

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
Property Name Dinero State		Well No. 1
Property Code 25160		

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	5	17S	34E		660	North	1980	West	Lea

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 North Vacuum Atoka Morrow					Proposed Pool 2				

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Grossed Level Elevation 4116'
Multiple No	Proposed Depth 13,500'	Formation Morrow/Atoka	Contractor Patterson Drlg	Spud Date 12/27/99

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"	48#	400'	400 sks	Circl
12-1/4 & 11"	8-5/8"	24 & 32#	4,700'	1200 sks	Circl
7-7/8"	5-1/2"	17 & 20#	13,500'	600 sks	600' above
					Wolfcamp Pay

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 surface casing @ 400'. Set intermediate casing @ 4700'. Install BOP's. Test to 3000 psi. Drill to 13,500'. DST zones of interest. Run open hole logs. Run production casing if justified.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <u>Donnie E. Brown</u>		OIL CONSERVATION DIVISION	
Printed name: <u>Donnie E. Brown</u>		Approved by: <u>CHASLEY J. CHASE</u>	
Title: <u>VP Engineering</u>		Title: <u>CHASLEY J. CHASE</u>	
Date: <u>12/17/99</u>	Phone: <u>(505) 623-1996</u>	Approval Date: <u>DEC 21 1999</u>	Expiration Date:
		Conditions of Approval Attached <input type="checkbox"/>	

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 OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- 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 Multiple completion
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:
F Federal
S State
P Private
N Navajo
J Jicarilla
U Ute
I Other Indian tribe
- 15 Ground level elevation above sea level
- 16 Intend to multiple complete? Yes or No
- 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.

Approved
Date
Signature

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-34806		2 Pool Code 86800		3 Pool Name Vacuum, Atoka - Morrow North	
4 Property Code 25160		5 Property Name Dinero State			6 Well Number 1
7 OGRID No. 013954		8 Operator Name Manzano Oil Corporation			9 Elevation 4116

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	5	17 S	34 E		660	North	1980	West	Lea

11 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

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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

<p>16</p>				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature Donnie E. Brown</p> <p>Printed Name VP Engineering</p> <p>Title December 17, 1999</p> <p>Date</p>	
<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>December 17, 1999</p> <p>Date of Survey P. E. Barton, LS</p> <p>Signature and Seal of Professional Surveyor</p> <p>Certificate Number 8112</p>					

DERRICK

Lee C. Moore, 131' 550,000 lb. rated capacity.

PATTERSON DRILLING COMPANY
RIG #4

SUBSTRUCTURE

Lee C. Moore, 14½' high 550,000 lb. rated capacity.

MUD PUMPS

Pump No. 1: Emsco DB700. 700-H.P. with steel fluid end.
4¾" - 7¾" liners, 16" stroke. Compound driven

Pump No. 2: Emsco DB500 500 H.P. powered by D379
Caterpillar Diesel.

DRILL STRING

4,500' 4½" Grade E, 20-lb.

9,000' 4½" Grade E, 16.60-lb.

Tool Joints: 4½" XH, 6¼" OD.

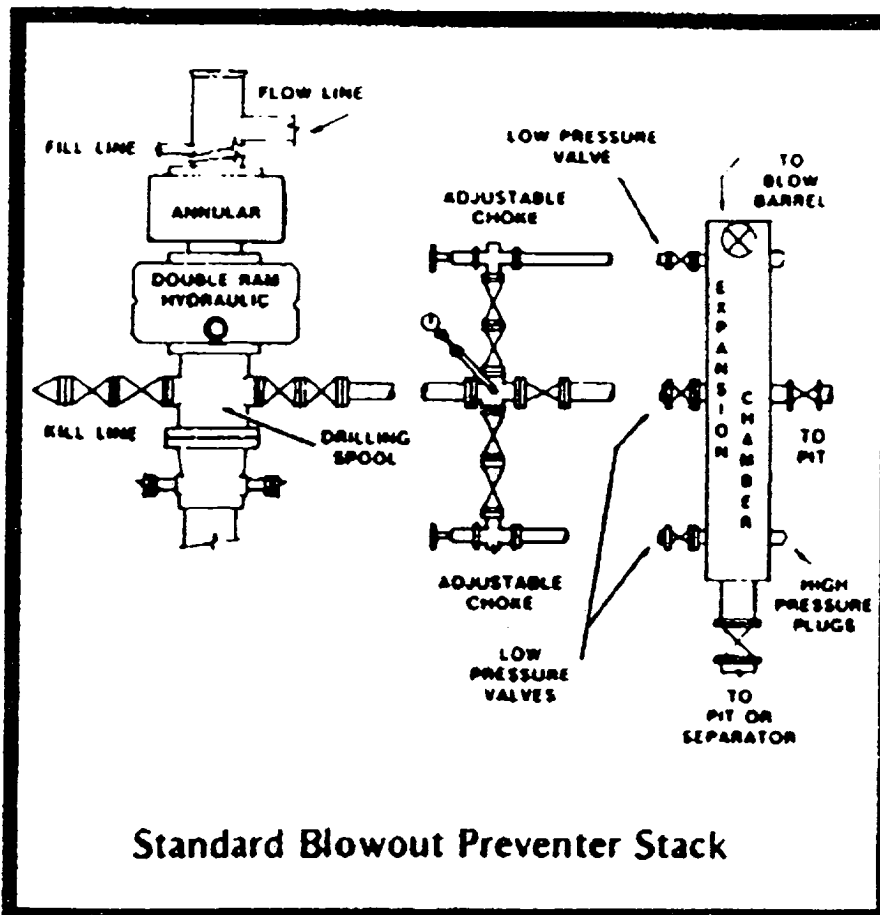
Twenty-Seven drillcollars 6½" OD, 2¼" ID.

Twenty-One 8" OD x 2½" ID Drill Collars

Other sized drillpipe and drillcollars available.

BLOWOUT PREVENTERS

One Shaffer LWS hydraulic double 11" x 5,000 p.s.i. One
Hydril 11" x 5,000 p.s.i. Choke manifold 4" x 5,000 p.s.i.
flanged connections. Koomey Type 80, 7-station
accumulator closing unit with remote control.



ELF
ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

2000
10/10/00
10/10/00
10/10/00