

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTN.M.  
P.O.  
HOBBSFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

## SUBMIT IN TRIPLICATE

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other REENTRY

## 2. Name of Operator

Manzano Oil Corporation

## 3. Address and Telephone No.

P.O. Box 2107, Roswell, NM 88202-2107 (505) 623-1996

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 660' FWL  
Section 27, T19S, R32E

Unit D

## 5. Lease Designation and Serial No.

NM-71784

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA, Agreement Designation

## 8. Well Name and No.

Tonto Federal #1

## 9. API Well No.

## 10. Field and Pool, or Exploratory Area

Wildcat Lusk Delaware

## 11. County or Parish, State

Lea County, NM

## 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☐
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- ☐
- Abandonment
- 
- ☒
- Recompletion
- 
- ☐
- Plugging Back
- 
- ☐
- Casing Repair
- 
- ☐
- Altering Casing
- 
- ☐
- Other
- 
- ☐
- Change of Plans
- 
- ☐
- New Construction
- 
- ☐
- Non-Routine Fracturing
- 
- ☐
- Water Shut-Off
- 
- ☐
- Conversion to Injection
- 
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9/11/93 Drilled surface plug from 30' to 120'. Tag 2nd cement plug. Drill from 956' to 1053'. Tag shoe plug @ 4445'.

9/12/93 Drill shoe plug from 4445-4624'. TIH - washing from 7358' to TD of 7534'

9/17/93 Ran 167 jts 5-1/2" J55 17# LT&C 8R csg. Set @ 7138' steel measurements. Cemented w/975 sks Class H + 8#/sks CSE + 0.5% CF-14 + 0.35% Thrifty-Lite. Est top of cement @ 4300'.

9/21/93 Perf 6957-65 overall & 6891-6916 overall.

9/22/93 Acidize w/1500 gallons 10% NEFE.

9/23/93 This a.m. SITP 10 psi. FL 6000'. (4.9 bbls entry). Top 50' had 10% of emulsified oil with remainder acid water.

9/24/93 Perf 6491-6533 overall. Acidized w/1250 gallons 10% NEFE.

9/25/93 This a.m. SITP 30 psi. FL 3600'. 1st swab run 30% oil cut on top and 1% cut on bottom. Remainder dirty fm wtr.

9/26/93 Perf 5942-53 overall. Acidized w/750 gallons 10% NEFE.

9/27/93 This a.m. SITP 10 psi. FL 4150'. 1st swab run - no oil & ver sli fm gas. Have 44 bbls over load.

9/28/93 Perf 5242-54 overall. Acidize w/1000 gallons 10% NEFE. (OVER)

## 14. I hereby certify that the foregoing is true and correct

Signed Allison Kany Title Engineering TechnicianDate 10/4/93

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title

Date

ACCEPTED FOR RECORD

OCT 26 1993

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

9/29/93 1st swab run had 75' free oil on top w/trace at bottom of run.  
9/30/93 Swab perfs 6491-6532' down in 5 runs. This a.m. SITP 30 psi. Had 200' of  
emulsified oil. Bottom of run 1% oil cut.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLA CE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒ RE-ENTRY ☒ DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Manzano Oil Corporation 505/623-1996

3. ADDRESS AND TELEPHONE NO.

P. O. Box 2107 Roswell, NM 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface 660' FNL & 660' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

18 miles South of Maljamar, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

240

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

7500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3588' GL

22. APPROX. DATE WORK WILL START\*

July 1, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

Secretary's Potash

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	512'	450 sx (existing)
12 1/4"	9 5/8"	32 & 40#	4532'	3345 sx (existing)
8 3/4"	5 1/2" J-55	15.5#	7500'	1000 sx "H" to tieback

Mud Program:

0' - 4400': Saturated Brine mud:  
4400' - 7500': Cut Brine Mud:

Mud Wt.

10.0 ppg  
10.0 ppg

Vis.

28  
31-32

W/L Control

No W/L cont.  
W/L Cont. 15cc

BOP Program:

A 10" 3000 psi wp Shaffer Series 900 BOP will be installed on the 9 5/8" casing. Casing and BOP will be tested before drilling out with 8 3/4" at the 4400' depth. BOP will be used as a 2000 wp system and will be tested daily. See exhibit "E" for BOP.

Note: Propose to re-enter well with a rotary drilling rig and drill out existing cement plugs to a T.D. of 7500'. Will test and set 5 1/2" production casing if well is commercial.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Agent for:

SIGNED

*George P. Smith*

TITLE Manzano Oil Corp

DATE April 7, 1993

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

*Kathy Dalton*

TITLE

*Acty State Director*

DATE

*7-7-93*

\*See Instructions On Reverse Side

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**SEP 02 1993**

**SECURITY  
OFFICE**

# NEW MEXICO OIL CONSERVATION COMMISSION

## WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128  
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

### SECTION A

Operator Manzano Oil Corp. (Re-entry oper.) PAN AMERICAN PETROLEUM CORPORATION		Lease 2 JUL 30 AM 7:17 PLAINS UNIT		Tonto Federal	Well No. 1
Unit Letter D	Section 27	Township 19 SOUTH	Range 32 EAST	County LEA	

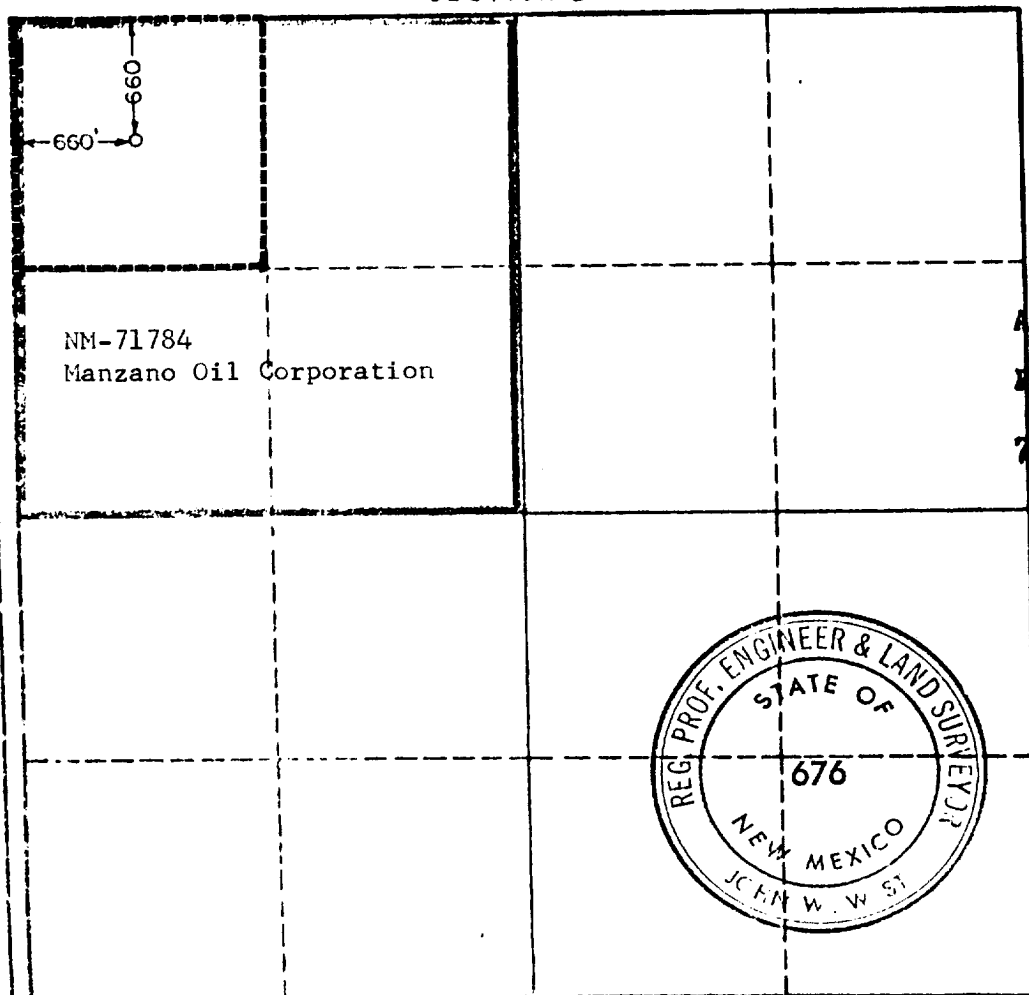
Actual Footage Location of Well:  
660 feet from the NORTH line and 660 feet from the WEST line

Ground Level Elev. MIA	Producing Formation Delaware <del>Wadsworth</del> Re-entry	Pool <del>Wildcat</del> Luck Delaware	Dedicated Acreage: <del>360</del> (40 re-entries)
---------------------------	---	--	--

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

### SECTION B



### CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name \_\_\_\_\_  
Original Signed by:  
V. E. STALEY  
Position \_\_\_\_\_

Area Superintendent  
Company \_\_\_\_\_  
Pan American Petroleum Corp.  
Date  
7-18-62

I hereby certify that the well location shown on the plat in SECTION B 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 knowledge and belief.

Date Surveyed  
7-17-62  
Registered Professional Engineer and/or Land Surveyor, JOHN W. WEST  
*John W. West*  
Certificate No.  
N.M. - P.E. & L.S. NO 676

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

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MANZANO OIL CORPORATION  
 #1 Tonto Federal  
 T 19S, R 32E  
 Section 27, 660' FNL, 660' FWL  
 Existing Cement Plugs in Well  
 T.D. on Re-entry: 7500'

Plugging	Surface	Bit	Casing	Depth	Cement
90' cmt @ surface		17 - 1/2"	13 - 3/8"	512'	450 sx
35 sx cmt @ 950 - 1050					
35 sx cmt @ 2530 - 2630'					
Spot cement plug @ 4400 - 4586'		12 - 1/4"	9 - 5/8"	4532'	3345 sx
50 sx cmt @ 7500 - 7686'					
	Cut 5 1/2" csg @ 7650 and pulled				
35 sx cmt plug on top of CIBP	CIBP @ 10,000'	8 - 3/4"	5 - 1/2"	10,780'	630 sx
	T.D 10,780'				

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OFFICE**



APPLICATION FOR DRILLING

MANZANO OIL CORPORATION  
Tonto Federal. Well No. 1  
660' FNL & 660' FWL, Sec. 27-T19S-R32E  
Lea County, New Mexico  
Lease No.: NM-71784  
(Development Well Re-entry)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Manzano Oil Corporation submits the following items of pertinent information in accordance with BLM requirements:

1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Rustler	960'	Cherry Can. Del.	4710'
Top/Salt	1156'	Brushy Can. Del.	5900'
Base/Salt	2560'	T.D.	7500'
Yates	2640'		

3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:

Water: Surface water between 100' - 350'.

Oil: Possible in the Delaware.

Gas: None expected.

4. Proposed Casing Program: See Form 3160-3.
5. Proposed Control Equipment: See Form 3160-3 and Exhibit "E".
6. Mud Program: See Form 3160-3.
7. Auxiliary Equipment: Blowout Preventer, gas detector, Kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging, and Coring Program:  
  
Drill Stem Tests: None unless warranted.  
  
Logging: Gamma Ray/neutron: Surface casing to T.D.  
CNL-LTD: Below 9 5/8" to T.D.  
  
Coring: None planned, but several rotary sidewall cores possible.
9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight. Estimated: BHP = 3000 psi, BH temp. = 120°
10. H<sub>2</sub>S: None expected based on previous drilling information of the well.
11. Anticipated starting date: July 1, 1993.  
Anticipated completion of drilling operations: Approx 3 weeks.

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KEN REYNOLDS—PRESIDENT  
ARNIE NEWKIRK—VICE-PRESIDENT

**DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS**

P. O. Box 1498 ROSWELL, NEW MEXICO 88202-1498  
505/623-5070 505/746-2719  
ROSWELL, NM ARTERIA, NM

## RIG #3

### BLOWOUT PREVENTOR ARRANGEMENT

2M SYSTEM

10" SHAFFER TYPE "E", 3000 psi WP

80 GALLON, 4 STATION KOOMEY ACCUMULATOR

3000 psi WP CHOKE MANIFOLD

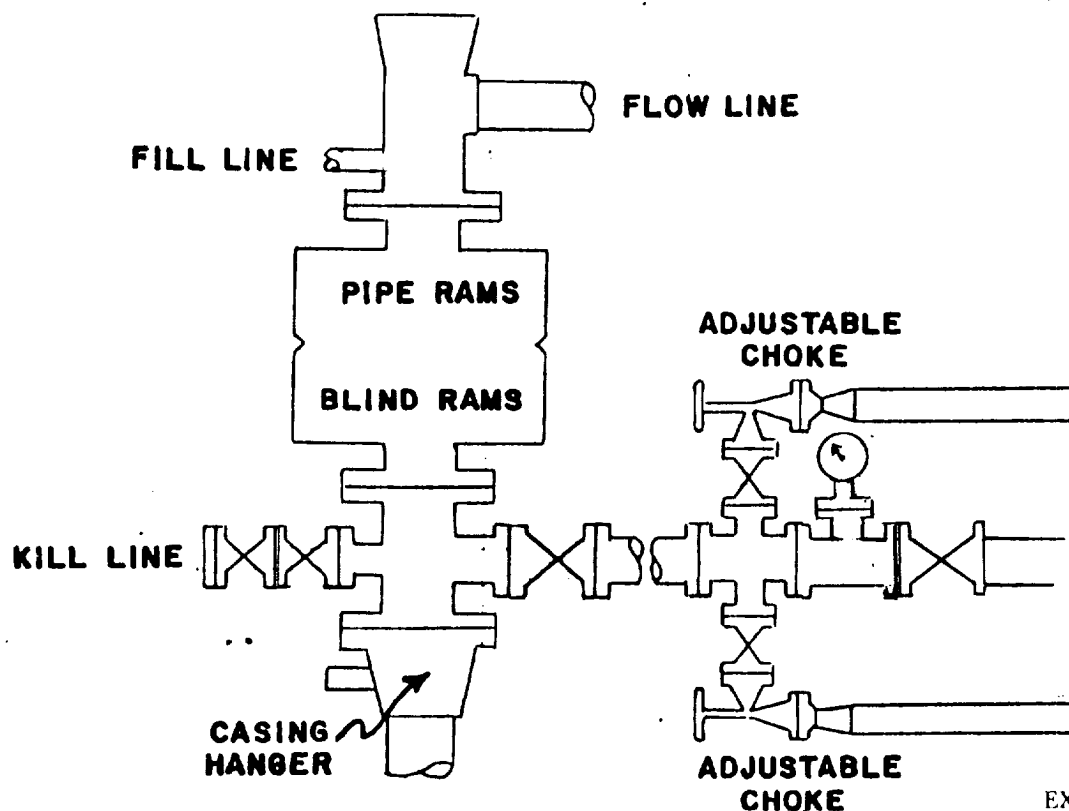


EXHIBIT "E"  
MANZANO OIL CORPORATION  
Tonto Federal, Well No. 1  
BOP Specifications

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**SEP 02 1993**

**JOHN HODGES  
OFFICE**