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P. O. BOX 2088
NEW MEXICO 87501

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
K-3271

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 ☐

7. Unit Agreement Name
8. Term of Lease Name
James-A

2. Name of Operator
Phillips Petroleum Company

9. Well No.
2

3. Address of Operator
4001 Penbrook Street, Odessa, Texas 79762

10. Field and Pool, or Wildcat
☒ Undesignated
Cherry Canyon

4. Location of Well
UNIT LETTER J LOCATED 1652 FEET FROM THE south LINE
AND 1980 FEET FROM THE east LINE OF SEC. 2 TWP. 22-S RGE. 30-E NMPM

12. County
Lea

19. Proposed Depth
6100'

19A. Formation
Cherry Canyon

20. Rotary or C.T.
Rotary

21. Elevations (show whether DF, KT, etc.)
3186' (unprepared)

22. Approx. Date Work will start
Upon approval

21A. Kind & Status Plug. Bond
Blanket

21B. Drilling Contractor
Will advise later

23. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|------------------|---------------|---|----------|
| 17 1/2" | 13 3/8" | 54.5#, K-55 | 400' | 600 sx Class "C", 2% CaCl ₂ Surface. | |
| 11 1/4" | 8 5/8" | 24#, K-55 | 3500' | Caliper volume + 30% excess of Class C, 20% Diacel "D" + 23#/sx salt + 1/2#/sx cellophane, tailed w/200 sx Class "C", 10#/sx salt. Cmt circulated to surface. | |
| 7 7/8" | 5 1/2" | 14# & 15.5# K-55 | 6000' | Caliper volume + 20% excess of Class C + 20% Diacel D + 1/2# per sx cellophane tailed w/ Class C neat. TOC est. @4500'. | |

Use mud additives as required for control.

Notify N.M.O.C.C. in sufficient time to witness
13 3/8" csg. and 8 5/8" csg.

BOP EQUIP: Series 900, 3000# WP (See attached schematic - Fig 7-9 or 7-10)

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed W. J. Mueller Title Engineering Supervisor, Reservoir Date November 24, 1986

(This space for State Use)

APPROVED BY Danell Moore TITLE Geologist DATE 12/17/86

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.