## SUBMIT IN TRIPLICS. .

(Other instruction reverse side)

Form approved. Eudget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR

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## NEW MEXICO OIL CONSERVATION COMMISSION WELL L ON AND ACREAGE DEDICATION PL

Form C-102 Supersedes C-128 Effective 1-1-65

		All distances must be from	the outer boundaries of	the Section	
CONTINENTAL OIL COMPANY		===	SEMU Penn		Well tur. 97
/n.t Letter	Section	Township	Pange	County	
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## PROPOSED WELL PLAN

SEMU Penn No. 97 Lea Co., N.M. Well Name County & State Location: 1780 FS & W, Sec. 23-20S-37E Elev: est DF 3532 CASING FRACTURE GRADIENT MUD TYPE OF FORMATION DRILLING New HOLE HT93( FORMATION TOPS & TYPE PROBLEMS SIZE SIZE DEPTH Y'EIGHT EVALUATION Quaternary (Surface) 52nta Rosa ss wir. Santa Rosa SS Wtr. 17 1/213 3/8 500 8.5 Fre 9.0 Wat Rustler 1255 - Anhy. Salado 1380 55/+ 2 Buse Salado 2500 \$2/+ Yates 2640 Sin No. 95 had strong water flow at 2855' 3 Queen 3425 Sayl Stone Good Sample -(Gus)Penrose 3550 Spri StoNe shows in San Grayburg 3720 Delo Andres-Suggest adequate log 4 San Andres 4010 00/0 (0,1,63) evaluation up 12 1/4 8 5/8 4000 9.5 Bri to this point . 0.0 & (4000)Sal Ge1 Glorieta 5210 50ml 56me Elinebry 578c Dolo GR, CNL, FDC, Tubb 6290 52 d Stone DLL/DIL TD-4000' Drinkard 6640 Dolo (6116.5) Abo 6935 Dolb \* Liner-3850 Fresh wat to 77501 Strawn 7670 Lyme Stone (011) less Non-Disp. TD 7750 than 7750 8.5 8.5

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

Continental Oil Company, SEMU Penn No. 97 1780' FSL and 1780' FWL of Section 23, T-20S, R-37E Lea County, New Mexico

- 1. The geologic name of the surface formation is Quaternary 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 500' water Salado 2500' salt Queen 3425' gas San Arches 4010' oil and gas Drinkard 6640' oil and gas Strawn 7670' oil

4. The proposed casing program is as follows:

Surface - New 13 3/8" 48# H-40 set at 500' Intermediate - New 8 5/8" 32# K55 STC set at 4000' Production - New  $5\frac{1}{2}$ " 17# K55 STC set at (Liner 3850' - 7750')

- 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:

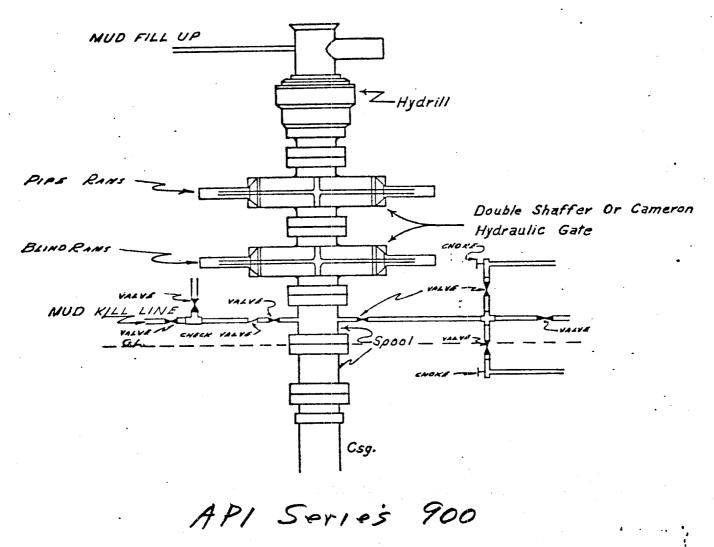
0-500' spud mud 8.5-9.0 pounds per gallon 500'-4000' salt gel 9.0-10.0 pounds per gallon 4000'-7750' fresh water 8.5-9.0 pounds per gallon

- 7. The auxiliary equipment to be used is:
  - (1) kelly cocks
  - (2) floats at the bit
- 8. It is proposed to run 2" and 5" GR, CNL, FDC, DLL/DIL Logs from TD to 4000.
- 9. No abnormal pressures or temperatures are expected to be encountered in this well.
- 10. The anticipated starting date for this well is December 6, 1976, with a duration date of approximately twenty five days.

THE VED

132370

ALLOS, N. M.



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.

SEMU Penn No. 97