

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

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-101

May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

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

Operator Name and Address MANZANO, LLC P.O. BOX 2107 - ROSWELL, NM 88202-2107		GRID Number 231429
Property Code 35556	Property Name CATHERINE FEE	API Number 30 - 041 - 28823
Proposed Pool 1 Wildcat Meadow Perm		Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	6	7s	33e		1980	SOUTH	1980	EAST	ROOSEVELT

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

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 4436'
Multiple N	Proposed Depth 9700	Formation MISSISSIPPIAN	Contractor UNITED DRILLING	Spud Date APRIL, 2006
Depth to Groundwater 250'		Distance from nearest fresh water well > ONE MILE		Distance from nearest surface water > ONE MILE
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 10000_bbls Drilling Method: <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48 #/FT	400'	400sx "C"	CIRCULATED
11"	8 5/8"	32#/FT	3750'	1200sx "C"	CIRCULATED
7 7/8"	5 1/2"	17#/FT	9700'	2000sx "C" + 250sx "H"	3000'

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 1/2" hole to 400', run 13 3/8" 48#/ft casing to TD & cement with sufficient amount to circulate cement to surface - WOC 12hrs prior to drilling on shoe - NU 3000# WP BOPE & test to 500# w/rig pumps - Drill 11" hole to 3750', run 8 5/8" casing to TD & cement with sufficient amount to circulate to surface - WOC 12 hours prior to drilling on shoe - NU 3000# WP BOPE & test to 1000# w/rig pumps - Drill 7 7/8" hole to 9700', log well, if logs indicate productive will run 5 1/2" 17#/ft casing to TD and cement with sufficient amount to bring cement back into 8 5/8" annulus (3000' or higher) - If non-productive will plug and abandon as per NMOCD instructions. Previous drilling and production operations in this immediate area indicate that potentially hazardous amounts of H2S have not been encountered and we respectfully request that this Application for Permit To Drill be approved without a H2S Contingency Plan

Permit Expires 1 Year 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. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Mike Hanagan

Title: Manager

E-mail Address: mhanagan@dfn.com

Date: 3/27/06

Phone: 505-623-1996

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval MAR 31 2006

Expiration Date:

PETROLEUM ENGINEER

Conditions of Approval Attached ☐

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1992
Instructions on back
Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL LOCATION AND ACREAGE RECORD		WELL NAME	
' AFI Number	' Pool Code	' Pool Name	
	✓	Wildcat - Morrow	
' Property Code	' Property Name		' Well Number
	CATHARINE FEE		1
' OGRID No.	' Operator Name		' Elevation
231429	Manzano LLC		4436

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	6	7-S	33 E		1980	South	1980	East	Roosevelt

" Bottom Hole Location If Different From Surface

" 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
<div> <div>" Dedicated Acres" 370</div> <div>" Joint or Infill"</div> <div>" Consolidation Code"</div> <div>" Order No."</div> </div>									

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

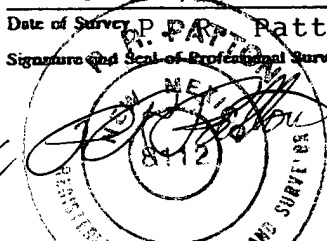
16		OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION		17 OPERATOR CERTIFICATION	
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
				Signature: <u>Mike Hanagan</u>	
				Printed Name: <u>MIKE HANAGAN</u>	
				Title: <u>MANAGER</u>	
				Date: <u>3/27/06</u>	
				18 SURVEYOR CERTIFICATION	
				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.	
				March 16, 2006	
				Date of Survey: <u>P. Patton</u>	
				Signature and Seal of Professional Surveyor:	
					
				Certificate Number: <u>8112</u>	

Diagram showing a well location plotted from field notes. The well is located at the intersection of two lines, each labeled 1980'.

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Fri 3/31/2006 10:14 AM

None of these appear on Jane's list and all but Roca have blanket bonds. Roca only has one well bonds for 5 wells.

From: Mull, Donna, EMNRD
Sent: Friday, March 31, 2006 7:54 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy, Is the Financial Assurance Requirements OK for these Operators?

Range Operating NM Inc (224588)
BTA Oil Producers (3002)
Marbob Energy Corp (14049)
ROCA Operating Inc (152374)
McGowan Working Partners Inc (220397)
Apache Corp (873)
Manzano LLC (231429)
Pogo Producing Co (17891)

Please let me know. Thanks and have a nice day. Donna