

C/Sr

IN REPLY REFER TO



United States Department of the Interior

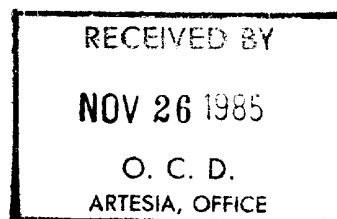
BUREAU OF LAND MANAGEMENT

Box 1397, Roswell, New Mexico - 88201

NM-26385PD
3160 (065)

NOV 22 1985

Harvey E. Yates Company
P. O. Box 1933
Roswell, New Mexico 88201



Dear Sir:

Your application for Permit to Drill Loco Sand Hills Federal No. 1 in the SE $\frac{1}{4}$ SE $\frac{1}{4}$, sec. 9, T. 18 S., R. 30 E., Eddy County, New Mexico, lease NM-26385, to a depth of 9250 feet to test the Wolfcamp formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the Bureau of Land Management office checked on the attached special stipulation, in sufficient time for a representative to witness all cementing operations.

Sincerely,

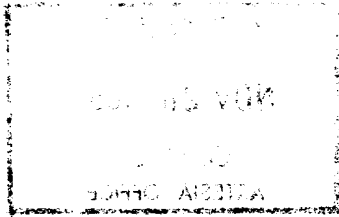
(ORIG. SGD.) JOE G. LARA

Francis R. Cherry, Jr.
District Manager

cc:
✓NMOCD (2)
CRA (2)
Mining
Roswell District Files
NMSO Micrographics (943B-1)

For 1981, forward New Orleans - 88347

NOV 18 1981



FOR 1981, FOR 1981

RECEIVED BY

NM OIL CONS. COMMISSION LOCATE*
Drawer DD
Sesia, NM 88210
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

NOV 20 1985
UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
ARTESIAN ☐ DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐
SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Harvey E. Yates Company ✓

3. ADDRESS OF OPERATOR

P. O. Box 1933, Roswell, New Mexico 88201

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

660' FSL & 660' FEL
At proposed prod. zone

Same

Ut. P

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

4 1/2 miles south of Loco Hills, New Mexico

10. 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

440

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.

19. PROPOSED DEPTH

9250'

20. ROTARY OR CABLE TOOLS

Rotary

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

3496' GL

22. APPROX. DATE WORK WILL START*

Nov. 30, 1985

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	54#	300	Circ.
11	8 5/8	24-32#	1500'	Circ.
7 7/8	5 1/2	17-15.5#	9250'	Sufficient to cover 600' above pay zone.

Mud Program

0-300' Spud mud
300-1500' Brine water
1500-9250' Fresh water

Posted 12/3/85
API, IDI, NL

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 N.M. Young N.M. Young TITLE Drilling Superintendent DATE 11/7/85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*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.

**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

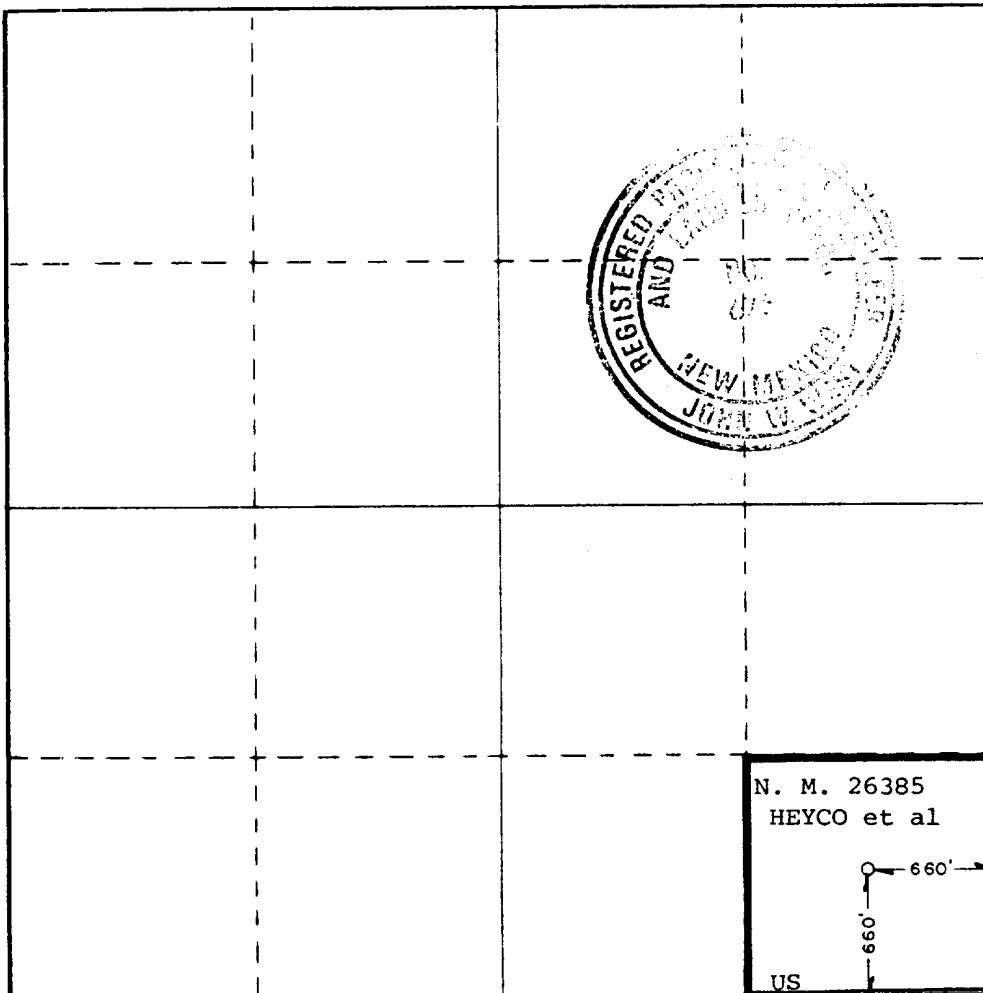
Operator HARVEY E. YATES COMPANY			Lease LOGO SAND HILLS FED.		Well No. 1
Oil Letter P	Section 9	Township 18 SOUTH	Range 30 EAST	County EDDY	
Actual Surface Location of Well: 660 feet from the SOUTH line and 660 feet from the EAST line					
Ground Level Elev. 5496.0'	Producing Formation Wofcamp		Pool Wildcat		Dedicated Acreage: 40 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.

N. M. Young

Name

N. M. Young

Position

Drilling Superintendent

Company

Harvey E. Yates Company

Date

November 6, 1985

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

OCTOBER 31, 1985

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No **JOHN W. WEST,**

676

RONALD J. EIDSON,

3239

APPLICATION

HARVEY E. YATES COMPANY
Loco Sand Hills 9 Federal #1
Sec. 9, T-18S R-30E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the subject well in Section 9, Township 18 South, Range 30 East, Eddy County, New Mexico, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with Bureau of Land Management requirements:

1. The geologic surface formation is quaternary alluvium and bolson deposits and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Rustler	300'	Grayburg	2775'
Top of Salt	500'	San Andres	3250'
Base of Salt	1260'	Delaware	3500'
Yates	1415'	Bone Spring	3800'
Seven Rivers	1785'	Wolfcamp	9050'
Queen	2410'		
3. We do not anticipate finding water but have listed the formation in which we anticipate finding oil or gas.

Wolfcamp 9050'.
4. Proposed casing program: See Form 3160-3.
5. Pressure control equipment: See Exhibit C.
6. Mud Program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer.
8. Testing, logging and coring programs: We are not planning to do any coring, but may have DST's in the Bone Springs & Wolfcamp. Planned logs are DLL-Micro w/GR & Caliper, CN-Den w/GR & Caliper.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.

SURFACE USE PLAN

HARVEY E. YATES COMPANY
Loco Sand Hills 9 Federal #1
Sec. 9, T-18S, R-30E
Eddy County, New Mexico

1. EXISTING ROADS:

- A. Exhibit A is a portion of the New Mexico map showing the location of the existing well. The location is approximately 4.5 miles south of Loco Hills, New Mexico. Go south from Loco Hills on County Road 217 for 3 miles to County Road 216. Turn left (or S.E.) on 216. Go .3 miles & turn left (or east) on main caliche road. Go 2.7 miles east to caliche pit. Turn right (or south) Go 1.3 miles to Dry Hole Marker (Franklin Et Al - Aztec Fed. #1) The new road will go approximately 2200' to the southwest to location.
- B. Exhibit A also shows the existing roads in the area.

2. PLANNED ACCESS ROADS:

- A. We propose to build 2150' of new road to reach our proposed location. The running surface will be 14' & 6" compacted caliche.

3. LOCATION OF EXISTING WELLS:

- A. Exhibit B is a plat showing existing wells and their locations.

4. LOCATION OF TANK BATTERIES, ETC.:

- A. In the event we drill a producing well the production equipment will be located at the Loco Sand Hills 9 Federal #1 location.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water will be hauled from commercial sources.

6. SOURCE OF CONSTRUCTION MATERIAL:

- A. Caliche will be needed to construct the drilling pad. We plan to utilize caliche from the well site. If additional

material is needed, we will use material from caliche pit located in Sec. 3 T-18S R-30E.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Waste will be buried in reserve pits at a depth of 36'. The wellsite will be cleaned of all waste and this will be done within 30 days after completion of the well.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Exhibit D shows the relative location and dimensions of the well pad, reserve pits and major rig components.
- B. There will be no cut and fill work done in the area - it is relatively flat with sandy soil and sand dunes. Some of these dunes will have to be levelled.
- C. The pad and pit area have been staked.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After finishing drilling and/or other completion operations, all equipment and other materials not needed for further operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite as pleasant in appearance as possible.
- B. If the proposed well is non-productive, all restoration and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as quickly as possible. All pits will be filled and levelled within 90 days after abandonment.

11. OTHER INFORMATION:

- A. The surface is Federal.
- B. The topography consists of sandy soil with native grasses, catclaw, etc. No wildlife was observed, but the usual inhabitants of this region are jackrabbits, reptiles, coyotes, etc.

- C. There are no ponds, lakes, streams or rivers in this area.
- D. There are no occupied dwellings or windmills in the area of the wellsite.
- E. There is no evidence of any archaeological, historical or cultural sites in the area.

12. OPERATOR'S REPRESENTATIVES:

- A. The field representatives responsible for assuring compliance with the approved surface use and operations plan are:

Micky Young
Harvey E. Yates Company
P. O. Box 1933
Roswell, New Mexico 88201
Office: 505/623-6601
Mobil: 505/624-1818 #840

Curtis Tolle
Harvey E. Yates Company
P. O. Box 1933
Roswell, New Mexico 88201
Office: 505/623-6601
Mobil: 505/624-1818 #837

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Harvey E. Yates Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

N. M. Young

N. M. Young
Drilling Superintendent

11-11-85

Date

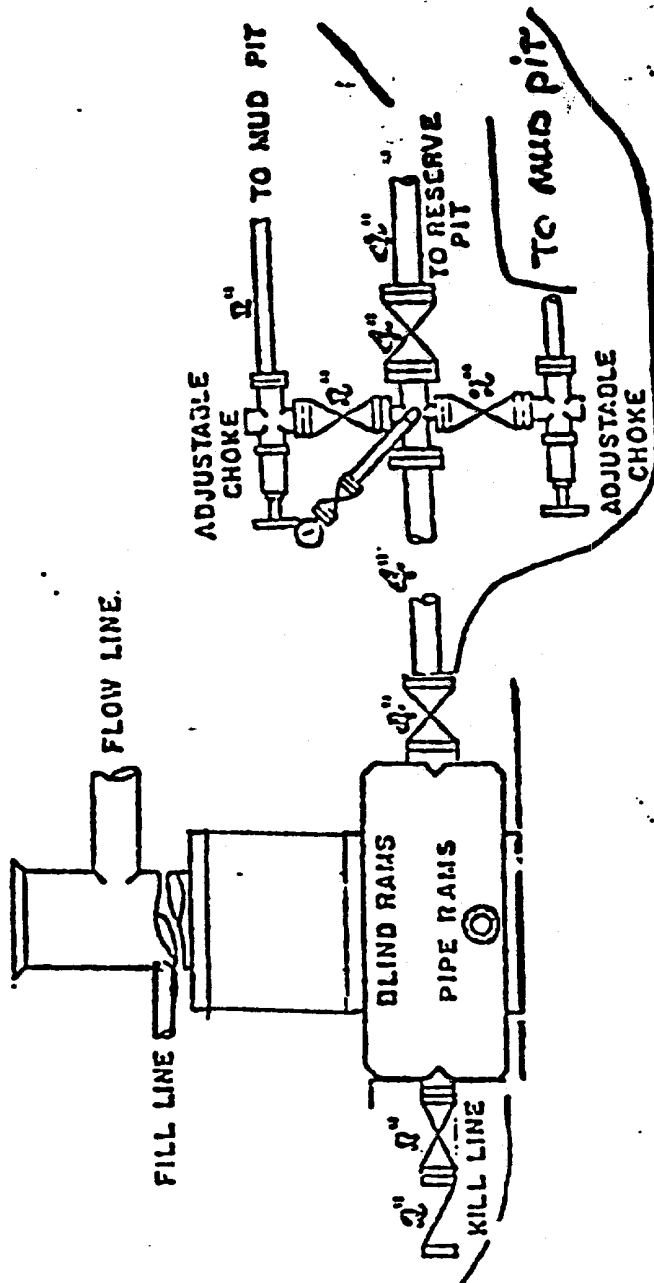
100-265

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 10-25-84 BY SP-5

So R
70-6-8
0-3

EXHIBIT C

Harvey E. Yates Company
Loco Sand Hills 9 Red #1
Eddy County, New Mexico



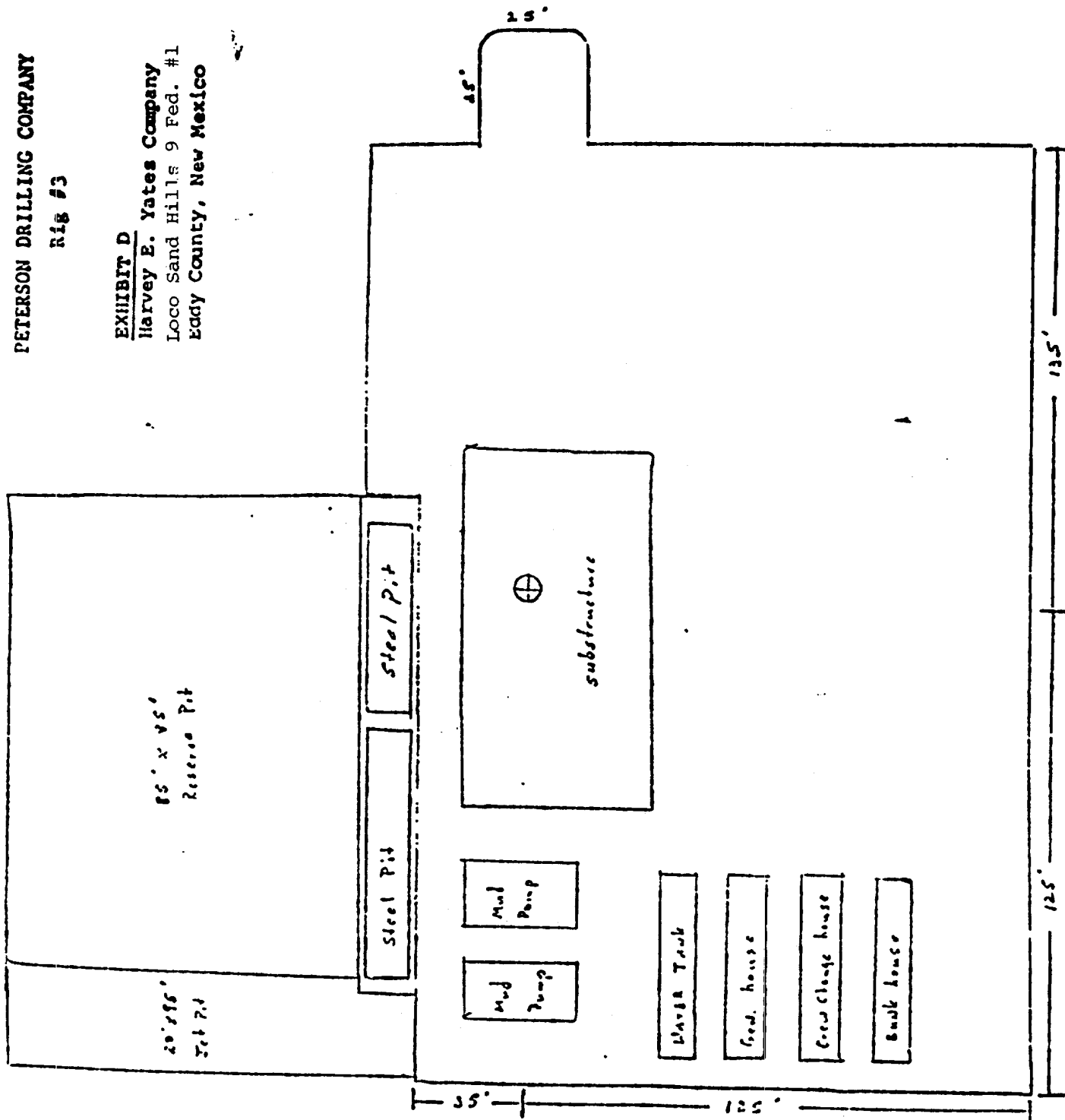
900 Series

PETERSON DRILLING COMPANY

Rig #3

EXHIBIT D

Harvey E. Yates Company
Loco Sand Hills 9 Fed. #1
Eddy County, New Mexico



Maljaren

Case 11-2016-10000
County Record

Country RD file

5.0 miles

$\frac{d}{dt} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{dr}{dt}$

GO TO STEEL TANK

Stick track

Two Supp.

Conducting

5/11/19
5/11/19
5/11/19

indicates

↑
Caféle (Café)

0.5.0

Sue's Tank

TV Super

Can't do this

GA₂
F-100

000000 Two

↑
Caféle (Café)

8/10 miles

GO TO SACK TRUCK

* Stay on main Thruway, Colliette Turn.

ACF
Mag

$$\begin{array}{r} 1.4 \\ 1.8 \\ 5.5 \\ \hline 7.7 \end{array}$$

New South Wales

Study Line

Road

Study Hole

Open Field