

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

SING 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 G, 1980' FEL, 1880' FNL, Section 33, T-21-S, R-22-E

At proposed prod. zone

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

42 miles Southwest of Artesia, New Mexico

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.

3031.6'

19. PROPOSED DEPTH

9,450'

20. ROTARY OR CABLE TOOLS

ROTARY

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

4326.5' 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
17 1/2"	13 3/8"	48#	350'	400 ex. circulated
12 1/4"	8 5/8"	32# & 24#	1,900'	1200 ex. circulated
7 7/8"	5 1/2"	15.5# & 17#	9,450'	700 ex

Objective:

Morrow Formation

Mud Program:

0' to 350', spud mud; 350' to 1900', water and LCM/
1900' to 6300', water; 6300' to TD, KCL water w/flosal
and Drispac, wt. 9.0.

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 R. I. Comstock TITLE Chief Engineer

DATE January 7, 1974

(This space for Federal or State office use)

PERMIT NO.

SUBJECT TO ATTACHED DEEP WELL CONTROL REQUIREMENTS DATED JUN 22 1973

DECLARED WATER BASIN

CEMENT BEHIND THE CASING MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO WITNESS CEMENTING THE CASING

APPROVED BY R. E. BEEKMAN

ACTING DISTRICT ENGINEER

THIS APPROVAL IS RETAINED IF OPERATIONS COMMENCED WITHIN 3 MONTHS.

APR 11 1974 See Instructions On Reverse Side

RECEIVED
JAN - 8 1974
GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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.

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WELL ☐GAS
WELL ☒

OTHER

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ZONE ☒MULTIPLE
ZONE ☐

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GREAT WESTERN DRILLING COMPANY ✓

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BOX 1659, MIDLAND, TEXAS 79701

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Objective: Morrow Formation

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24.

SIGNED

R. I. Comstock TITLE Chief Engineer

DATE January 4, 1974

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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AMENDED - CHANGED DEDICATED ACREAGE
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form G-102
 Supersedes G-101
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

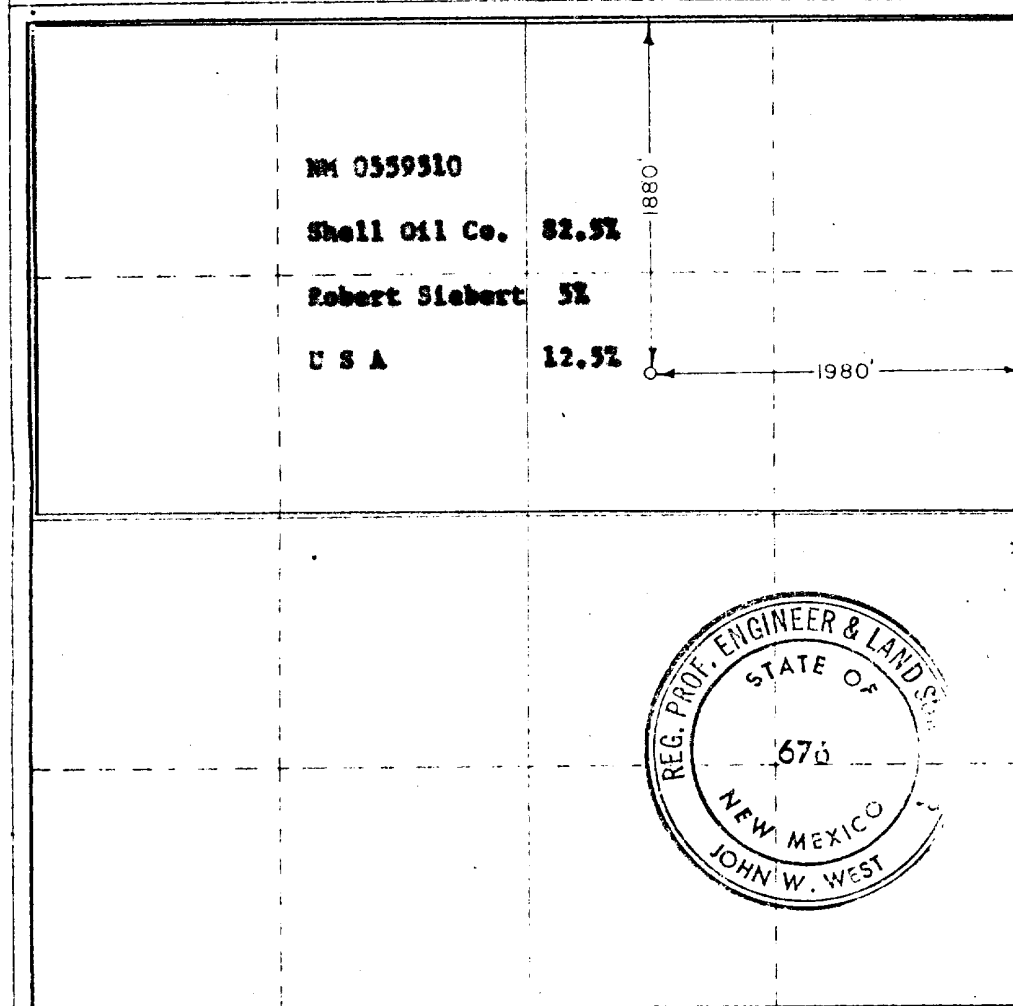
Operator GREAT WESTERN DRILLING COMPANY			Lease REESE CLEVELAND, FEDERAL		Well No. 21
Unit Letter G	Section 33	Township 21 SOUTH	Range 22 EAST	County EDDY	
Actual Footage Location of Well: 1980 feet from the EAST line and 1880 feet from the NORTH line					
Ground Level Elev. 4326.5	Producing Formation MORROW	Pool UNDESIGNATED (MORROW)	Dedicated Acreage: 320		

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.

[Signature]
 Name:

A. L. Comstock

Location:

Chief Engineer

Company:

Great Western Drilling Company

Date:

January 7, 1973

RECEIVED
 JAN 8 1973

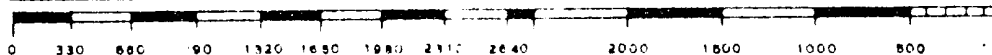
Certify that the well location shown on this plat is plotted from notes of a survey made under my supervision and to the best of my knowledge and belief.

Date Surveyed:

December 27, 1973

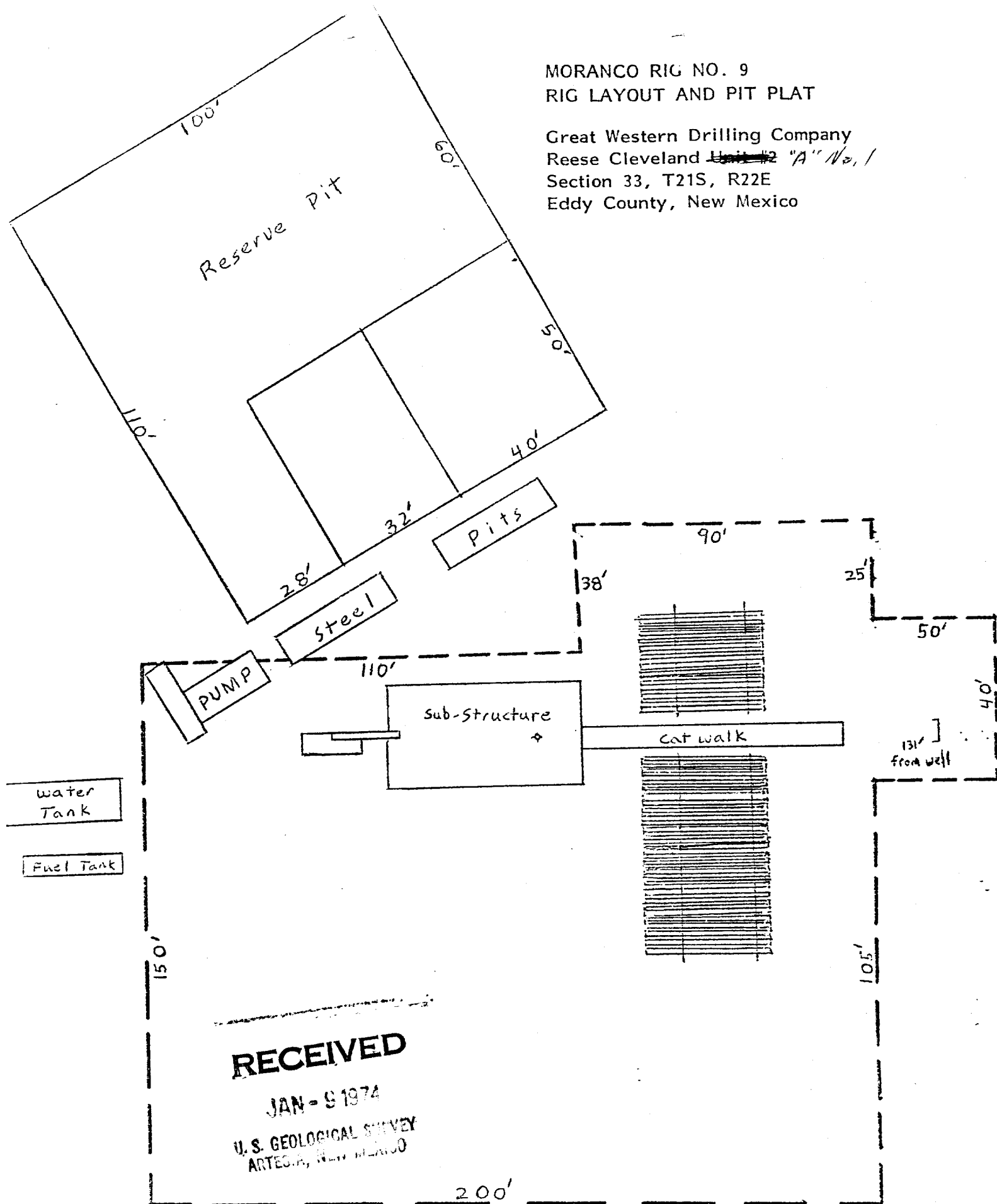
Registered Professional Engineer and Land Surveyor

[Signature]
 John W. West
 676



MORANCO RIG NO. 9
RIG LAYOUT AND PIT PLAT

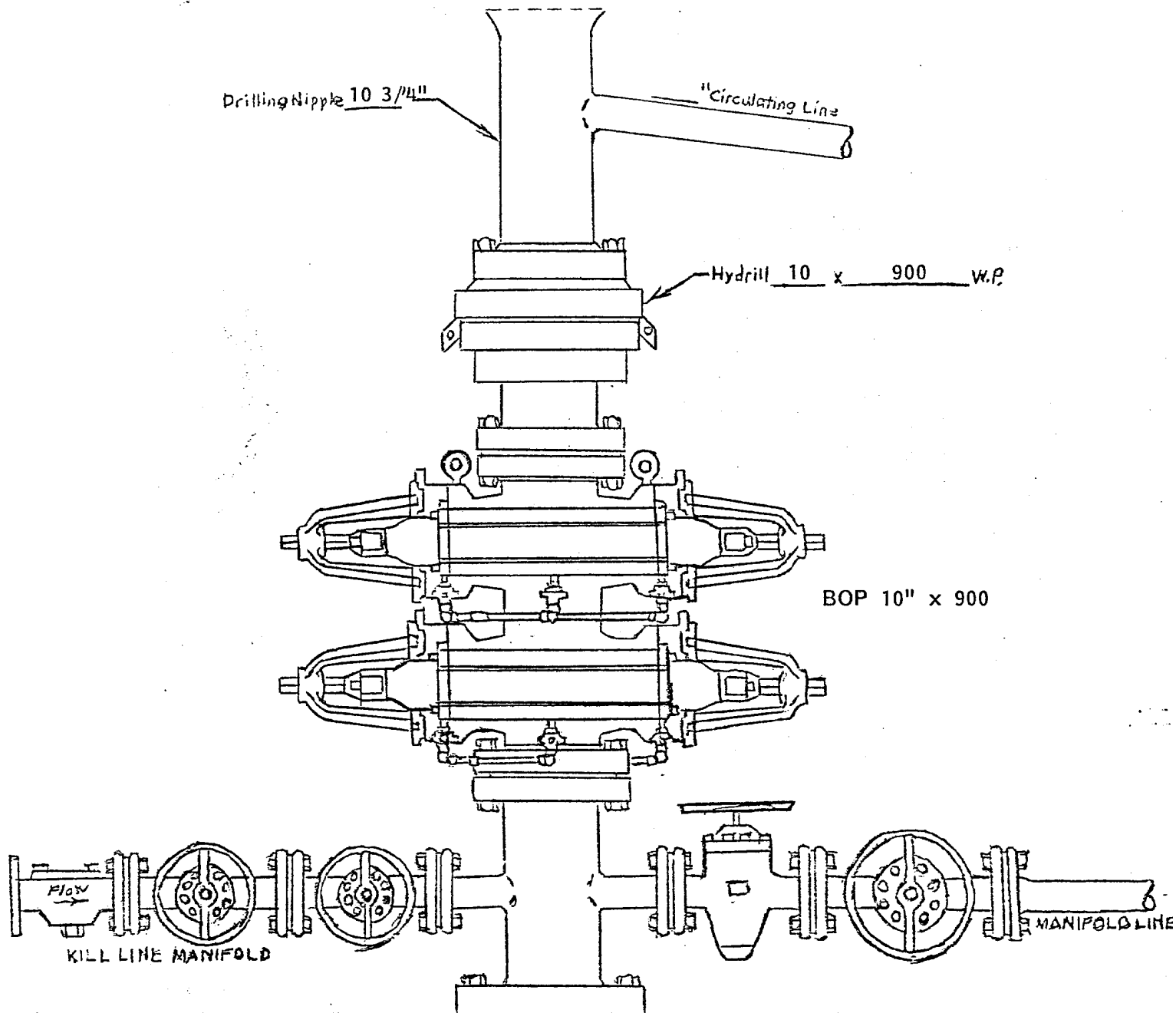
Great Western Drilling Company
Reese Cleveland Unit #2 "A" 11 2, 1
Section 33, T21S, R22E
Eddy County, New Mexico



Great Western Drilling Company

WELL NAME: Reese Cleveland ~~2~~ "A" No. 1

LOCATION: Section 33, T21S, R22E, Eddy County,
New Mexico



WELL HEAD B.O.P.
3000 W.P.

☐ Manual
☒ Hydraulic

MORANCO RIG NO. 9

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO