

N. M. O. C. D. 1001  
**APPENDED A LOCATION**SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY****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

**GREAT WESTERN DRILLING COMPANY**

## 3. ADDRESS OF OPERATOR

**P. O. BOX 1659, MIDLAND, TEXAS 79701**

JAN 15 1973

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

At surface

**Unit B, 837' FWL, 2157' FEL, Section 4, T-22-S, R-22-E**

At proposed prod. zone

**MORROW***changed footage*

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

**42 miles SW of Artesia**

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)**660'**

## 16. NO. OF ACRES IN LEASE

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.

## 19. PROPOSED DEPTH

**9,500'**

## 20. ROTARY OR CABLE TOOLS

**Rotary**

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

**4301.0' GR**

## 22. APPROX. DATE WORK WILL START\*

**Upon approval**

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE   | SIZE OF CASING | WEIGHT PER FOOT        | SETTING DEPTH | QUANTITY OF CEMENT               |
|----------------|----------------|------------------------|---------------|----------------------------------|
| <b>16"</b>     | <b>13 3/8"</b> | <b>48#</b>             | <b>375'</b>   | <b>400 ex, to be circulated</b>  |
| <b>12 1/2"</b> | <b>8 5/8"</b>  | <b>32# &amp; 24#</b>   | <b>1,900'</b> | <b>1200 ex, to be circulated</b> |
| <b>7 7/8"</b>  | <b>5 1/2"</b>  | <b>15.5# &amp; 17#</b> | <b>9,500'</b> | <b>265 ex</b>                    |

**Objective: Morrow Formation****Mud Program: 0' to 375' spud mud; 375' to 1900' water and solids mud if needed;  
1900' to T.D. water, gel and starch.****Blowout Preventer: Hydraulically operated Series 900 with blank and pipe rams.  
To be tested daily.**

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 preventer program, if any.

## 24.

SIGNED

*W. L. BEEKMAN*

TITLE

**Chief Engineer**DATE **1-10-73**

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:JAN 12 1973  
W. L. BEEKMAN  
ACTING DISTRICT ENGINEER

APPROVAL DATE

TITLE

\*See Instructions On Reverse Side

DECLARED WATER BASIN  
13 3/8"  
8 5/8"  
5 1/2"  
CEMENT BEHIND THE  
CASING MUST BE CIRCULATEDNOTIFY USGS IN SUFFICIENT TIME TO  
WITNESS CEMENTING THE

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 2: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

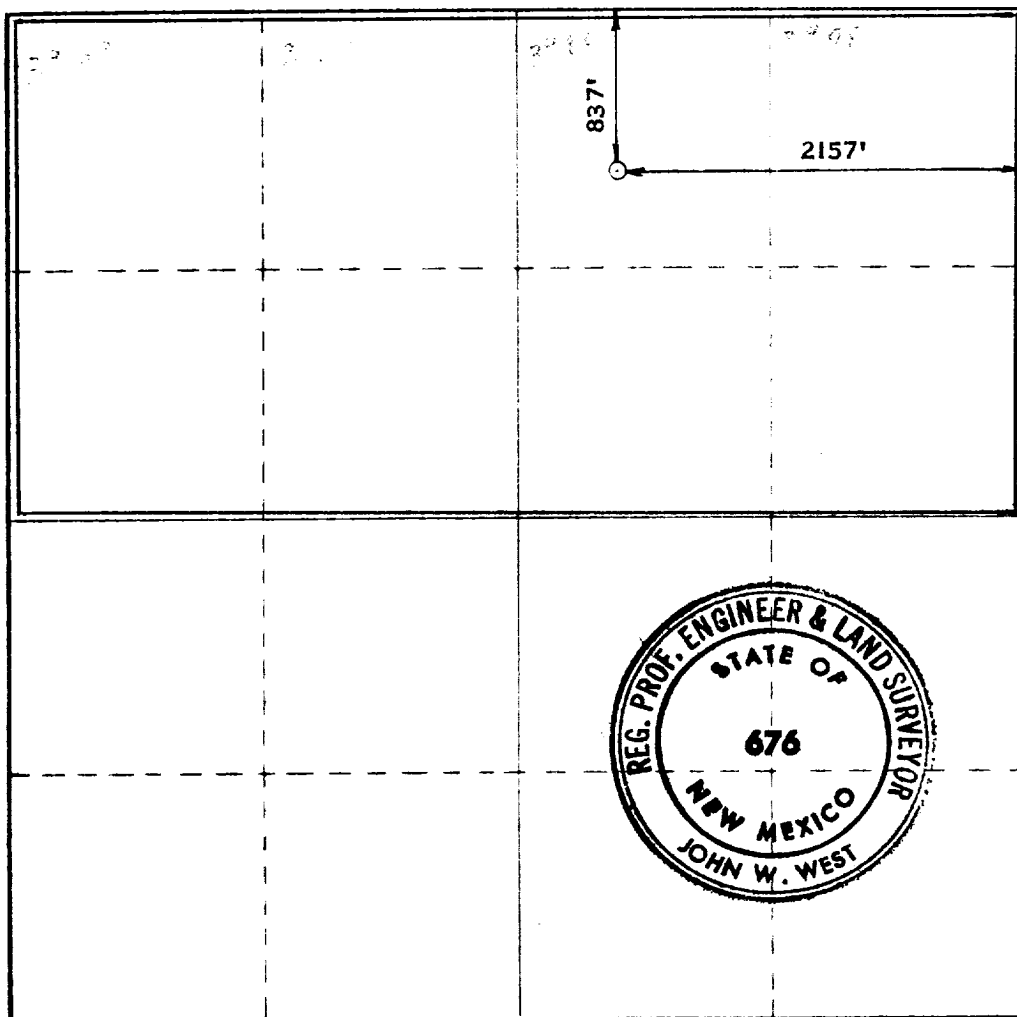
|                                                                                                                               |                                      |                             |                                    |                       |                                        |                      |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------|------------------------------------|-----------------------|----------------------------------------|----------------------|
| Operator<br><b>GREAT WESTERN DRILLING CO.</b>                                                                                 |                                      |                             | Lease<br><b>COWLEY DRAW</b>        |                       |                                        | Well No.<br><b>1</b> |
| Unit Letter<br><b>B</b>                                                                                                       | Section<br><b>4</b>                  | Township<br><b>22 SOUTH</b> | Range<br><b>22 EAST</b>            | County<br><b>EDDY</b> |                                        |                      |
| Actual Footage Location of Well:<br><b>837</b> feet from the <b>NORTH</b> line and <b>2157</b> feet from the <b>EAST</b> line |                                      |                             |                                    |                       |                                        |                      |
| Ground Level Elev.<br><b>4301</b>                                                                                             | Producing Formation<br><b>MORROW</b> |                             | Foot<br><b>WILDCAT 21st Morrow</b> |                       | Dedicated Acreage:<br><b>320</b> Acres |                      |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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 \_\_\_\_\_

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 communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

*R. I. Comstock*

Name

**R. I. Comstock**

Position

**Chief Engineer**

Company

**Great Western Drilling Co.**

Date

**January 10, 1973**

**RECEIVED**  
JAN 18 1973  
U.S. GEOLOGICAL SURVEY  
ARTESIAN, NEW MEXICO

I hereby certify that the location shown on this plat was plotted from field notes of actual survey 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

**JANUARY 8, 1973**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No.

**676**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

January 10, 1973

United States Department of the Interior  
Geological Survey  
Carper Building  
Artesia, New Mexico 88210

Re: PLAN OF DEVELOPMENT  
Great Western Drilling Company  
Cawley Draw No. 1  
Eddy County, New Mexico

Gentlemen:

The following information is submitted in support of our amended application to drill the above captioned well:

1. Existing roads: See Attachment 1
2. Planned roads: See Attachment 1
3. Location of wells: See Attachment 2
4. Lateral road to well Location: See Attachment 2
5. Location of tank battery and flow line: It is anticipated that this will be a dry gas well, not requiring a tank battery.
6. Location and type of water supply: Water will be purchased and trucked to the well site.
7. Method of waste disposal: Burn pit.
8. Location of camps: None
9. Location of airstrips: None
10. Location layout: See Attachment 3
11. Plans for restoration: All pits will be backfilled, the location cleaned and levelled and restored to original condition insofar as possible.

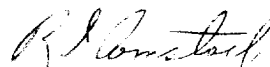
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JAN 12 1973

U.S. GEOLOGICAL SURVEY  
ARRESTO

Yours very truly,

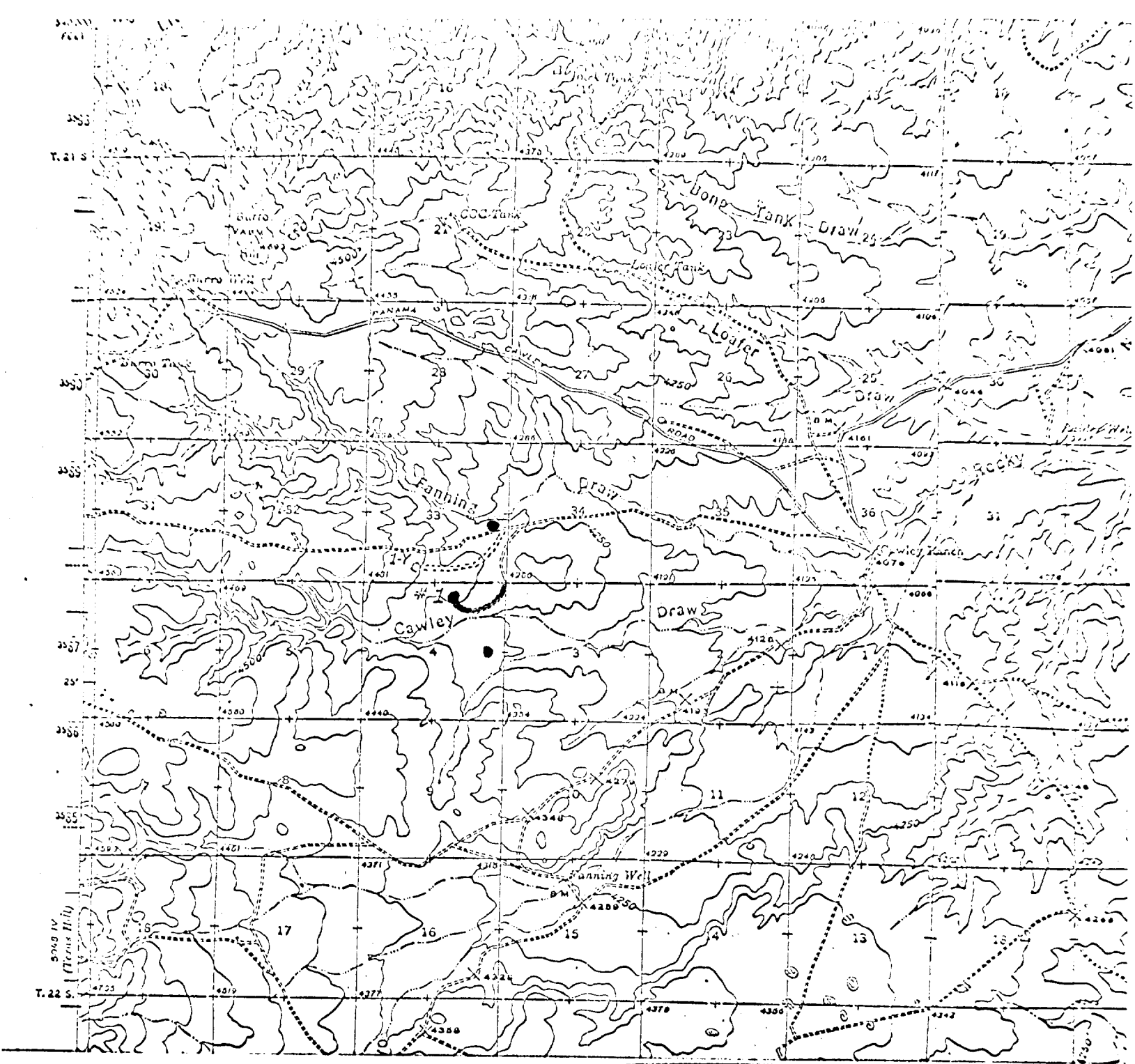
GREAT WESTERN DRILLING COMPANY



R. I. Comstock  
Chief Engineer

RIC/fl





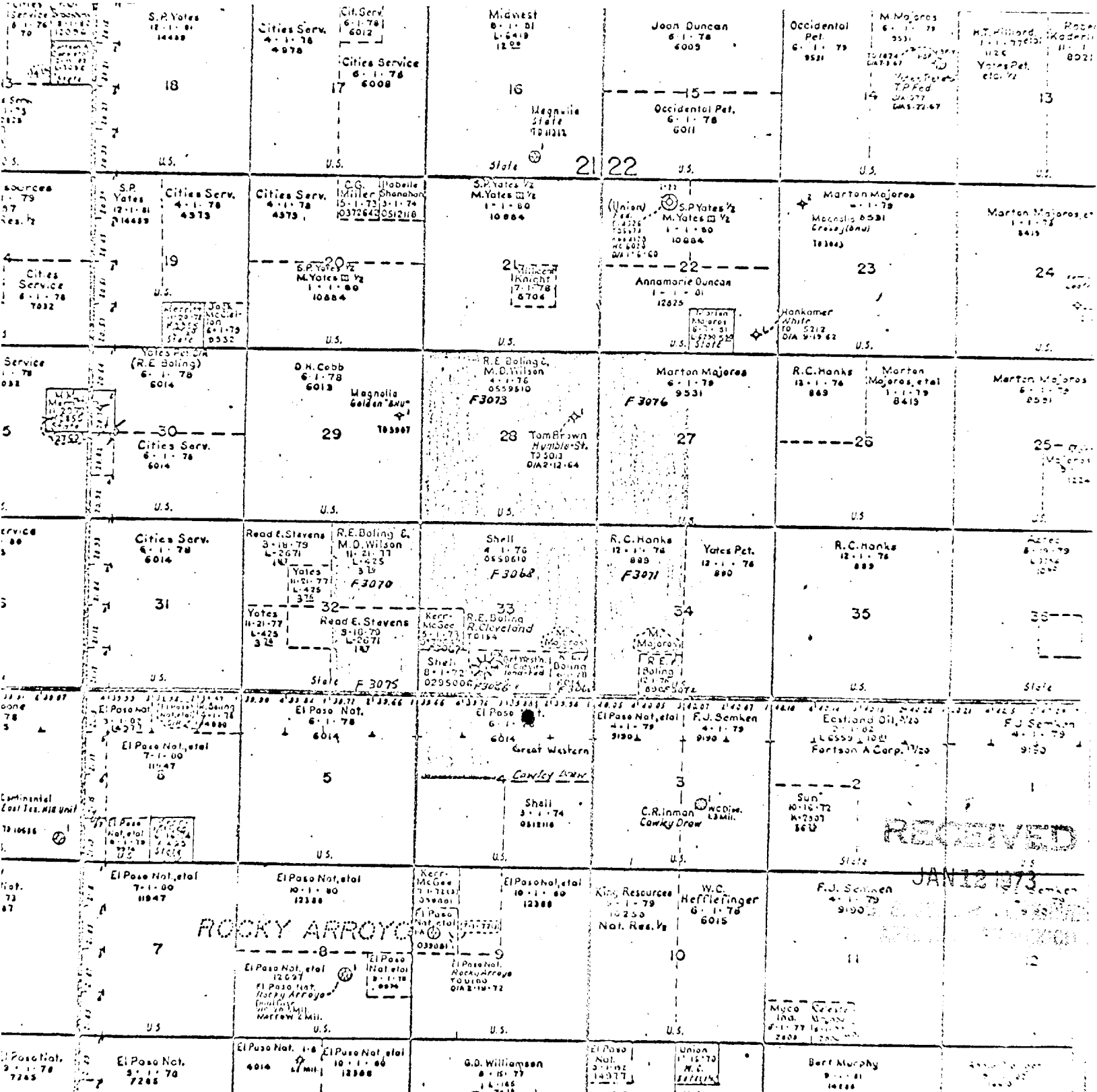
ATTACHMENT NO. 1

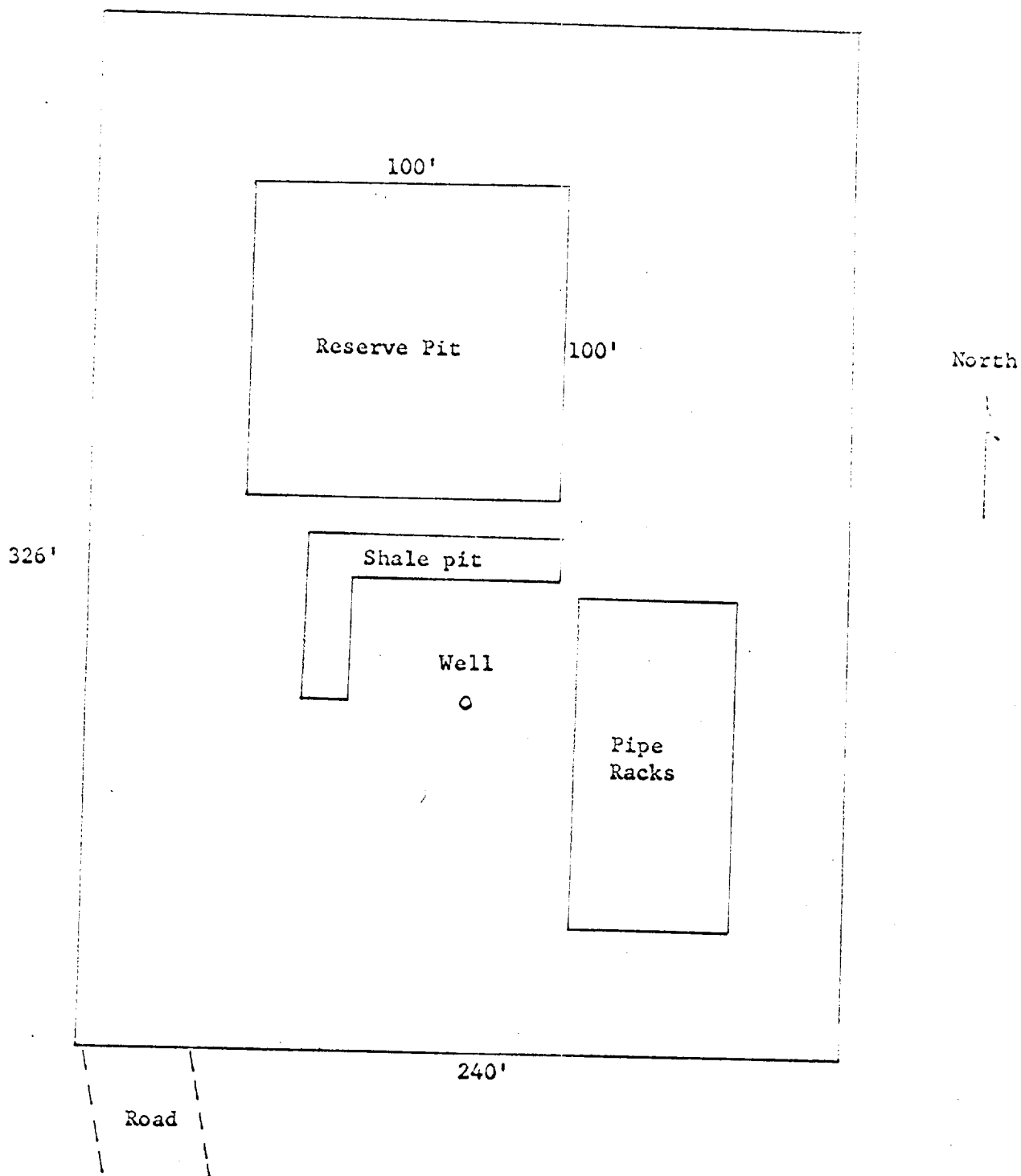
Operator: Great Western Drilling Company  
 Well Name: Cawley Draw No. 1 (Shown in red)  
 Location: 660' FNL, 1980' FEL, Section 4, T-22-S, R-22-E, Eddy County, New Mexico  
 Proposed Road: Shown in green  
 Water Wells: Shown in purple

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 JAN 12 1968

## ATTACHMENT No. 2

Operator: Great Western Drilling Company  
Well Name: Cawley Draw No. 1 (Shown in red)





Attachment No. 3

Location Layout

Operator: Great Western Drilling Company  
Well Name: Cawley Draw No. 1  
Location: 660' FNL, 1980' FEL, Section 4, T-22-S, R-22-E, Eddy  
County, New Mexico