

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

Continental Oil Company

3. ADDRESS OF OPERATOR

Box 460 Hobbs, N.M. 88240

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

At surface
660' FSL & 660' FWL OF SEC. 26
At proposed prod. zone
SAME

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

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

1920

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

6850'

20. ROTARY OR CABLE TOOLS

Rotary

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

3551 GR

22. APPROX. DATE WORK WILL START*

2-4-77

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	New 9 5/8"	32.30 #	1600'	650 SX Circ.
8 3/4"	New 7"	23 # @ 26 #	6850'	1100 SX

IT IS Proposed to Drill a straight hole to a TD of 6850' and complete as a Dual oil well in the Blinbry & Tubb zones.

See Attached For B.O.P. Program, Mud Program, Formation TOPS, Logging ETC.

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

Wm. R. [Signature]

TITLE

Admin. Supv.

DATE

12-15-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

4-28-77

*See Instructions On Reverse Side

USGS (6), NMFU Partners (4), File.

APPROVED AS AMENDED

JAN 28 1977

Bernard Moroz
BERNARD MOROZ
ACTING DISTRICT ENGINEER

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OIL CONSERVA. & COMM.
EDDYS, H. M.

Attachment to Form 9-331 C
Application for Permit to Drill

Continental Oil Company, Warren Unit No. 44
660' FSL and 660' FWL of Section 26, T-20S, R-38E,
Lea County, New Mexico

1. The geologic name of the surface formation is Tertiary Sand.
2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are as follows:
 - Santa Rosa SS 350' water
 - Salado 1660' salt
 - Blinebry 6020' oil
 - Tubb 6500' oil
4. The proposed casing program is as follows:
 - Surface - new 9 5/8" 32.30# K-55 STC set at 1600'
 - Production - new 7" 23# and 26# K-55 STC set at 6850'
5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
6. The proposed mud program is as follows:

0-1600' spud mud	8.5-9.0 pounds per gallon
1600'-6850' salt gel	9.0-10.0 pounds per gallon
7. The auxiliary equipment to be used is:
 - (1) kelly cocks
 - (2) floats at the bit
8. It is proposed to run GR-CNL-FDC-DLL logs from TD to 2600'.
9. No abnormal pressures or temperatures are expected to be encountered in this well.
10. The anticipated starting date for this well is February 1, 1977, with a duration date of approximately 21 days.

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OIL CONSERVATION BOARD
MEMPHIS, TENN.

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

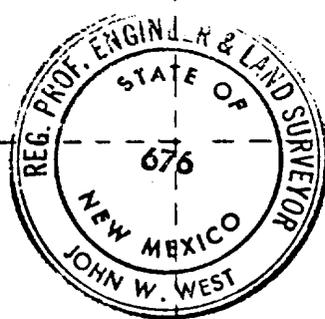
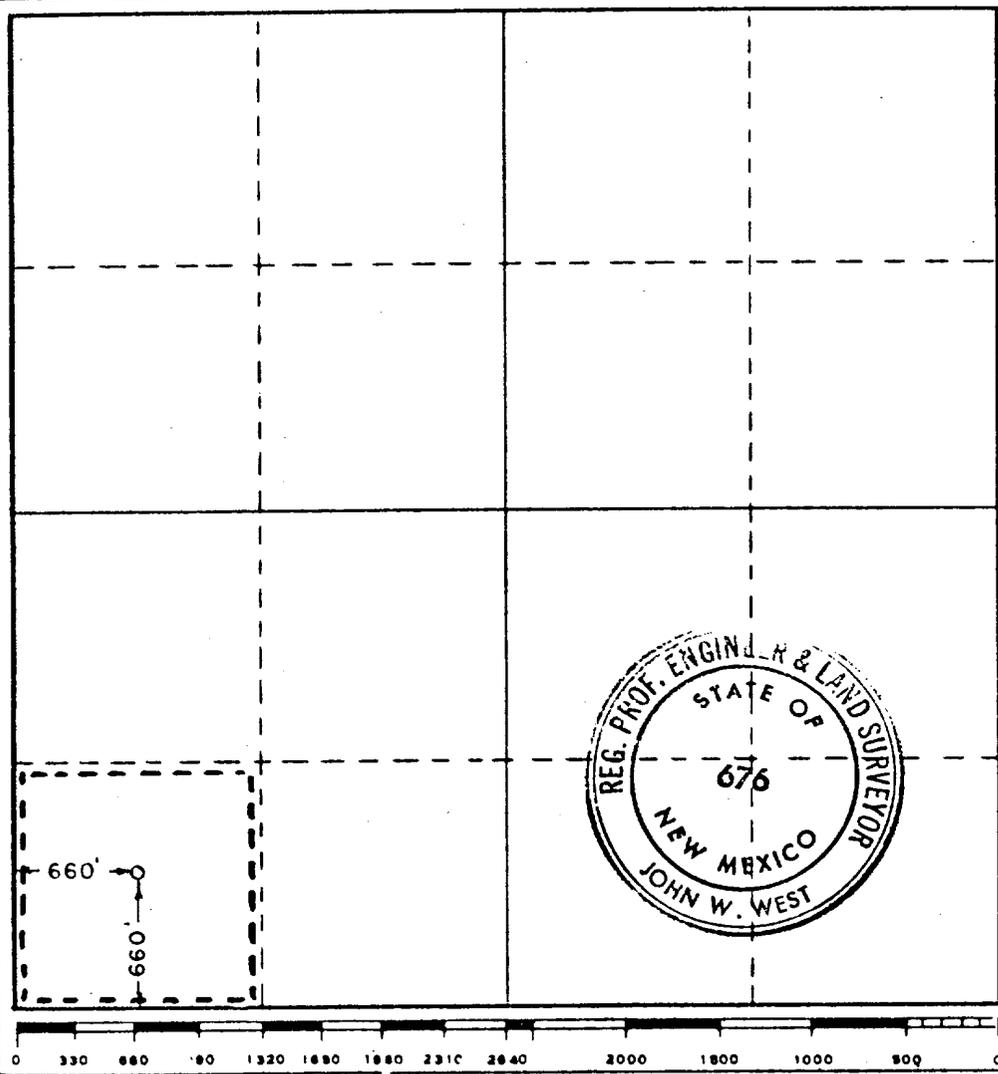
Operator CONTINENTAL OIL COMPANY			Lease Warren Unit		Well No. 544
Unit Letter M	Section 26	Township 20 South	Range 38 East	County Lea	
Actual Footage Location of Well: 660 feet from the south line and 660 feet from the west line					
Ground Level Elev. 3551.1	Producing Formation BLINERY & TUBB		Pool WARREN	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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
Wm. A. Duvall, Jr.
Position
Admin. Supv.
Company
CONTINENTAL OIL CO
Date
12-15-76

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
Dec. 5, 1976

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **676**

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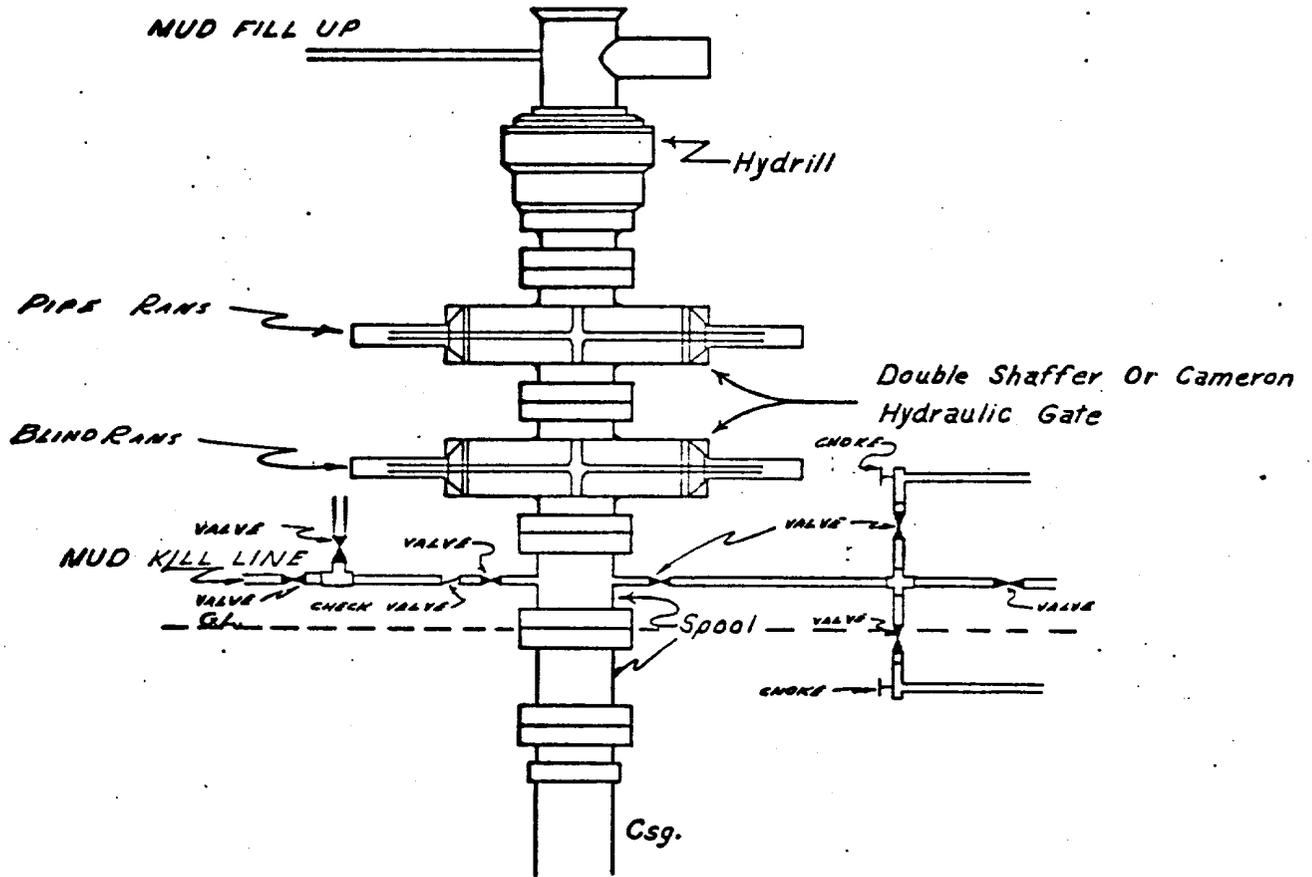
OFFICE OF THE
SHERIFF

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CONTINENTAL OIL COMPANY
Blow-out Preventer Specifications



API Series 900

NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.
Remote controls on rig floor.

**DUE TO SUBSTRUCTURE CLEARANCE,
HYDRILL MAY OR MAY NOT BE USED.**

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OIL CONSERVATION COM. A.
HOBBBS, H. M.

AMENDED

SURFACE USE PLAN

Continental Oil Company, Warren Unit No. 44
660' FSL and 660' FWL of Section 26, T-20S, R-38E
Lease LC06345(b), Lea County, NM

The plan is to accompany "Application for Permit to Drill" the subject well which is located approximately ten miles south of Hobbs, New Mexico. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads

- A. The proposed well site is 660' FSL and 660' FWL of Section 26, T-20S, R-38E, Lea County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map showing existing block top roads. Directions to the location (outlined in red on map) from Hobbs, New Mexico are as follows: From the Stanolind Road on the south edge of Hobbs travel south 9.6 miles on Highway 18 and the new road stakes will be east from this point to 660'.
- C, D, E. The access roads are shown on Exhibits "B" and "C".
- F. No improvement or maintenance are anticipated for the existing roads.

2. Planned Access Roads

- A. Width and Length: New road required will be 12' wide and 660' long. This new road is labeled and color coded on Exhibits "B" and "C". (staked)
- B. Turnouts: None.
- C. Drainage Design: New road will have a drop of 6" from center line on each side.
- D. Culverts, Cuts and Fills: A 16" culvert will be installed under Highway 18 at the point of crossing with the proposed flowline. A maximum cut of 5' will be required for a distance of 50' west of stake.
- E. Surfacing Material: Six inches of caliche, bladed, watered and compacted.

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F. Gates, Cattleguards, Fences: None required.

G. The proposed road is staked.

3. Location of Existing Wells

See Exhibit "C"

4. Location of Existing and/or Proposed Facilities

A. Tank Batteries: The existing production header is located in the SW/4 of Section 27 and located on Exhibit "C".

B. Producing Facilities: No additional producing facilities are required.

C. Oil Gathering Lines: The flowline will lay (not buried) approximately 4500' west to the production header in SW/4 of Section 27 as shown on Exhibit "C".

D. Other Lines: No additional gas gathering, injection or disposal lines will be required.

E. Rehabilitation: Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

5. Water Supply

The supply of water will be hauled from Eunice, New Mexico.

6. Source of Construction Materials

A. Caliche for surfacing the new road and the well pad will be obtained from an existing pit in the SE/SE Section 15, T-20S, R-38E as shown on Exhibit "C".

B. Caliche to be purchased from Mr. Earl Kornegay.

C. The caliche to be hauled, from the location of caliche pit. travel 1 3/4 miles south of Highway 18 to the new road location.

7. Methods for Handling Waste Disposal

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within

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drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.

8. Ancillary Facilities

None

9. Well Site Layout

Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, reserve pit, trash barrel, etc. The reserve pit will be lined with plastic. The pad and pits are staked.

10. Plans for Restoration of Surface

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. Other Information

- A. Terrain: Low rolling sand hills. See Exhibit "B", topographic map of area.
- B. Soil: Sandy
- C. Vegetation: Shinnery, Sparse
- D. Surface Use: Grazing
- E. Ponds and Streams: None within one mile
- F. Water Wells: None within one mile
- G. Residences and Building: None within one mile
- H. Arroyos, Canyons, Etc.: There are no significant surface features, see attached Exhibit "B".
- I. Well Sign: Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open Pits: All pits containing mud or other liquids will be fenced.

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K. Archaeological Resources: None observed

12. Operator's Representative

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production and Drilling
W. D. Cates or D. A. Sowers
1001 North Turner
Hobbs, New Mexico 88240

Phone: 393-4141

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 presently exist; 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 Continental Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

1-10-77

Date

D. A. Sowers

D. A. Sowers

Production Superintendent

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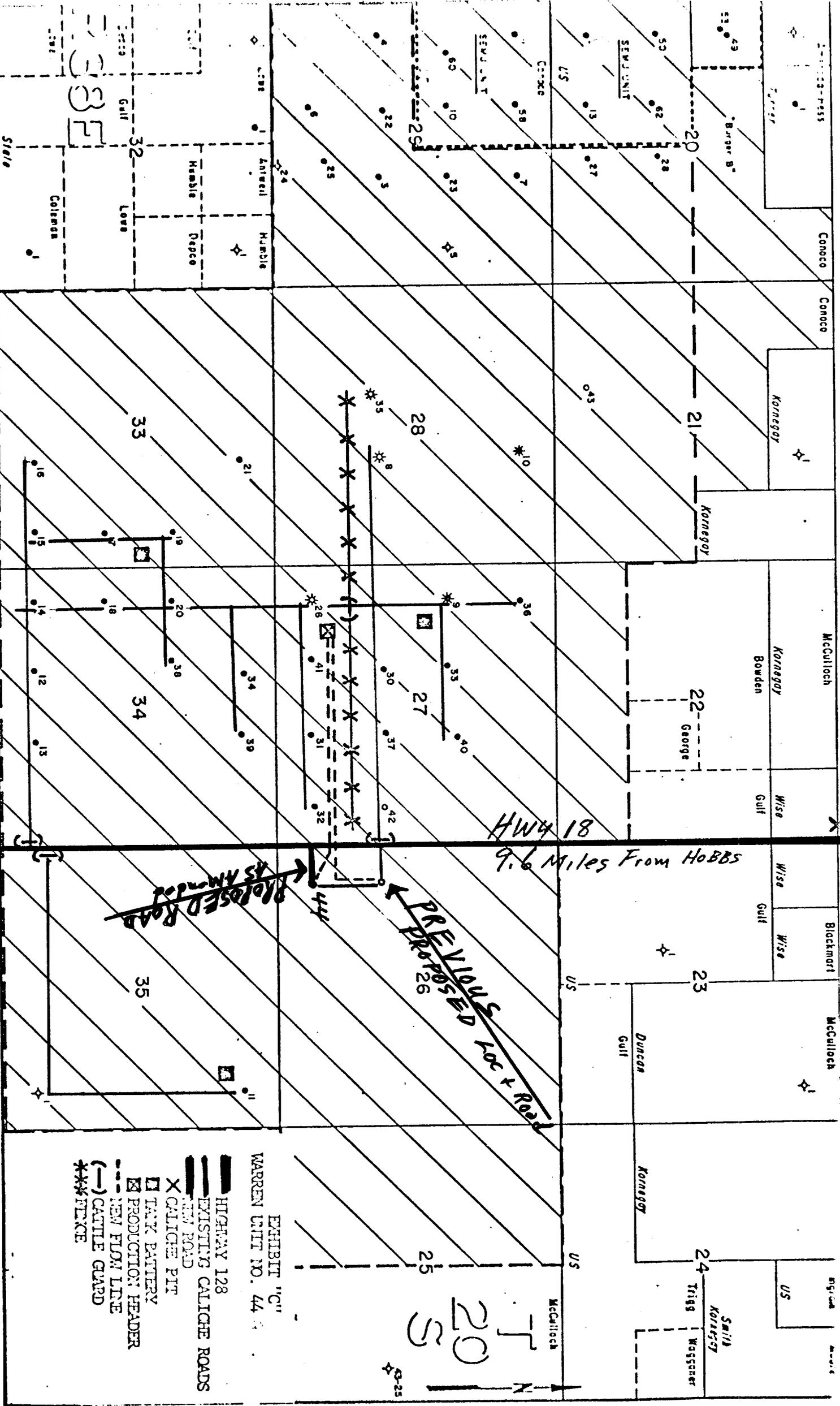
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- EXHIBIT "C"
WARREN UNIT NO. 44
- HIGHWAY 128
 - EXISTING CALICHE ROADS
 - NEW ROAD
 - X CALICHE PIT
 - TANK BATTERY
 - ▣ PRODUCTION HEADER
 - - - NEW FLOW LINE
 - (—) CATTLE GUARD
 - ** FENCE

HWY 18
9.6 Miles From Hobbs

~~PROPOSED~~
PROPOSED FOR ROAD

~~PROPOSED ROAD~~
AS SHOWN

20
N

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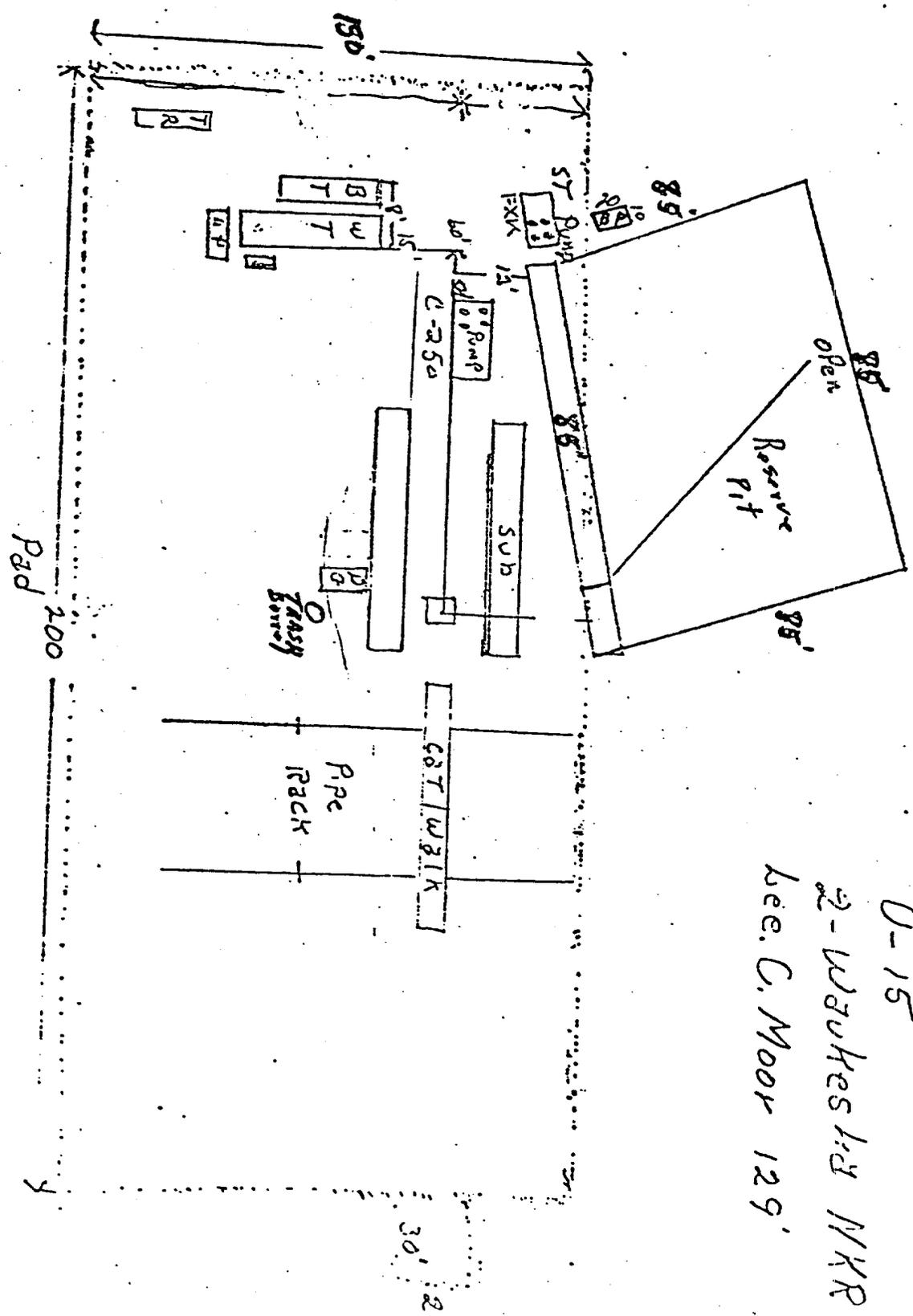
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Hondo Rig #1

U-15

2-Walkes L&S NKR

See C. Moor 129'



CONTINENTAL OIL CO.

WARREN UNIT NO. 44

EXHIBIT "D"

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