

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

BOX 1659, MIDLAND, TEXAS 79701

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

At surface

Unit B, 660' PNL, 1980' FEL, Section 4, T-22-S, R-22-E

At proposed prod. zone

MORROW

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

10 miles east from Hagerman

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

19. PROPOSED DEPTH

9,500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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
16"	13 3/8"	48#	375'	400 sx, to be circulated
12 1/2"	8 5/8"	32# & 24#	1,900'	1200 sx, to be circulated
7 7/8"	5 1/2"	15.5# & 17#	9,500	265 sx

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.

RECEIVED

DEC 29 1972

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

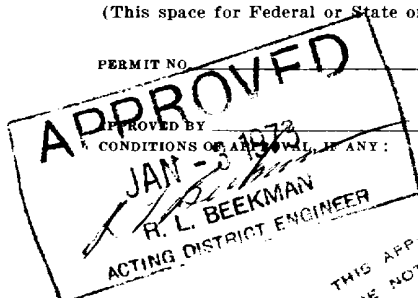
TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

THIS APPLICATION
IS NOT COMPLETED
WITHIN 3 MONTHS.
*See Instructions On Reverse SideDECLARED WATER BASIN
13 3/8"
C-MENT BEHIND THE
CASING MUST BE CIRCULATEDNOTIFY USGS IN SUFFICIENT TIME TO
WITNESS CEMENTING THE CASING.

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 4: 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.

N MEXICO OIL CONSERVATION COMMISS
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

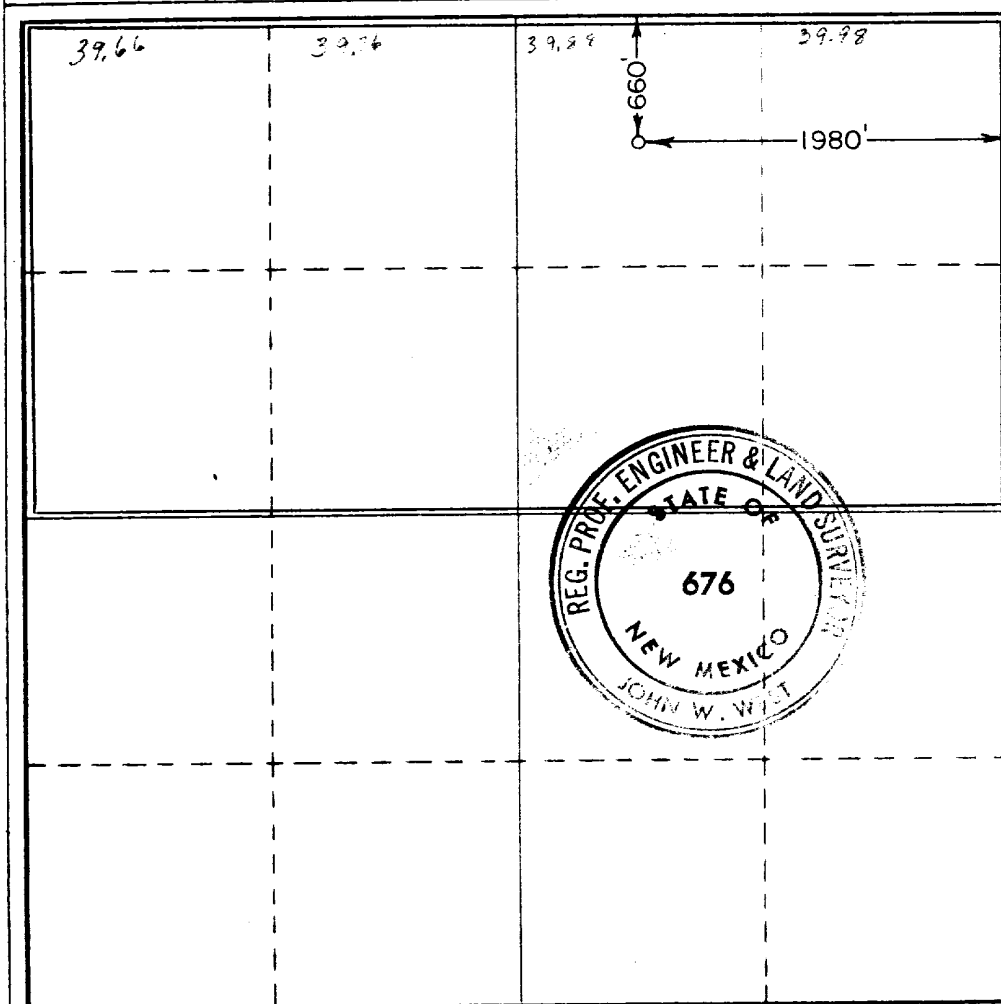
Operator GREAT WESTERN DRILLING CO.			Lease CAWLEY DRAW		Well No. 1
Unit Letter B	Section 4	Township 22 SOUTH	Range R22E	County EDDY	
Actual Footage Location of Well: 660 feet from the NORTH line and 1980 feet from the EAST line					
Ground Level Elev. 4301.0	Production Formation HORIZON	Pool WILDCAT and narrow		Dedicated Acreage: 319.28 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 **December 27, 1972**

RECEIVED
DEC 29 1972
 I hereby certify that the well location shown on this plat was plotted from field notes of actual measurements made by me or under my supervision and to the same is true and correct to the best of my knowledge and belief.
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Date Surveyed

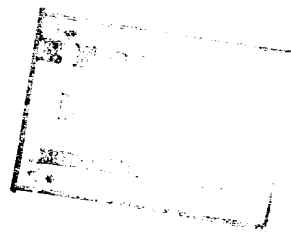
DECEMBER 21, 1972

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 2, 1973

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

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

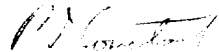
Gentlemen:

The following information is submitted in support of our application to drill the 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.

Yours very truly,

GREAT WESTERN DRILLING COMPANY



R. I. Comstock

RIC:JC

January 1, 1955

Office of the Secretary of the Interior
Department of the Interior
Washington, D.C.
Bureau of Land Management
Bureau of Reclamation
Bureau of Indian Affairs

Re: PLAN OF REVENUE
Great Western Drilling Company
Cawley No. 1
El Paso County, New Mexico

Enclosure

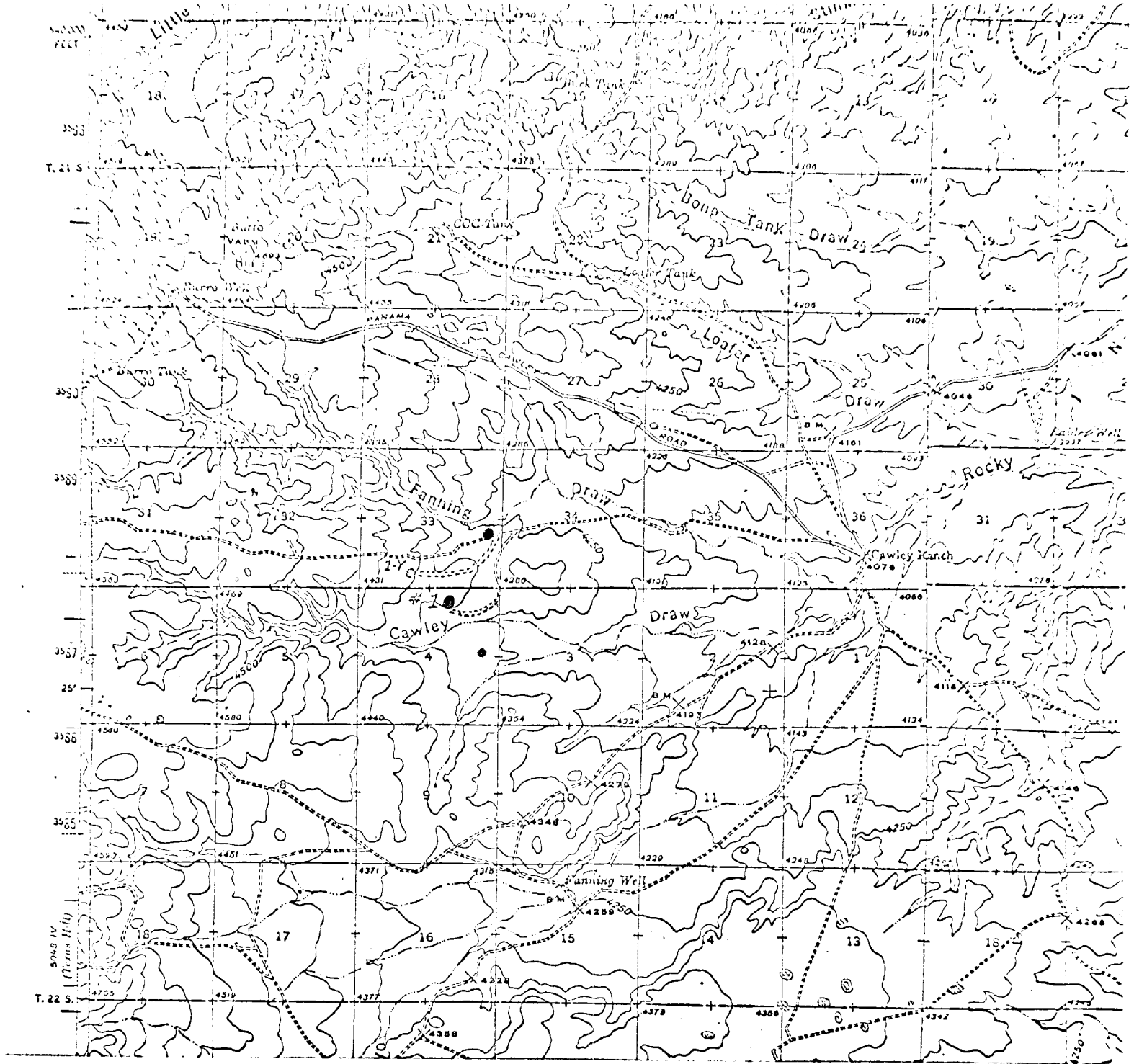
The following information is submitted in support of our application to
drill the proposed well:
1. Existing roads: See Attachment 1
2. Proposed roads: See Attachment 2
3. Location of well: See Attachment 3
4. Location of well: See Attachment 4
5. Location of well: See Attachment 5
6. Location of well: See Attachment 6
7. Location of well: See Attachment 7
8. Location of well: See Attachment 8
9. Location of well: See Attachment 9
10. Location of well: See Attachment 10
11. Location of well: See Attachment 11
12. Location of well: See Attachment 12
13. Location of well: See Attachment 13
14. Location of well: See Attachment 14
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96. Location of well: See Attachment 96
97. Location of well: See Attachment 97
98. Location of well: See Attachment 98
99. Location of well: See Attachment 99
100. Location of well: See Attachment 100

Very truly yours,

WILLIAM W. WILSON, JR.

Enclosure

100

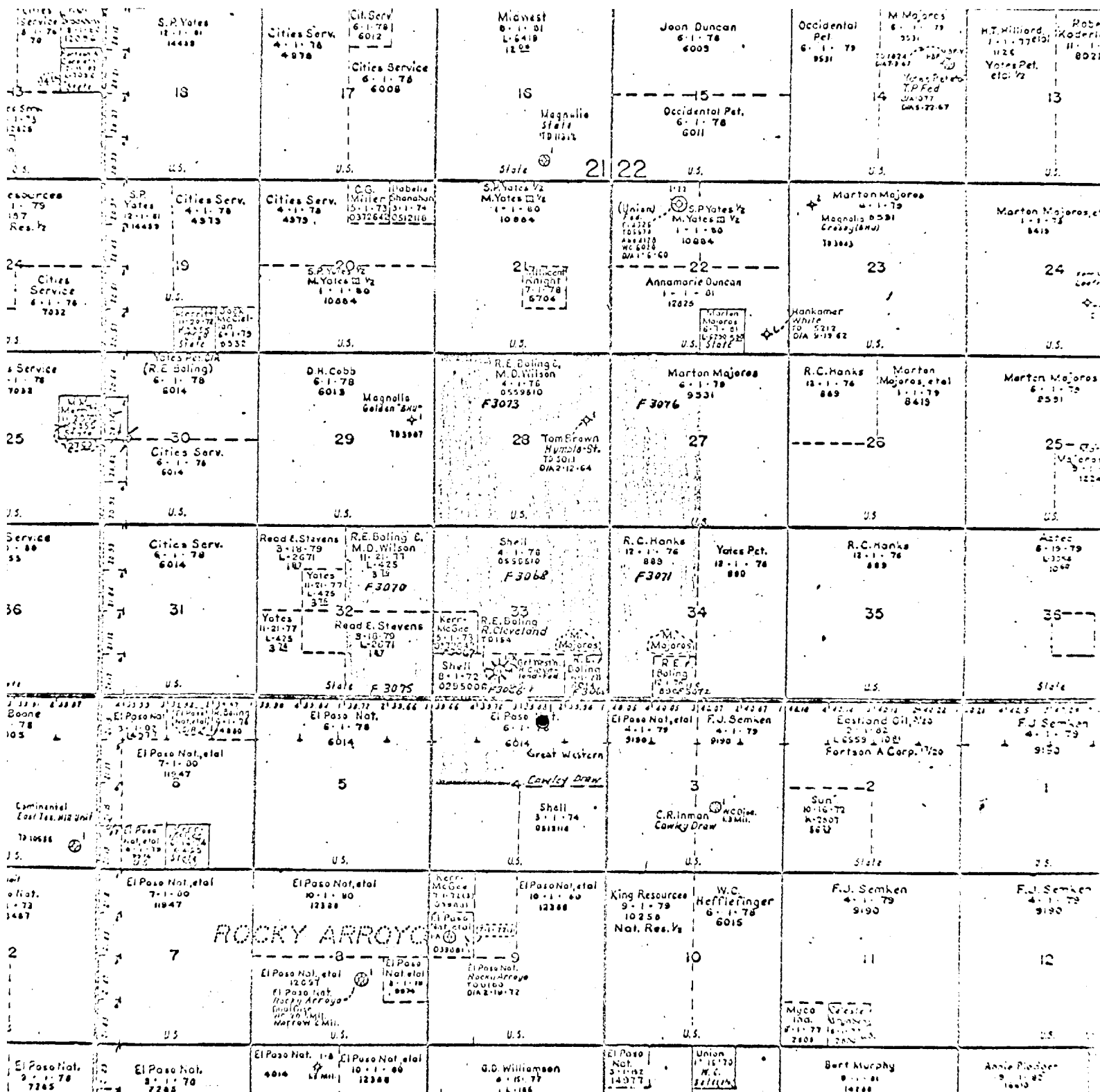


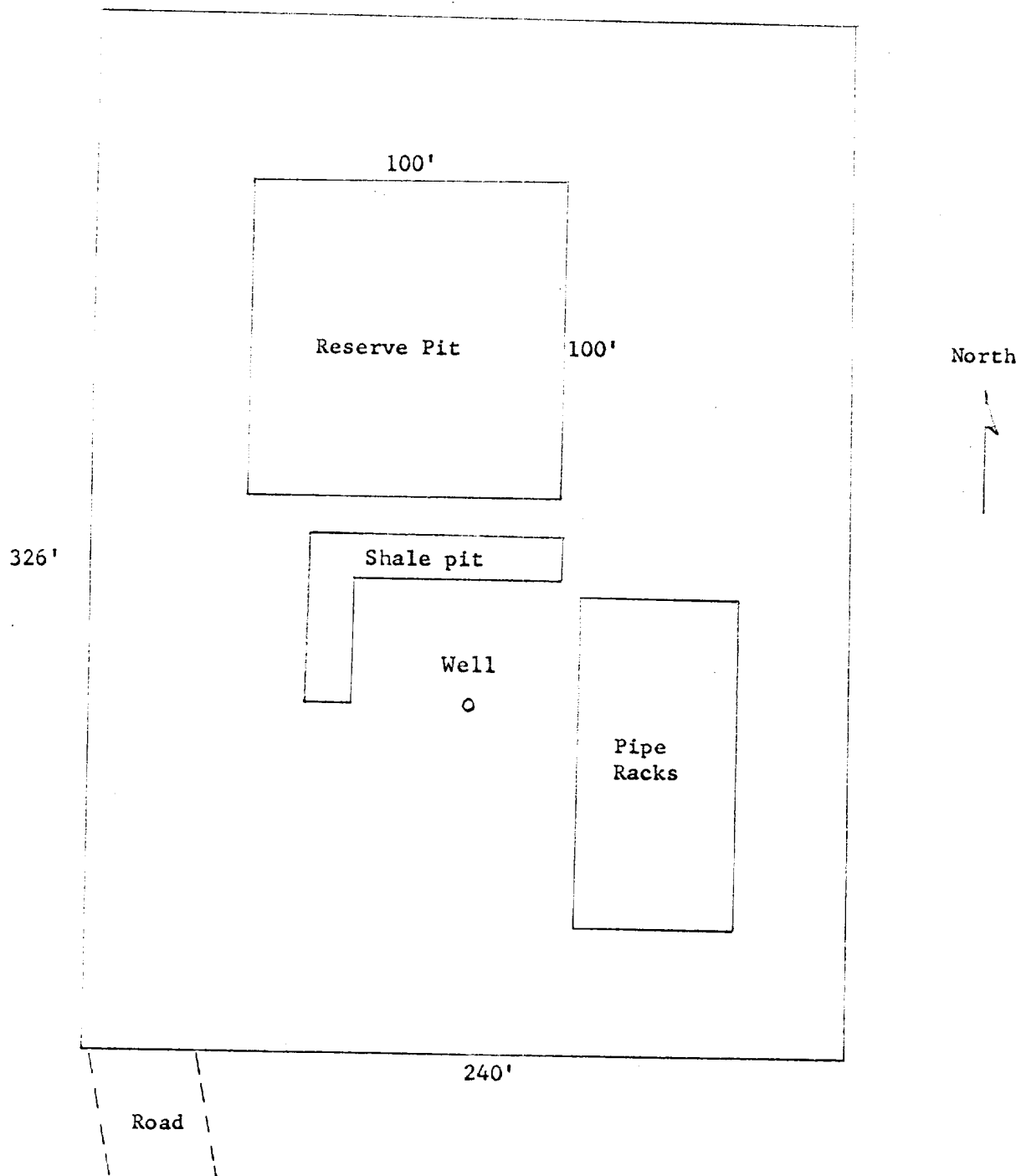
ATTACHMENT NO. 1

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

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