

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

U. S. DEPARTMENT OF THE INTERIOR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO

10. FIELD AND POOL OR WILDCAT

11. SEC., T., R., M., OR F.R., AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS

22. APPROX. DATE WORK WILL START

QUANTITY OF CEMENT

Suff. to circulate to surface.
Suff. to circulate back up into surface casing.

1. The geologic name of this surface formation is the Ogallala Lime (Miocene).

2&3. Formation Tops (Estimated)

Salado	+ 1160	Salt
Yates	+ 2570	Possible oil or gas producer
7 Rivers	+ 2880	Possible oil or gas producer
Queen	+ 3385	Oil and gas
Penrose	+ 3490	Oil and gas

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

4. Run 8-5/8" OD, K-55 new casing to +500' and circulate cement to surface. Run 5 1/2" OD, 15.5#, K-55 new casing to T. D. and cement with a sufficient amount to circulate up into surface casing in two stages. Casinghead will be a 10" 900 series w/a 3000 psi rating.
5. Blowout preventors: Hydraulic, double ram, 10". One set of rams will be provided for each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2" with variable choke. BOP's will be installed, tested and in working order before drilling below surface casing and shall be maintained ready for use until drilling operations are completed. BOP's, drills, and tests will be recorded in the drillers logs.
6. We will use; spud mud = 0-+500'. (8.5 - 9.0 lb. per gallon) Bring gel = 500'-TD. (9.0 - 10.0 lb. per gallon)
7. Auxiliary Equipment
- Kelly cock will be in use at all times.
 - Stabbing valve to fit drill pipe will be present on floor at all times.
 - Mud monitoring will be visual, no abnormal pressures are anticipated in this area.
 - Floats at bits.
 - Drill string safety valve (s) to fit all pipe in the drill string will be maintained on the rig floor while drilling operations are in progress.
8. This well will be pump tested after recovery of any load oil or water. No cores will be taken. DLL-GR, CNL-FDC-GR caliper, and BHC Sonic logs will be taken. Any other evaluation that may be necessary during the drilling of this well will be conducted as needed.
9. No abnormal pressures or temperatures are anticipated. See point #5 for blowout prevention equipment.
10. The drilling of this well will take approximately eight days. The gas is not dedicated to any purchaser as of this date.
11. Your office (Telephone 505/393-3612) will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

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 prevention program, if any.

24.

SIGNED

TITLE Div. Production Manager

(For space for Federal or State office use)

PERMIT NO.

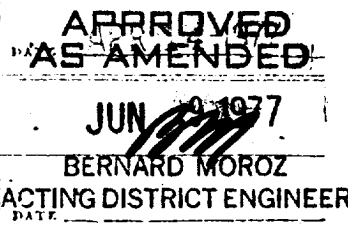
**"APPROVAL TO FLARE GRANTED
WHILE DRILLING AND TESTING."**

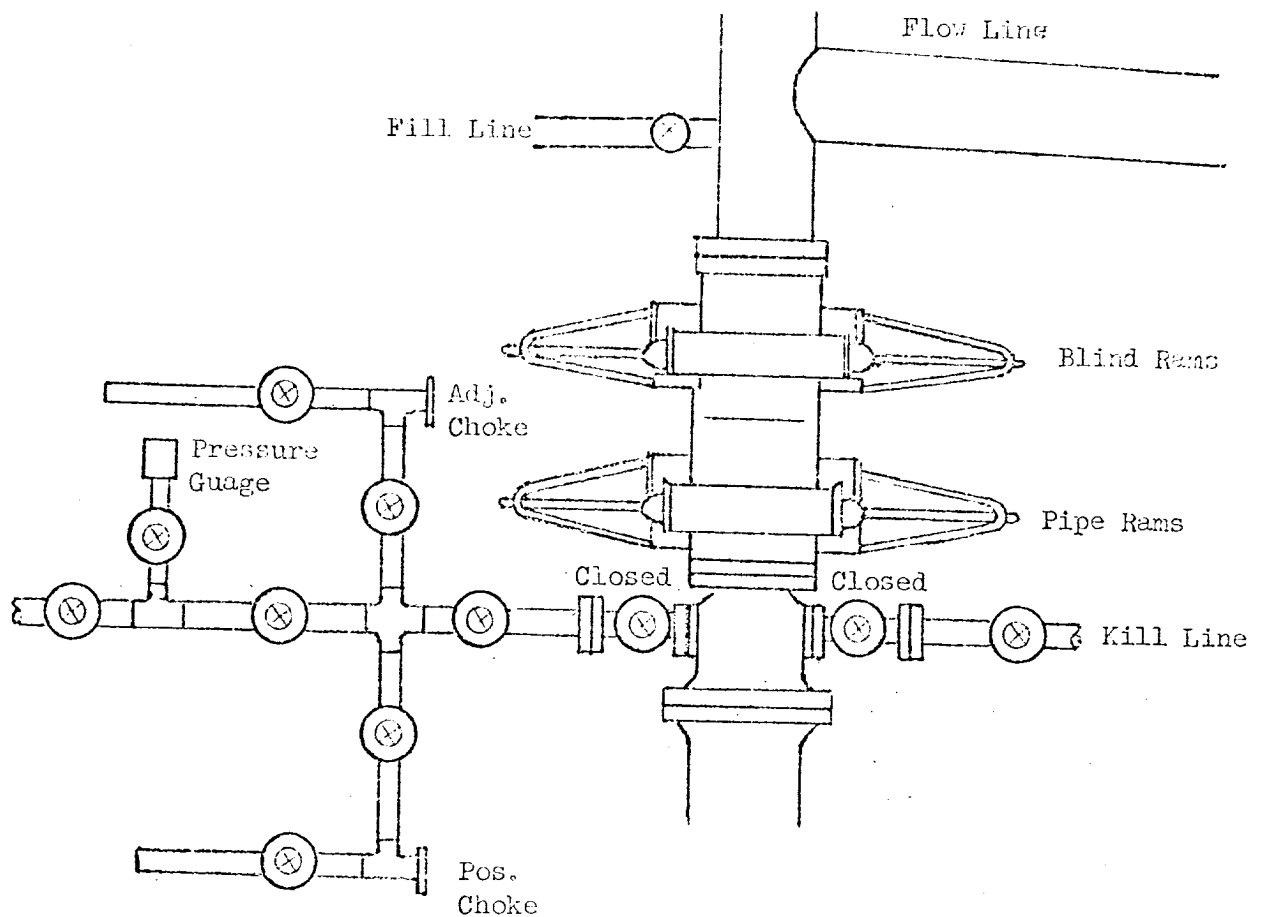
APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE





All valves 2"

All BOPs, flanges, spools, valves, & lines must be series 900 or 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOOKUP

Denver, Colorado

RECEIVED

JUN 14 1977

U. S. OIL & GAS COMM.
HOBBS, N. M.