

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

¹ Operator Name and Address. Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107		¹ OGRID Number 013954
		¹ API Number 30 - 053-20012
¹ Property Code 19424	¹ Property Name Cathead Mesa	¹ Well No. 1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	8	4S	9E		2310	South	1650	West	Socorro

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 Wildcat					⁹ Proposed Pool 2				

¹⁰ Work Type Code N	¹⁰ Well Type Code O	¹⁰ Cable/Rotary R	¹⁰ Lease Type Code P	¹⁰ Grossed Level Elevation 6264'
¹⁰ Multiple No	¹⁰ Proposed Depth 10,000'	¹⁰ Formation Abo/Penn	¹⁰ Contractor WEK Drilling	¹⁰ Spud Date 9/1/96

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"	54.5#	1,500'	1000	Circl to surf
12-1/4"	9-5/8"	36 & 40#	4,400'	1100	Circl to surf
8-3/4"	5-1/2"	17 & 20#	10,000'	600	600' above top of pay

¹² 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 surface w/fresh water. Run surface casing to 1500' and cement back to surface. Drill intermediate hole through salt section and set intermediate casing at 4400'±. Cement to tie back to the surface casing. Drill an 8-3/4" hole to projected TD of 10,000'. Evaluate all zones of interest by DST, mud logs and open hole logs. Run pipe and cement across all hydrocarbon zones of interest if justified. See attached for BOP's.

OIL CONSERVATION COMMISSION TO BE NOTIFIED
WITHIN 24 HOURS OF BEGINNING OPERATIONS

¹³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Allison Hernandez</i>		OIL CONSERVATION DIVISION	
Printed name: Allison Hernandez		Approved by: <i>[Signature]</i>	
Title: Engineering Technician		Title: DISTRICT SUPERVISOR	
Date: 8/21/96		Approval Date: 8-27-96 Expiration Date: 8-27-97	
Phone: (505) 623-1996		Conditions of Approval: ☐ Attached ☐	
NEW MEXICO BUREAU OF MINES, SOCORRO			

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2083, Santa Fe, NM 87504-2083

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-053-20012		Pool Code	Pool Name Wildcat
Property Code	Property Name Cathead Mesa		Well Number 1
GRID No. 013954	Operator Name Manzano Oil Corporation		Elevation 6264

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
K	8	4s	9e		2310	South	1650	West	Socorro

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	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
40			

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

	¹⁷ OPERATOR CERTIFICATION
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>D.E. Brown</i> Signature D.E. Brown Printed Name VP Engineering Title August 21, 1996 Date
	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. July 11, 1996 Date of Survey <i>P.R. Patton</i> Signature and Seal of Professional Surveyor P.R. Patton REGISTERED PROFESSIONAL SURVEYOR 8112 Certificate Number



KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT

DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROBWELL, NEW MEXICO 88202-1498
808/623-5070 808/746-2719
ROBWELL, NM ARTESIA, NM

RIG #2

BLOWOUT PREVENTOR ARRANGEMENT

11" SHAFFER TYPE LWS, 5000 psi WP
11" CAMERON SPHERICAL, 5000 psi WP
120 GALLON, 5 STATION KOOMEY ACCUMULATOR
5000 psi WP CHOKE MANIFOLD

