

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 Code 6277	Property Name Amoco State	APL Number 30-025-34902
		Well No. 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	13	20S	35E		1650	North	330	East	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 Eumont; Yates - 7Rvs - Queen Oil					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Gross Level Elevation 3642'
Multiple No	Proposed Depth 5050'	Formation Queen	Constructor Rod Ric Corp	Spud Date 2/15/2000

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	400'	275	Circl
7-7/8"	5-1/2"	17#	5050'	300	3300' or 300'
					above upper
					most 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.

Drill 12-1/4" hole to 400'. Run 8-5/8" csg & circl cement to surface. Install BOP's and test. Drill 7-7/8" hole to 5050'. Run open hole logs to TD. Evaluate zone of interest. Run production string 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: <i>Donnie E. Brown</i>		OIL CONSERVATION DIVISION	
Printed name: Donnie E. Brown		Approved by: ORIGINAL SIGNED BY DUFFE WILLIAMS DISTRICT SUPERVISOR	
Title: VP Engineering		Title:	
Date: 1/25/2000		Approval Date: JAN 25 2000	Expiration Date:
Phone: (505) 623-1996		Conditions of Approval Attached <input type="checkbox"/>	

3
2
5

2

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.

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| <p>1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.</p> <p>2 Operator's name and address</p> <p>3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.</p> <p>4 Property code. If this is a new property the OCD will assign the number and fill it in.</p> <p>5 Property name that used to be called 'well name'</p> <p>6 The number of this well on the property.</p> <p>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.</p> <p>8 The proposed bottom hole location of this well at TD</p> <p>9 and 10 The proposed pool(s) to which this well is being drilled.</p> <p>11 Work type code from the following table:
 N New well
 E Re-entry
 D Drill deeper
 P Plugback
 A Add a zone</p> <p>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</p> <p>13 Cable or rotary drilling code
 C Propose to cable tool drill
 R Propose to rotary drill</p> <p>14 Lease type code from the following table:
 F Federal
 S State
 P Private
 N Navajo
 J Jicarilla
 U Ute
 I Other Indian tribe</p> <p>15 Ground level elevation above sea level</p> <p>16 Intend to multiple complete? Yes or No</p> <p>17 Proposed total depth of this well</p> | <p>18 Geologic formation at TD</p> <p>19 Name of the intended drilling company if known.</p> <p>20 Anticipated spud date.</p> <p>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</p> <p>22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.</p> <p>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.</p> |
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34902		Pool Code 22800	Pool Name Cumant, Yates - 7 Pvs - Queen
Property Code 6277	Property Name Amoco State		Well Number 2
OGRID No. 013954	Operator Name Manzano Oil Corporation		Elevation 3642

¹⁰ Surface Location

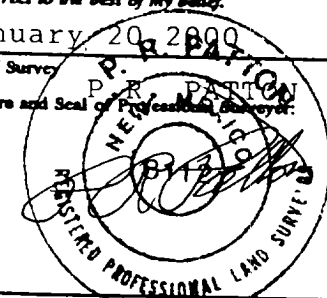
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	20S	35E		1650	North	330	East	Lea

¹¹ Bottom Hole Location If Different From Surface

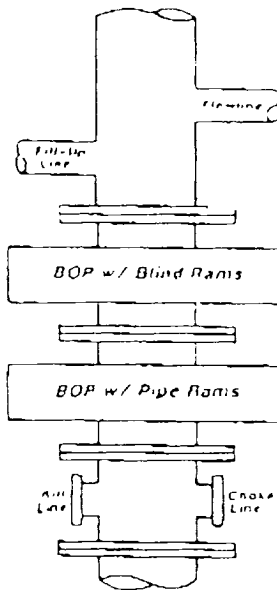
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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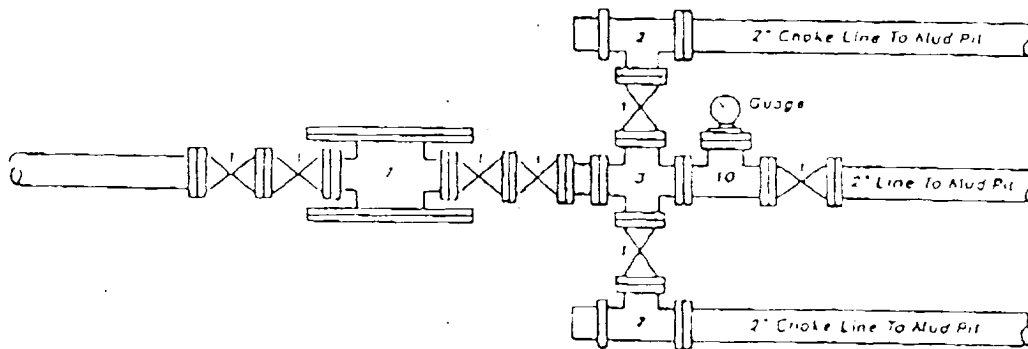
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div style="position: relative; height: 400px;"> <div style="position: absolute; top: 0; right: 0; text-align: right;"> 1650' 330' </div> </div>	¹⁷ OPERATOR CERTIFICATION	
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature: <u>Donnie E. Brown</u> Printed Name: <u>VP Engineering</u> Title: <u>VP Engineering</u> Date: <u>1/25/2000</u>	
	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.		
Date of Survey: <u>January 20, 2000</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> <div style="text-align: center;">  </div>		
Certificate Number: <u>8112</u>		

ROD RIC CORPORATION



MANZANO OIL CORPORATION'S
AMOCO STATE #2
1650'FNL & 330'FEL
SEC 13, T20S, R35E
LEA COUNTY, NEW MEXICO



Legend

- 1 2" flanged all steel valve must be either Cameron 15" Hamilton Low torque, or Shaller Flo-Seal
- 2 2" flanged adjustable chokes min. 1" full opening & Cameron w/ hold trim
- 3 4" x 2" flanged steel cross
- 4 4" flanged steel tee
- 5 4" flanged all steel valve (type as in no. 1)
- 6 Drilling tool w/ 2" x 4" flanged steel outlet
- 7 Drilling tool w/ 2" x 2" flanged outlet
- 8 2" x 2" flanged steel cross
- 9 4" pressure operated gate valve
- 10 2" flanged steel tee

Notes

Choke manifold may be located in any convenient position. Use all steel fittings throughout. Make 90° turns with dull plugged tees only. No field welding will be permitted on any of the components of the choke manifold and related equipment upstream of the chokes. The choke spool and all lines and fittings must be at least equivalent to the test pressure of the preventers required. Hydrogen closing control unit with clearly marked controls to be located on derrick floor near diller's position.

