Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-025-25310

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
John L. Cox

3. ADDRESS OF OPERATOR
Box 2217, Midland, Tx 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
660' FS&WL
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
NM - 14793

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Enserch

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
~~Wildcat~~ UNDESIGNATED

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
1,15S,33E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
18 miles Northwest Lovington, 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
240

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

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

19. PROPOSED DEPTH
12,000

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4160' gr.

22. APPROX. DATE WORK WILL START*
March 25, 1977

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13 3/8"	33#	390	400 sx. circulated
11"	8 5/8"	24#, 32#	4500	1025 sx. DV tool @ 1600'
7 7/8"	4½"	13.5,11.6,N-80	12,000	1475 sx.(top cement approx. 9000')

13 3/8" casing to be cemented with 400 sx. Class H with 2% Calcium Chloride. This is ample cement to circulate to surface.

8 5/8" casing to be cemented with 425 sx. Class C, 2% D79, 200 sx. Class C, 2% D20 & S-1, 200 sx. Class C, 2% D79, 200 sx. Class C, 2% D20 & S-1.

4½" casing to be cemented with 975 sx. DLW with 7# salt/sack, ¼# D29/sack, and 500 sx. Class C, 50-50 pozmix, 2% D20.

MUD PROGRAM:

Water, gel, lime	0 -	390'
Native mud (salt gel & starch if needed)	390' -	4500'
Fresh water	4500' -	10000'
Mud, fresh water gel, low solids mud	10000' -	12000'

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 Martha Kittenbrink TITLE Production Clerk DATE 3-1-77

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

7-6-77

*See Instructions On Reverse Side

APPROVED
AS AMENDED
APR 6 1977
BERNARD MOROZ
ACTING DISTRICT ENGINEER

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	Lease	Well No.
JOHN L. COX	ENSERCH	1

Unit Letter	Section	Township	Range	County
M	1	15-S	33-E	LEA

Actual Footage Location of Well:
660 feet from the SOUTH line and 660 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4160	LOWER PENN	~~WILDCAT~~ UNDESIGNATED	80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

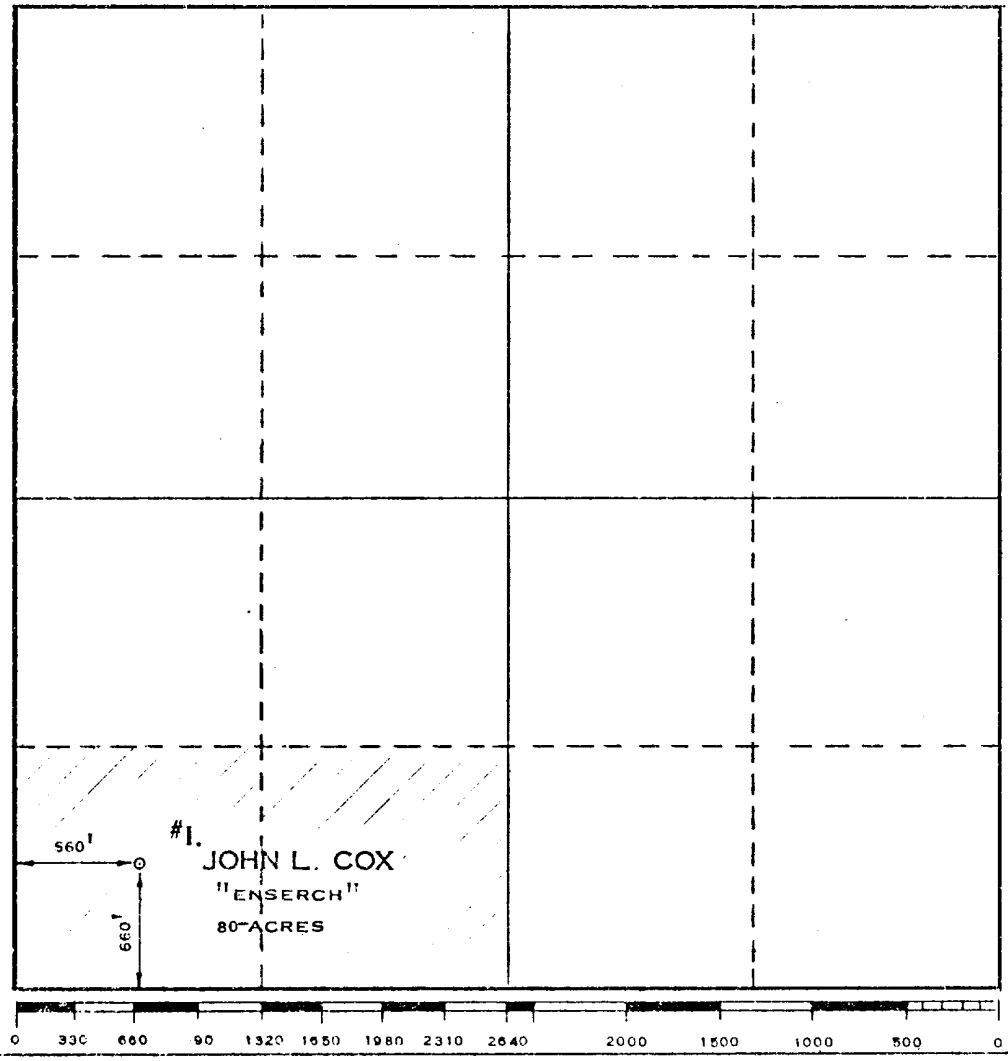
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

Name
Owner - JOHN L. COX

Position
JOHN L. COX

Company
February 15, 1977

Date

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
FEBRUARY 14 1977

Registered Professional Engineer and/or Land Surveyor
MAX A SCHUMANN JR

Certificate No.
1510

THE FOLLOWING GEOLOGICAL AND DRILLING INFORMATION IS FURNISHED:

1. The geological name for the surface formation is Ogallala surface gravels.

2. Estimated tops of important geological markers:

Rustler	1690
Yates	2800
San Andres	4350
Glorietta	5930
Tubb	7270
Abo	8050
Wolfcamp	9810
Pennsylvania	11,170
Strawn	11,800

3. The estimated depths at which anticipated water, oil, gas, or other mineral-bearing formations are:

San Andres	4350
Glorietta	5930
Tubb	7270
Abo	8050
Wolfcamp	9810
Pennsylvania	11,170

4. Proposed casing program is shown on Intent to Drill. All casing 13 3/8" 33#, 8 5/8" 24# and 32#, 4½" 13.5#, 11.6#, and N-80 will be new casing.

5. Blowout Preventor is shown in Exhibit "E".

6. Our proposed mud program for drilling is shown on the Intent to Drill.

7. Auxiliary equipment to be used: floats at the bit and a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string.

8. Testing, logging and coring program:

   Normal established field testing and logging procedures will be followed. After setting surface casing to protect shallow fresh water zones, the hole will be drilled to total depth and the operator will run a drill stem test in zones of interest if appropriate

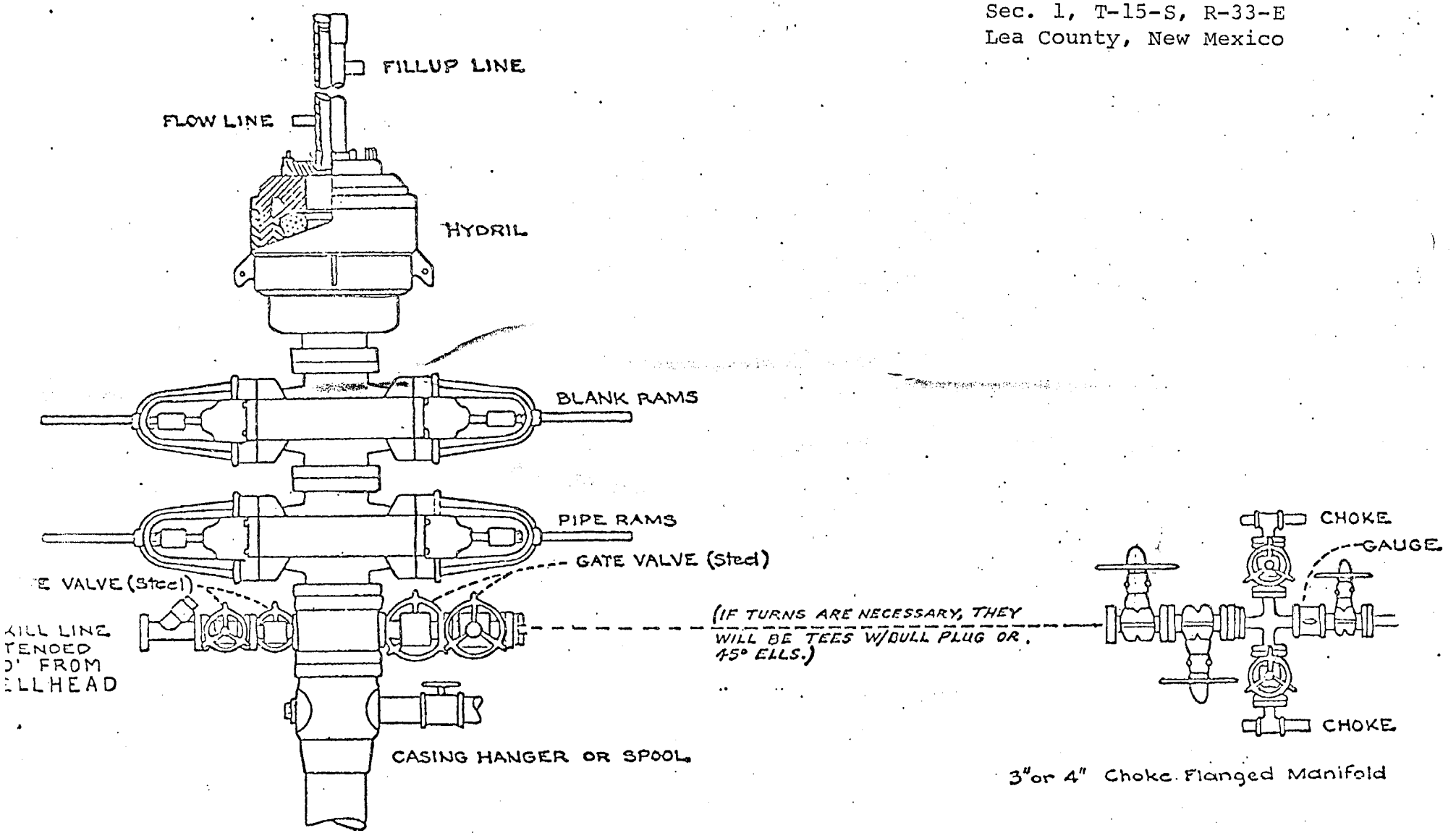
shows of hydrocarbon are found. At normal total depth of 12,000 feet a normal suite of resistivity and porosity logs will be completed. A production string of casing will then be considered. No coring is anticipated.

9. No abnormal pressures or temperatures are expected to be encountered or potential hazards such as hydrogen sulfide gas.

10. Approximate date drilling will begin: March 25, 1977.

BLOWOUT PREVENTER

JOHN L. COX-ENSERCH #1
Sec. 1, T-15-S, R-33-E
Lea County, New Mexico



3" or 4" Choke Flanged Manifold

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

JOHN L. COX
ENSERCH WELL NO. 1
660' FSL and 660' FWL Sec. 1, T-15-S,R-33-E
Lea County,New Mexico
Lease No. NM - 14793

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

A. Exhibit "A" is a portion of an area map showing the location of the proposed well as staked. Location is west of Lovington, New Mexico to State Highway 457 (blacktop road), turn north on State Highway 457 approximately 5 miles north turning east on caliche oil field road running between Secs. 3 and 34 and 2 and 35 for approximately 1½ miles, through cattleguard, 660' to south turn off to location. Location is 3/4 mile south.

B. Exhibit "B" is a plat showing all existing roads within a one-mile radius of the wellsite, and the planned access road.

C. A portion of the existing lease road, beginning at the north line of Sec. 1 and extending 660' south, will be repaired as needed, consisting of a 6 inch deep caliche surface and being watered and compacted.

2. PLANNED ACCESS ROADS:

A. Length and Width: New road will be 12 feet wide and 3960 feet long. This new road is labeled and colored in red on Exhibit "B".

B. Surfacing Material: Six inches of caliche, water, compacted, and graded.

C. Maximum Grade: Flat

D. Turnouts: None required.

E. Drainage Design: None required.

F. Culverts: None required

G. Cuts and Fills: None required

H. Gates, Cattleguards: No gates or cattleguards are required.

3. LOCATION OF EXISTING WELLS:

A. Existing wells within a one to two mile radius are shown on Exhibit "B". These are identified as property of Charles Gillespie and located approximately 1½ miles northwest of our wellsite.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Location of the proposed tank battery and flow line are shown on Exhibit "C". Approximately 100 feet of flow line will not be buried. Tank battery & flow line will be located on well pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water for drilling will be purchased from Mr. John Etchevarry and transported by pipeline to the wellsite. The pipeline will be layed along the road as shown on Exhibit "C", together with the water well location. The water line will not cause additional surface disturbance and will be removed after drilling is completed.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for surfacing the road and well pad will be obtained from an existing pit in the SW/4NW/4 Sec. 1, T-15-S,R-33-E. The pit is on land owned by Mr. John Etchevarry. Location of the pit is shown on Exhibit "B".

7. METHODS OF HANDLING WASTE DISPOSAL:

A. Drill cuttings will be disposed of in the drilling pits.

B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.

C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.

D. Current laws and regulations pertaining to the disposal of human waste will be complied with.

E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt.

All waste material will be contained to prevent scattering by the wind.

F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A. None required.

9. WELLSITE LAYOUT:

Exhibit "D" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit, and location of major rig components.

Only minor leveling of the wellsite will be required. No significant cuts and fills will be necessary.

The reserve pit will be plastic lined.

The pad and pit area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until they are filled.

C. After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, well pad, and all unneeded access road will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. OTHER INFORMATION:

A. Topography: Land surface is sandy and relatively flat. The ground level elevation at the wellsite is 4160 feet.

B. Soil: Soil is sandy and mainly caliche.

C. Flora and Fauna: The vegetative cover is native range grass. Wildlife in the area is typical of the area, being coyotes, rodents, and reptiles.

D. Rivers and Streams: There are 1 rivers, streams, lakes or ponds in the area.

E. Residences and Other Structures: The nearest occupied dwelling is a ranch house 1½ miles south of the wellsite. The nearest water well is 3/4 mile north of the wellsite. The nearest windmill is 1½ miles east of the wellsite.

F. ARCHEOLOGICAL, HISTORICAL AND CULTURAL SITES: None observed in the area.

G. Land Use: Grazing

H. Surface Ownership: Mr. John Etchevarry is the owner of the surface needed for road use and of the wellsite.

12. OPERATOR'S REPRESENTATIVE:

The field representative responsible for assuring compliance with the approved surface use and operations plan is:

Mr. Hulen Lemon
408 West Wall
Midland, Texas 79702
Office Phone: 1 915 682-9435
Mobil Phone: 1 915 683-4002
Home Phone: 1 915 682-1596

13. CERTIFICATION:

I hereby certify that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by John L. Cox and his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

March 3, 1977
Date

Hulen Lemon
Hulen Lemon, Prodn. Supt.

JOHN L. COX

P. O. BOX 2217
408 WEST WALL
PHONE 682-9435
MIDLAND, TEXAS 79701

March 1, 1977

TO WHOM IT MAY CONCERN:

I have an agreement with Mr. John Etchevarry, surface owner, covering payment of any damages to the surface land resulting from the drilling, producing, or plugging and abandoning operations covering the John L. Cox-Enserch Well No. 1, location is 660' FS&WL, Section 1, T-15-S, R-33-E, Lea County, New Mexico. Location will be leveled and returned to original contour of the land. When well is plugged , road and pad will left in place.

JOHN L. COX

By: Marta Richards
Production Clerk

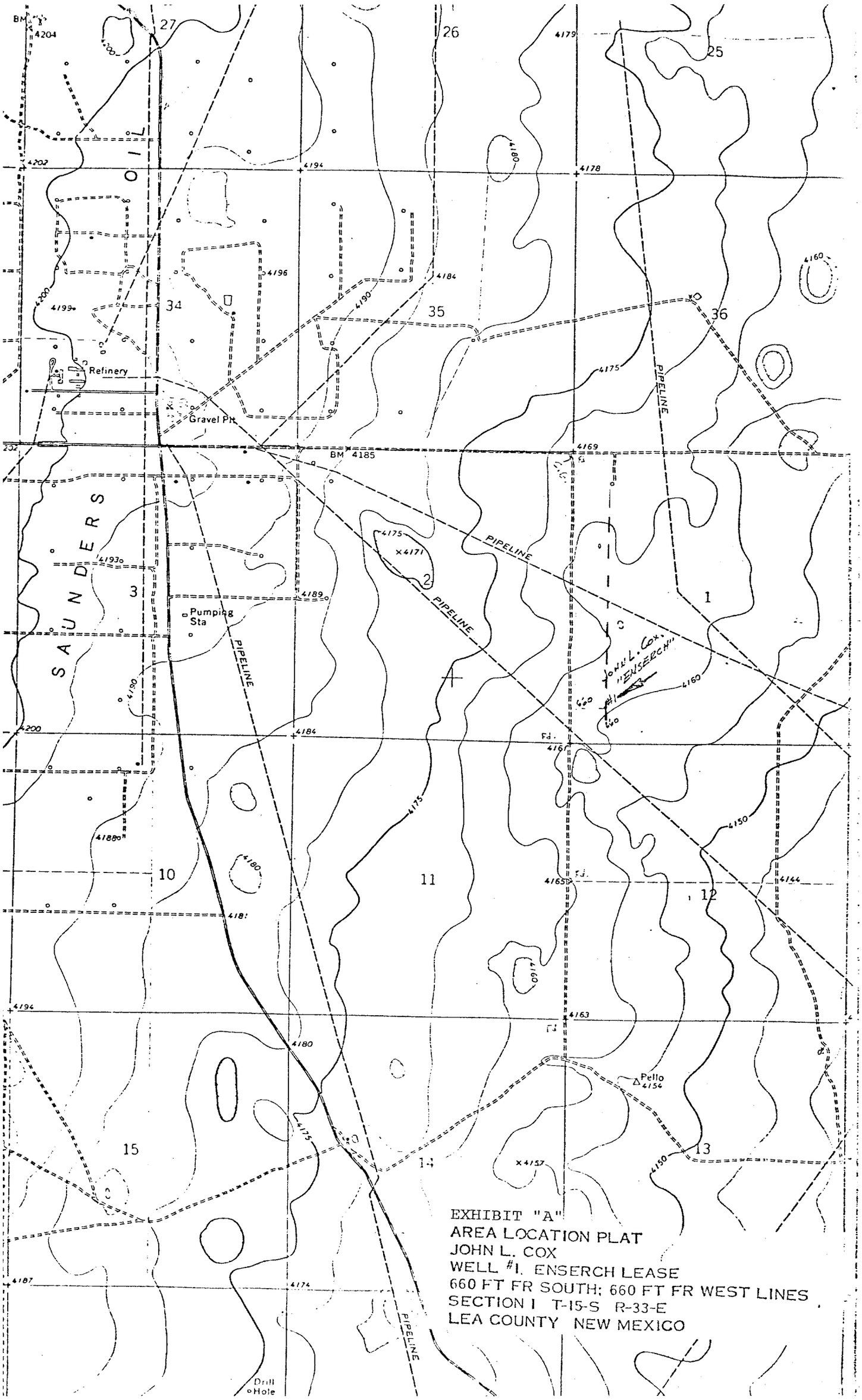


EXHIBIT "A"
AREA LOCATION PLAT
JOHN L. COX
WELL #1, ENSERCH LEASE
660 FT FR SOUTH; 660 FT FR WEST LINES
SECTION 1 T-15-S R-33-E
LEA COUNTY NEW MEXICO

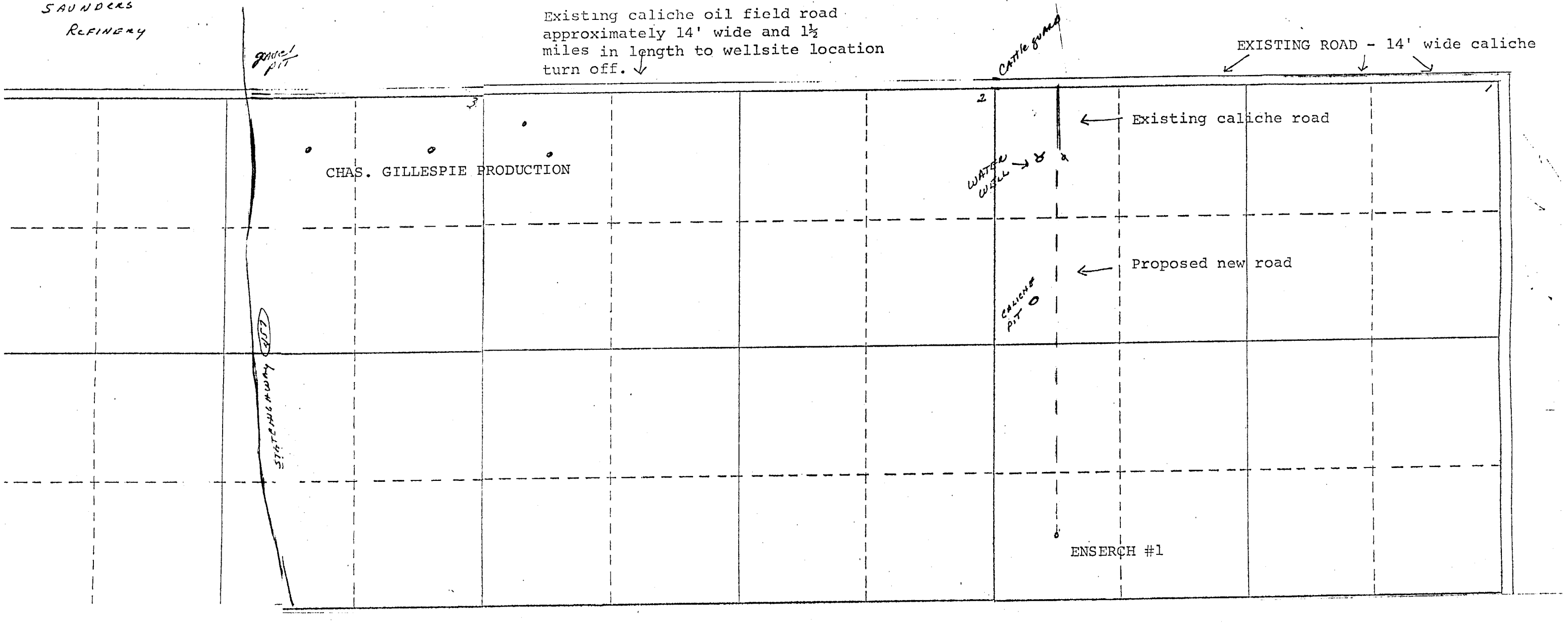


EXHIBIT "B"
JOHN L. COX - ENSERCH #1
Sec. 1, T-15-S, R-33-E
Lea County, New Mexico

RECEIVED
APR 12 1977
OIL CONSERVATION COMM.
HOBBS, N. M.

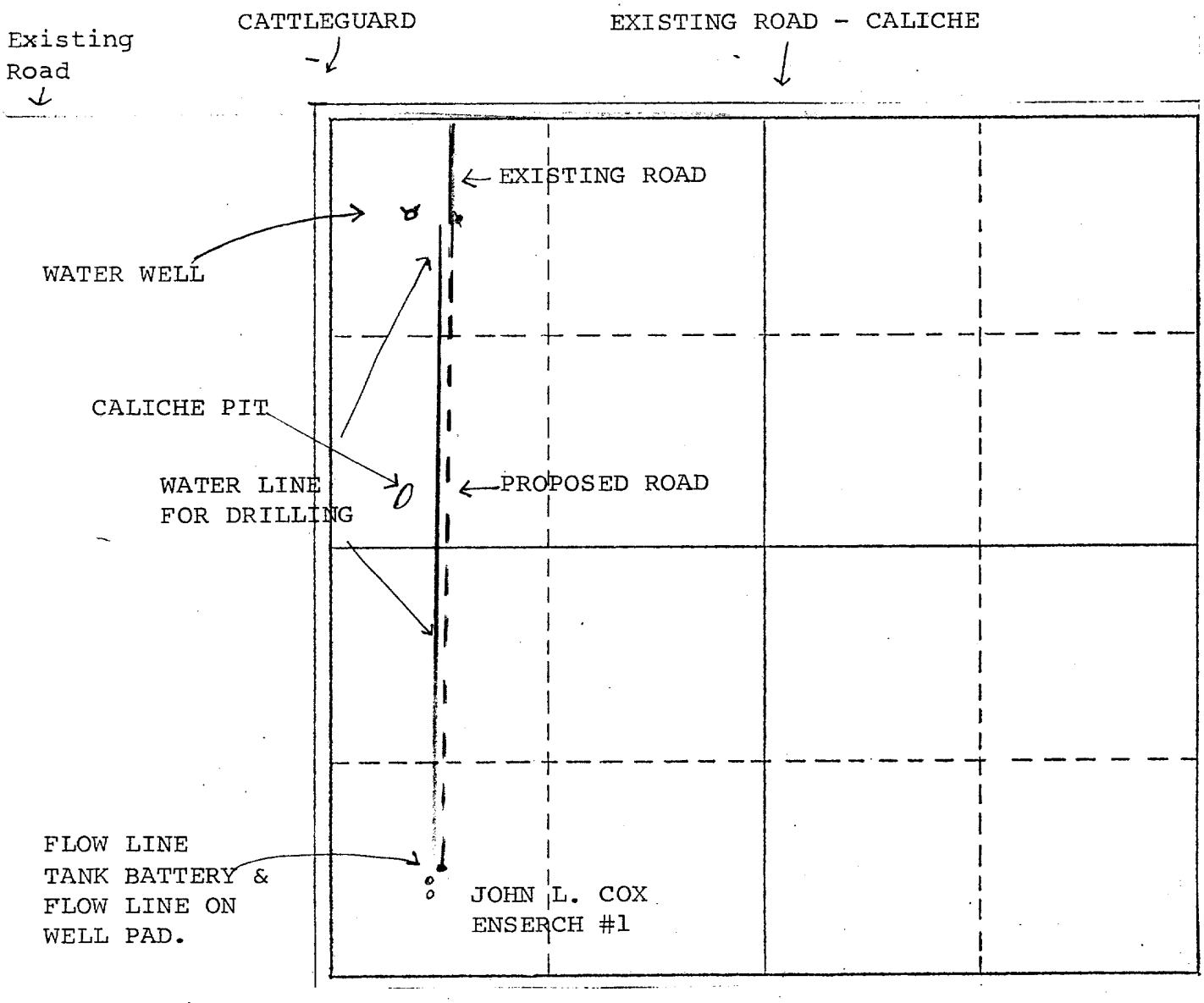


EXHIBIT "C"
JOHN L. COX - ENSERCH #1
Sec. 1, T-15-S, R-33-E
Lea County, New Mexico

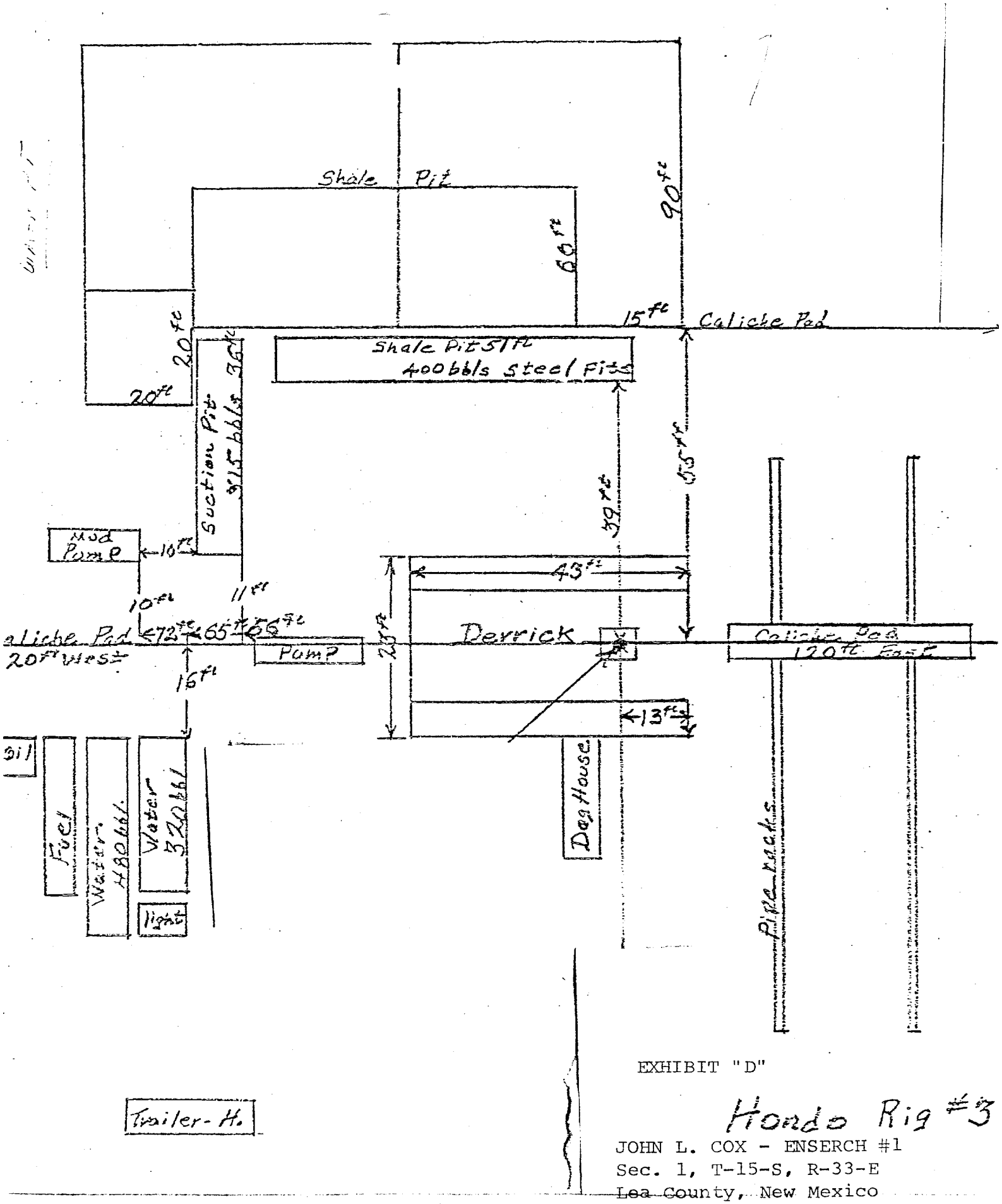


EXHIBIT "D"

Hondo Rig #3

JOHN L. COX - ENSERCH #1
Sec. 1, T-15-S, R-33-E
Lea County, New Mexico

U. S. Geological Survey

HOBBS DISTRICT

John L. Cox
No. 1 Enserch
SW¼SW¼ sec. 1-15S-33E
Lea County, N. M.

Above Data Required on Well Sign

CONDITIONS OF APPROVAL

1. Drilling operations authorized are subject to compliance with the attached General Requirements for Drilling Operations on Federal Oil and Gas Leases, dated January 1, 1977.

2. Notify this office (telephone (505) 393-3612) when the well is to be spudded and in sufficient time for a representative to witness all cementing operations. Attached are names and telephone numbers of Geological Survey and Bureau of Land Management personnel who are available for consultation during construction, drilling, completion, and rehabilitation activities.

3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.

4. Secure prior approval of the District Engineer for variance from the approved drilling program and before commencing plugging operations, plug-back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely.

5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.

6. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.