

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

Operator Name and Address: Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107		OGRID Number 013954
		API Number 30 - 015-30056
Property Code 32172	Property Name Esperanza	Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	4	22S	27E		660	South	990	East	Eddy

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
Proposed Pool 1 Tansill Dam; Atoka 85900					Proposed Pool 2 Carlsbad; Strawn 74040				

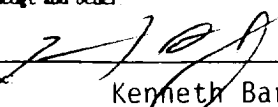
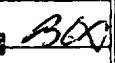
Work Type Code P	Well Type Code G	Cable/Rotary N/A	Lease Type Code P	Gross Level Elevation 3112'
Multiple No	Proposed Depth 11,200'	Formation Atoka or Strawn	Constructor Davis Tool Co.	Spud Date 8/23/99

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"	61#	429'KB	400 sx C1 C	Circl
12-1/4"	9-5/8"	40#	5,288'KB	850 sx 35/65	1400'
				Poz + 200 C1 C	
8-3/4"	5-1/2"	20 & 23#	11,815'KB	700 Super C	8376'

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.

Set CIBP @ 11,200'. Perf Atoka Lime @ 11,144-152'. Test. If non-commercial, set CIBP @ 11,050'. Cap w/35' of cement. Test Strawn from 10,634-50'. Return to production if justified. We will be using a blowout preventer (see diagram) pressured to 1000 psi while tripping tubing. When perforating, we will have the tree flanged up ready for production.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature:  Printed name: Kenneth Barbe, Jr. Title: Vice President Date: 8/20/99		OIL CONSERVATION DIVISION Approved by:  Title: ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR Approval Date: 8-26-99 Expiration Date: 8-26-00 Conditions of Approval Attached ☐	
Phone: (505) 623-1996			