

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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		² OGRID Number 013954
		³ API Number 30 - 025-28990
⁴ Property Code 26321	⁵ Property Name Pogo State	⁶ Well No. 1

⁷ 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	20	21S	35E		1980	South	2310	West	Lea

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
⁹ Proposed Pool 1 Wildcat					¹⁰ Proposed Pool 2 Udoo Morrow				

¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3624.5'
¹⁶ Multiple No	¹⁷ Proposed Depth 12,600'	¹⁸ Formation Morrow	¹⁹ Contractor El Toro	²⁰ Spud Date 8/15/00

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#	1570'	1400	Circ1
12-1/4"	10-3/4"	51,45.5#40.5#	3665'	1200	4200'
9-1/2"	7-5/8"	33.7, 29.7, 26.4	10736'	825	9100'
6-1/2"	4-1/2"	11.6#	12600'	500	10600'

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 out surface plug and 13-3/8" shoe plug. Ream and clean to 10-3/4" shoe plug. Install BOP's. Test to 3000 psi. Drill out 10-3/4" shoe plug. Ream and clean to 7-7/8" shoe plug. Drill 7-7/8" shoe plug. Drill cement plugs @ 11,200' & 11,479'. Clean out to 12,600'. Test Morrow Sands between 11,100' and 12,500'. If commercial, run 4-1/2" to 12,600'. Cement back to 7-5/8" csg. Complete in Morrow zone.

**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.		OIL CONSERVATION DIVISION	
Signature: <i>Donnie E. Brown</i>		Approved by: <i>[Signature]</i> DISTRICT I SUPERVISOR	
Printed name: Donnie E. Brown		Title:	
Title: VP Engineering		Approval Date: JUL 31 2000	Expiration Date:
Date: 7/25/00	Phone: (505) 623-1996	Conditions of Approval: Attached <input type="checkbox"/>	

4501

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- 1 Operator's name and address.
- 2 Operator's OGRID number. If you do not have one, it will be assigned and filled in by the District office.
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'.
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD.
- 9 and 10 The proposed pool(s) to which this well is being drilled.
- 11 Work type code from the following table:

N	New well
E	Re-entry
D	Drill deeper
P	Plugback
A	Add a zone
- 12 Well type code from the following table:

O	Single oil completion
G	Single gas completion
M	Miscellaneous
I	Injection well
S	SWD well
W	Water supply well
C	Carbon dioxide well
- 13 Cable or rotary drilling code

C	Propose to cable tool drill
R	Propose to rotary drill
- 14 Lease type code from the following table:

S	State
P	Private
- 15 Ground level elevation above sea level.
- 16 Intend to multiple complete? Yes or No. Attach intended well bore diagram.
- 17 Proposed total depth of this well.
- 18 Geologic formation at TD.
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.