

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

May 27, 2004

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 88202-2107		² OGRID Number 231429
³ Property Code 34982	³ Property Name DOGBERT STATE	⁴ API Number 30 - 025-29690
⁹ Proposed Pool 1 MALJAMAR GRAYBURG SAN ANDRES		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. G	Section 6	Township 17s	Range 33e	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 1980	East/West line EAST	County LEA
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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
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Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4230'
¹⁶ Multiple N	¹⁷ Proposed Depth 5500'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor UNITED DRILLING	²⁰ Spud Date August, 2005
Depth to Groundwater 185'		Distance from nearest fresh water well 5000'		Distance from nearest surface water > 1 MILE
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 8000_bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

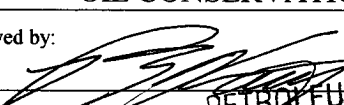
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	350'	375sx	SURFACE
7 7/8"	5 1/2"	15.50#	5500'	1500sx	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.

RE-ENTER BARNHILL #1 AMOCO STATE - DRILL OUT SURFACE PLUG - DRILL 12 1/4" HOLE TO 350' - RUN 8 5/8" 24#/ft J-55 CASING - CEMENT W/375sx CEMENT (CIRCULATE TO SURFACE) - NU 3000# WP BOPE & TEST TO 500# W/RIG PUMPS - WOC ON CEMENT 12 HOURS BEFORE DRILLING OUT SHOE - DRILL 7 7/8" HOLE TO TD OF ~5500' - IF WELL IS PRODUCTIVE, RUN 5 1/2" 15.50#/ft J-55 CASING TO TD AND CEMENT W/SUFFICIENT VOLUME TO CIRCULATE CEMENT TO SURFACE - IF NOT PRODUCTIVE, PLUG AND ABANDON AS PER NMOC D INSTRUCTIONS
 DRILLING EXPERIENCE INDICATES THAT H2S HAS NOT BEEN ENCOUNTERED DURING DRILLING OPERATIONS IN THIS IMMEDIATE AREA, WE REQUEST THAT THIS APPLICATION TO DRILL BE APPROVED WITHOUT A H2S CONTINGENCY PLAN

Permit Expires 1 Year From Approval
 Date Unless Drilling Underway
 Re-Entry

²³ 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 NMOC D guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: MIKE HANAGAN		Approved by: 	
Title: MANAGER		Title: PETROLEUM ENGINEER	
E-mail Address: mhanagan@dfn.com		Approval Date: Expiration Date:	
Date: 7/28/05	Phone: 505-623-1996	Conditions of Approval Attached <input type="checkbox"/>	

AUG 09 2005

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-29690	² Pool Code 43329	³ Pool Name MALJAMAR GRAYBURG SAN ANDRES
⁴ Property Code 34982	⁵ Property Name DOGBERT STATE	⁶ Well Number 1
⁷ OGRID No. 231429	⁸ Operator Name MANZANO, LLC	⁹ Elevation 4230'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the 1980'	North/South line	Feet from the 1980'	East/West line	County
G	6	17 S	33 E			NORTH		EAST	LEA

¹¹ 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

¹² Dedicated Acres 40 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature MIKE HANAGAN Printed Name MANAGER - mhanagan@dfn.com Title and E-mail Address August 1, 2005 Date
	¹⁸ 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> Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

MANZANO DOGBERT-STATE #1

BOP DIAGRAM

3000# SYSTEM

