

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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		⁴ OGRID Number 231429
³ Property Code 38132	³ Property Name PEDRO 11 STATE	⁵ API Number 30 - 025 - 38746
⁹ Proposed Pool 1 MESCALARO, NORTH - CISCO		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no F	Section 11	Township 10-S	Range 32-E	Lot Idn	Feet from the 2025	North/South line NORTH	Feet from the 1985	East/West line WEST	County LEA
-------------------	---------------	------------------	---------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
--------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4269'
¹⁶ Multiple N	¹⁷ Proposed Depth 10000'	¹⁸ Formation CISCO-CANYON	¹⁹ Contractor	²⁰ Spud Date 05/05/2010



21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5"	13.375"	48#	400'	400	SURFACE
11"	8.625"	24#	3350'	1100	SURFACE
7.875"	5.5"	17#	10000'	1750	SURFACE

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill 17.5" hole to 400', run 13.375" 48#/ft casing to TD and cement with sufficient amount to circulate cement to surface. WOC 12 hrs prior to drilling on shoe. NU 3000# BOPE & test to 500 psi w/rig pumps. Drill 11.00" hole to 3350', run 8.625" 24#/ft casing to TD and cement with sufficient volume to circulate cement to surface. WOC 12 hrs prior to drilling on shoe. NU 3000# BOPE and test to 1000psi w/rig pumps. Drill 7.875" hole to 10000', set 5.5" 17#/ft casing to TD and cement with sufficient volume to circulate cement to surface.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION	
Signature: 	Approved by: 	
Printed name: Mike Hanagan	Title: PETROLEUM ENGINEER	
Title: Managing Member	Approval Date: MAY 03 2010	Expiration Date
E-mail Address: mhanagan@qwestoffice.net		
Date: 04-29-10	Phone: 575-623-1996	Conditions of Approval Attached <input type="checkbox"/>

RECEIVED

State of New Mexico

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88241

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88213

CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39746	Pool Code 45750 ✓	Pool Name Mescalero, North - Cisco Upper Penn
Property Code 38132	Property Name PEDRO 11 STATE	Well Number 1
OGRID No. 231429	Operator Name MANZANO, LLC	Elevation 4269'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	10-S	32-E		2025	NORTH	1985	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40 ✓	Joint or Infill	Consolidation Code	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>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Mike Hanagan</i> 4/29/10 Signature Date</p> <p>Mike Hanagan Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p> APR 2010</p> <p>Date Surveyed _____ LA</p> <p>Signature & Seal of Professional Surveyor <i>Ronald Eidson</i> 04/28/2010 10.11 0477</p>
	<p>Certificate No. RONALD EIDSON 3239</p>