

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-21337

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Cities Service Oil Company

3. ADDRESS OF OPERATOR

Box 1919 - Midland, Texas 79701

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

At surface

1880' FSL & 1780' FWL of Sec. 21-T21S-R27E, Eddy Co., New Mexico

At proposed prod. zone

Same as above

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

2 1/2 miles NE of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\*

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

1780' West

16. NO. OF ACRES IN LEASE

4932

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

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

1/2 mile S

19. PROPOSED DEPTH

11,800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3192' GR

22. APPROX. DATE WORK WILL START\*

August 19, 1974

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT      |
|--------------|----------------|-----------------|---------------|-------------------------|
| 2 1/4"       | 20"            | 9 1/2 & 10 1/2# | 100'          | 400 sacks (Circulated)  |
| 17 1/2"      | 13 3/8"        | 5 1/2#          | 1700'         | 1000 sacks (Circulated) |
| 12 1/4"      | 9 5/8"         | 32.3, 36 & 40#  | 3000'         | 1500 sacks (Circulated) |
| 8 3/4"       | 5 1/2"         | 17 & 20#        | 11800'        | 1000 sacks              |

It is proposed to drill this well to a T.D. of 11,800' and test the Morrow formation.

The blowout prevention program is as follows:

1. One set of blind rams.
2. One set of drill pipe rams.
3. One Hydril.
4. One rotating head.

This well is being drilled due to losing the hole of the original location at a T.D. of 1793'. This location is 100' south of the original location.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 prevention program, if any.

24.

SIGNED

*E. J. Eppinger*

TITLE Region Operation Manager

DATE August 15, 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

\*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION

Form No. 1  
Superintendent of  
Oil and Gas

All distances must be from the well. The boundaries of the section

|                            |        |                        |         |      |
|----------------------------|--------|------------------------|---------|------|
| Cities Service Oil Company |        | Elizondo, Federal      |         | 2Y   |
| K                          | 21     | 21 South               | 27 East | Eddy |
| 1780                       | West   | 1880                   | South   |      |
| 3192                       | Morrow | Undes. LaHuerta Morrow | 320     |      |

- Outline the acreage dedicated to the subject well by colored pencil or hashure 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

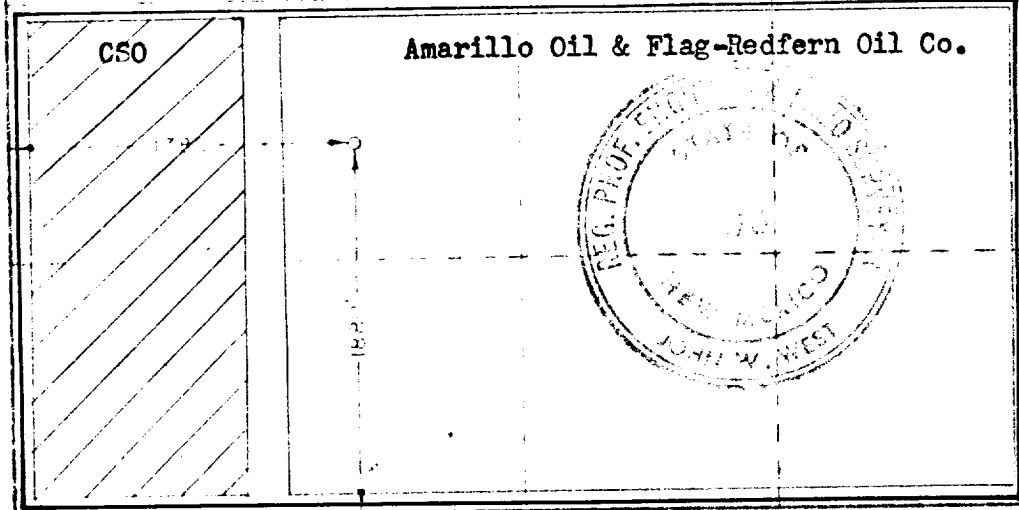
☒ Yes ☐ No If answer is "yes," type of consolidation Unitization & Force Pooling

If answer is "no," list the owners and tract descriptions which have actually been consolidated (if so reverse side of this form if necessary) See reverse side

No allowable unit will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Unit block consists of 4932 acres. Working interests of companies in this proposed well are as follows:

|                      |                   |
|----------------------|-------------------|
| Cities Service Oil   | 36.69185%         |
| Midwest Oil Corp.    | 22.18587%         |
| Amarillo Oil Company | 16.63940%         |
| Flag-Redfern Oil Co. | 16.63940%         |
| Union Oil of Calif.  | 4.43026%          |
| Champlin Petrol Co.  | 1.70661%          |
| Patoil Corporation   | 1.70661%          |
|                      | <u>100.00000%</u> |



CERTIFICATION

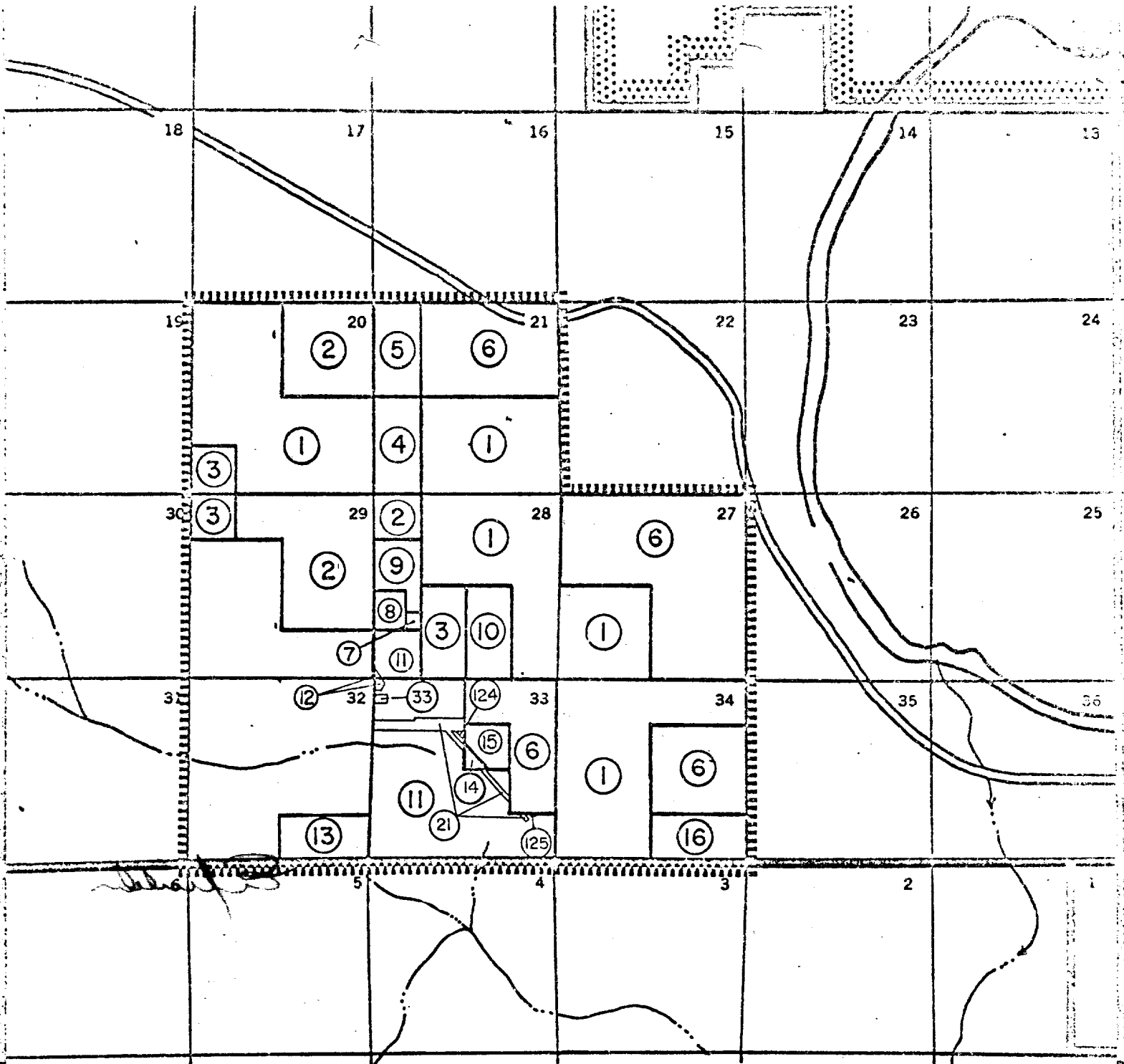
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name E. J. Smith  
Position Region Operation Manager  
Company Cities Service Oil Company  
Date August 15, 1974

**RECEIVED**

I hereby certify that the well location shown on this plat is based on true notes of actual surveys made by me or under my supervision and that the same is correct to the best of my knowledge and belief.

Date August 14, 1974  
Registered Professional Surveyor  
Signature John W. West  
676



R-27-E

TRACT NO.

WORKING INTEREST OWNER

Amarillo Oil Co., Flag-Redfern Oil Co.

2,3,4,5,7,

10,14,21 & 33 Cities Service Oil Co.

6 Midwest Oil Corp.

9 J.M. Huber, Pierce & Davis

11 Union Oil Co. of Calif.

13 Patoil Corp.

16 Champlin Petro. Co.

22,15,124

& 125

Unleased Acreage

PLAT OF UNIT AREA

..... UNIT AREA

② TRACT NUMBERS

SCALE: 1" = 4000'

EXHIBIT "A" PART IV

OPERATING AGREEMENT DATED SEPT. 22 1972  
EDDY COUNTY, NEW MEXICO