX CEMENT, NU WELLHEAD

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	SHAEFER

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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Michael Hanagan	Approved By: Paul F Kautz
Title: Manager	Title: Geologist
Email Address: debbi@manzanoenergy.com	Approved Date: 11/6/2018 Expiration Date: 11/6/2020
Date: 11/6/2018 Phone: 505-623-1996	Conditions of Approval Attached

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	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:	Michael Hanagan
	Title:	Manager
	Date:	11/6/2018
	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:	GARY JONES
	Date of Survey:	10/10/2018
	Certificate Number:	7977

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Form APD Comments

Permit 259445

PERMIT COMMENTS

Operator Name and Address: MANZANO LLC [231429] P.O. Box 2107 Roswell, NM 88202		API Number: 30-025-45330
		Well: TRINITY 27 FEE #002H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 259445

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MANZANO LLC [231429] P.O. Box 2107 Roswell, NM 88202	API Number: 30-025-45330
	Well: TRINITY 27 FEE #002H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	SURFACE & 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
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.