Form approved. Budget Bureau No. 42-R1425. Form 9-300 C SUBMIT IN TRIPLICATE" (May 1963) (Other Instruction on UN **ID STATES** everse side DEPARTMEIN OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL 031670 GEOLOGICAL SURVEY APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK IF INDIAN, ALLOTTEE OB TRIBE N. 1a. TYPE OF WORK DRILL X 7. UNIT AGREEMENT NAME DEEPEN PLUG BACK b. TYPE OF WELL ARR*en* OIL WELL MULTIPLE GAS WELL SINGLE ZONE OTHER 2. NAME OF OPERATOR REN UNIT TINENTA BLINGBRI TUBR E 660' FWL of SEC. 21 5L SURVEY OR AREA EC.ZI, TROS, R38E 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. COUNTY OR PARISH | 13. STATE EA N.M. 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, PT 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 920. (Also to nearest drlg, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION[®] TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 7030 くのナみRY 21. ELEVATIONS (Show whether DF. RT. GR. etc.) WORK WILL START* -// $\overline{23}$ PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 9 % ... New 1 32.30* 1500' 625 SX CIRC. 23 226# 70 11555X IS PROPOSED TO DRILL A STRAIGHT HOLE TT TD OF 7030' AND COMPLETE AS A DUAL WELL IN THE BLINEBRY & TUBB ZONES. MUD PROGRAM: 0-1500' FRESH WATER; 1500-7030' SALT GEL 9.0 -10.0 * SEE ATTACHED FOR B.O.P. PROGRAM. SEE ATTACHED PROPOSED WELL PLAN FOR 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. DMIN. SUPV. AINE BIGNER тітіє (This space for Federal or State office APPROVED Unless Brilling Guenaticas Here PERMIT NO. APPROVAL DATE as amended this drilling approval Commenced. MAR 20 1927 APPROVED BY ______ "APPROVAL TO FLARE GRANTED CONDITIONS OF APPROVAL, IF ANY : BERMARD MOROZ WHILE DRILLING AND TESTING." ACTING DISTRICT ENGINEER *See Instructions On Reverse Side USES (6), NMFU PARTNERS (4), FILE

CIL DURING IN M. M. M.

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

Continental Oil Company, Warren Unit No. 47 660' FSL and 660' FWL of Section 21, 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 300' water Salado 1540' salt Blinebry 5900' oil Tubb 6410' oil

4. The proposed casing program is as follows:

Surface - new 9 5/8" 32.30# K-55 STC set at 1500' Production - new 7" 23# and 26# K-55 STC set at 7030'

- 5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 FSI 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:

0-1500' spud mud	8.5-9.0 pounds per gallon
1500'-7030' 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 May 10, 1977, with a duration date of approximately 21 days.

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form (1997) Supervedes (1998) Etternise (1998)

CONTINENTAL OIL COMPANY			PANY		VARREN UN	11T	Well to 47
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COUNT I. ________

LOCATION: 660' FSL & 660'F L OF

Sec. 21, T20S, R38E

STATE: ____ Mexico

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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.

CONTINENTAL OIL CO. WARREN UNIT NO. 47

March 3, 1977

District Engineer U. S. Geological Survey

Gentlemen:

RE: Warren Unit NO. 47

This refers to the Form 9-331C, Application to Drill, Deepen or Plugback accompanying this letter. The undersigned hereby states that he has personally contacted **Fiv Korne 199**, the owner of the surface land where the proposed work is to be conducted and advised him of the proposed work, the construction site and pertinent roads included in the project. It is further stated that, upon being fully advised of the extent of the work and the effect upon the surface, said owner has consented to the said work and that agreement as to the compensation for damages to the surface estate has been reached.

It has been agreed, subject to change at that time, that upon abandonment of operations the roads shall be (ripped or left intact) and the pad shall be (ripped or left intact).

STATE OF NEW MEXICO COUNTY OF LEA

Subscribed and sworn to before me this 77 day of Month, 1977

Notary Public

My commission expires 2.20-81

SURFACE USE PLAN Continental Oil Company, Warren Unit No. 47 660' FSL and 660' FWL of Section 21, T-20S, R-38E, Lease LC031670(b), Lea County, NM

This 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 21, T-20S, R-38E, Lea County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map showing existing black 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 turn west at "Bicentennial Cattleguard". Go west 1.3 miles, go north .5 mile to Well No. 10, then west .25 mile and north .25 mile to Well No. 43. Proposed location is one location west of Well No. 43.
- 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 1320' long. This new road is labeled on Exhibit "B" and color coded on Exhibit "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: None. No cuts required, only the location must be leveled.
 - E. Surfacing Material: Six inches of caliche, bladed, watered and compacted.

- 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. Froducing Facilities: No additional producing facilities are required.
- C. Oil Gathering Lines: The flowline will lay (not buried) approximately 10,500' south and east following roads 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. <u>Water Supply</u>

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 Exhibits "B" and "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 on Highway 18, west 1.3 miles, north .5 mile, west .25 mile and north .25 mile to Well No. 43, then west .25 mile on new road to No. 47 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 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: Sparse, Shinnery
- 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.

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.

<u>3-7-77</u> Date

D. A. Sowers Production Superintendent

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REFERENCE 1977 - BR OIL CONSERVALLA CLAIM. HOBBS, N. M.



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