

N.M. OIL & GAS COMMISSION
P.O. BOX 1000
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

30-025-32092
Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Manzano Oil Corporation

012 154

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' FSL & 2100' FEL

At proposed prod. zone

Same

Unit 5

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

33 road miles west of Hobbs, NM

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

660'

18. NO. OF ACRES IN LEASE

520

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.

1200'

19. PROPOSED DEPTH

8000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3665' GL

22. APPROX. DATE WORK WILL START*

June 15, 1993

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" J-55	24#	1700'	Circ 1000 sx "C" to surface
7 7/8"	5 1/2" J-55	15.5-17#	8000'	600 sx "H" w/50/50 poz back to 5300' - SEE STEPS.

Mud Program:

0' - 1700': Fresh water native mud:
1700' - 6500': Brine mud:
6500' - 8000': Brine mud:

Mud Wt.
10.0 ppg
10.0 ppg
9.8-10 ppg

Vis.
28-30
30-32
30-32

W/L Control
No W/L control
No W/L control
W/L control 10-15cc

BOP Program:

A 10" 3000 psi wp Shaffer Series 900 BOP will installed on the 8 5/8" casing. Casing and BOP will be tested before drilling out with 7 7/8". BOP will be used as a 2000 psi wp system and will be tested daily.

Approval Subject to
General Requirements
Special Situations
Attached

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.

SIGNED Gregory Smith

Agent for:

TITLE Manzano Oil Corp

DATE April 14, 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

Ron Dunton

TITLE

AREA MANAGER

DATE

JUN 28 1993

*See Instructions On Reverse Side

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.

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ED HOEBS
DEPT. 2

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

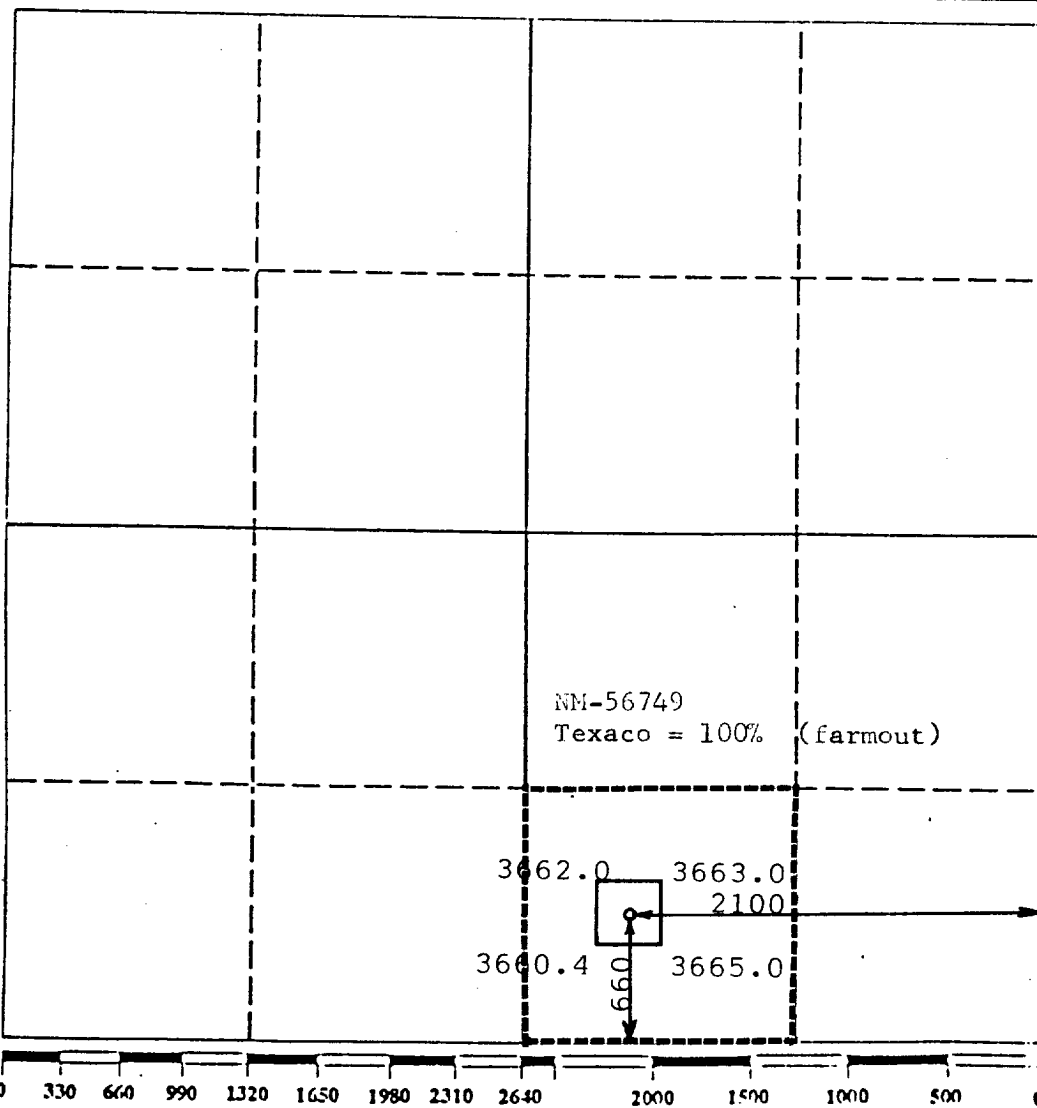
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Manzano Oil Corporation			Lease Texaco Federal		Well No. 4
Unit Letter 0	Section 14	Township 19 South	Range 33 East	County NM/M Lea	
Actual Footage Location of Well: 660 feet from the South line and 2100 feet from the East line					
Ground level Elev. 3665	Producing Formation Delaware		Pool <i>Undesigned</i> East Gem Delaware	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *George R. Smith*
Printed Name **George R. Smith**
Position
Agent for:
Company **Manzano Oil Corporation**
Date **April 14, 1993**

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 knowledge and belief.

Date Surveyed **April 9, 1993**
Signature & Seal of Professional Surveyor
P.R. Patton
Certificate No. **8112**

P.R. PATTON
NEW MEXICO
8112
REGISTERED PROFESSIONAL LAND SURVEYOR

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DOO HUBBIS
OFFICE

APPLICATION FOR DRILLING

MANZANO OIL CORPORATION
Texaco Federal, Well No. 4
660' FSL & 2100' FEL, Sec. 14-T19S-R33E
Lea County, New Mexico
Lease No.: NM-56749
(Development Well)

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	1500'	San Andres	5000'
Base of salt	3000'	Delaware	6000'
Yates	3285'	Bone Spring	7900'
Seven Rivers	3600'	T.D.	8000'

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

Water: Surface water between 100' - 350'.

Gas: None.

Oil: Possible in the Seven Rivers below 3600' and the Delaware below 6000'.

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 planned.

Logging: Gamma Ray/Neutron:	T.D. to surface.
CNL-LDC, DLL-MSFL	T. D. to 8 5/8" casing.

Coring: Several sidewall cores will probably be run.

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 = 4000 psi with temperature of 125°.
10. H₂S: None expected. None in previously drilled wells in area.
11. Anticipated starting date: June 15, 1993.
Anticipated completion of drilling operations: Approximately 4 weeks.

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U.S. DEPARTMENT OF
DEFENSE



KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT

DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS

P. O. BOX 1498 ROSWELL, NEW MEXICO 88202-1498
505/622-5070 505/746-2719
ROSWELL, NM ARTESIA, 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

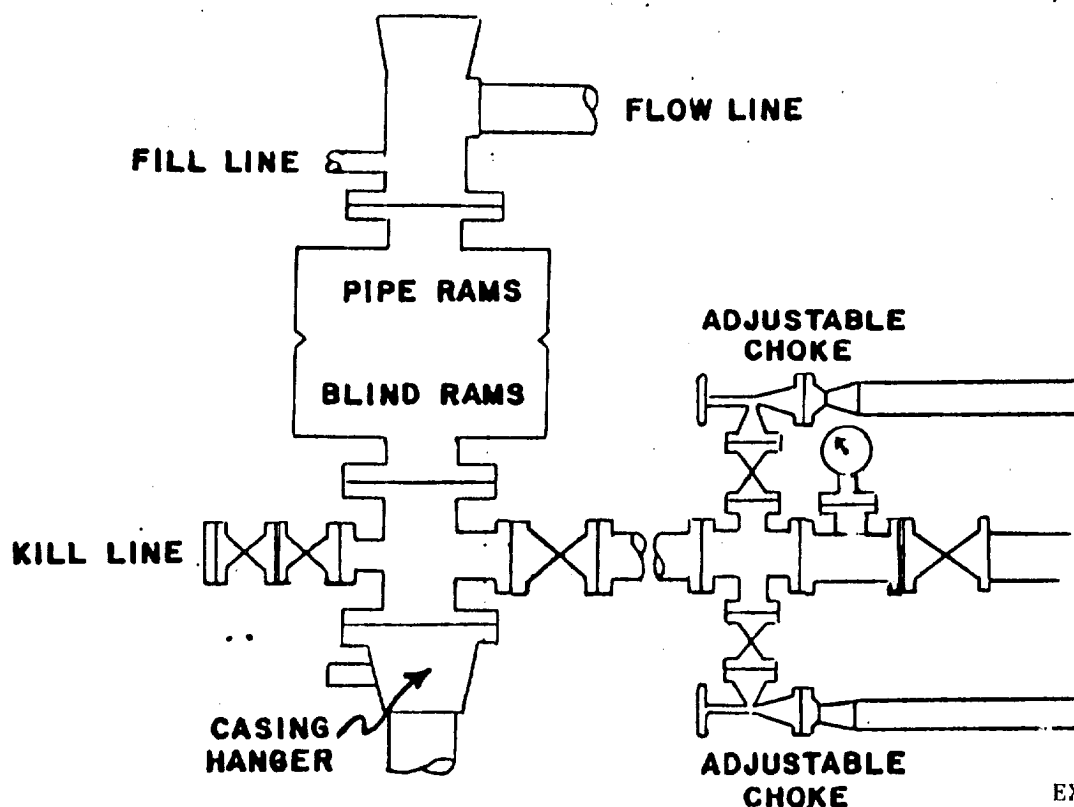


EXHIBIT "E"
MANZANO OIL CORPORATION
Texaco Federal, Well No. 4
BOP Specifications

11/30/93

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