

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		231429	UGRID Number
Property Code 35157	Property Name CAM-FEE Cam Fee	30 -	API Number 041-20918
Proposed Pool 1 CEAVEROO, LOWER PENN, N (GAS)		Proposed Pool 2	

7 Surface Location									
UL or lot no. K	Section 34	Township 6s	Range 33e	Lot Idn	Feet from the 1650	North/South line SOUTH	Feet from the 1650	East/West line WEST	County ROOSEVELT

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 G	13 Cable/Rotary R	14 Lease Type Code P	15 Ground Level Elevation 4388'
16 Multiple N	17 Proposed Depth 9200	18 Formation MISSISSIPPIAN	19 Contractor UNITED DRILLING	20 Spud Date OCTOBER 20, 2005
Depth to Groundwater 250'		Distance from nearest fresh water well 3000 FEET		Distance from nearest surface water MORE THAN ONE MILE
Pit: Liner: Synthetic ☒ 12_mils thick Clay ☐ Pit Volume: 10000_bbls Drilling Method: Closed-Loop System ☐ Fresh Water ☐ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐				

21 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'	500sx "C"	CIRCULATED
11"	8 5/8"	32 #/FT	3700'	1200sx "C"	CIRCULATED
7 7/8"	5 1/2"	17 #/FT	9200'	2000sx "C" + 200sx "H"	225223000

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 3700', 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 9200', 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 ☐ .		OIL CONSERVATION DIVISION	
Printed name: Mike Hanagan		Approved by:	
Title: Manager		Title: PETROLEUM ENGINEER	
E-mail Address: mhanagan@dfa.com		Approval Date: OCT 07 2005	
Date: 9/29/05		Expiration Date:	
Phone: 505-623-1996		Conditions of Approval Attached ☐	
		OCT 07 2005	

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

Revised JUNE 10, 2003
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 30-041-20918	Pool Code 97445	Pool Name CHAUEROO, Lower Penn., N (GAS)
Property Code 35157	Property Name CAM FEE	Well Number 1
OGRID No. 231429	Operator Name MANZANO, LLC	Elevation 4388'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	34	6-S	33-E		1650	SOUTH	1650	WEST	ROOSEVELT

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 320	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

OPERATOR CERTIFICATION

I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Title

Date

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.

SEPTEMBER 7, 2005

Date Surveyed
Signature & Seal of Professional Surveyor

Certificate No. GARY EDISON

12841

MANZANO CAM-FEE #1

BOP DIAGRAM

3000# SYSTEM

