STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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5A. Indicate Type of Lease: STATE [X] FEE [ ]

5. State Oil & Gas Lease No.: LG888

API No: 30-025-27990

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work
DRILL [ ] DEEPEN [ ] PLUG BACK [X]

7. Unit Agreement Name:

Type of Well
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

8. Farm or Lease Name: State 1-2

Name of Operator
Phillips Petroleum Company

9. Well No.: 1

Address of Operator
Room 401, 4001 Penbrook St., Odessa, Texas 79762

10. Field and Pool, or Wildcat: Undesignated Bone Spring

Location of Well
UNIT LETTER E LOCATED 1980 FEET FROM THE north LINE
660 FEET FROM THE west LINE OF SEC. 2 TWP. 19-S RGE. 32-E NMPM

12. County: Lea

| 19. Proposed Depth | 19A. Formation | 20. Rotary or C.T. |
|---|---|---|
| 12,950' | Bone Spring | Rotary |

| Elevations (Show whether DF, RT, etc.) | 21A. Kind & Status Plug. Bond | 21B. Drilling Contractor | 22. Approx. Date Work will start |
|---|---|---|---|
| 3681'Gr | Blanket Bond | NA | Upon approval |

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 3/4" H-40 | 48#, 54# | 444' | 450 sx C | Surface |
| 11" | 8 5/8" S-80 | 32# | 5040' | 612 sx H, 1260 sx TLW + 100 sx C | Surface |
| 7 7/8" | 5 1/2" S-95 | 17# | 13670' | 1600 sx H | 11845'/T.S. |

Propose to abandon Wolfcamp perfs 10,546'-10,550' and recomplete in Bone Spring as follows.

MI & RU DDU. NU BOP's. Swab to recover any oil in tubing. Take water sample. Unseat pkr, COOH with tubing & pkr. GIH w/dump bailer to 12,930' and dump 5 sx cmt on CIBP at 12,950'. GIH w/cmt retainer, set at 10,420'. Sting into retainer & establish rate. Squeeze perfs 10,546'-10,550' with 150 sx Class H cmt. Leave 10 sx cmt on top of retainer. GIH w/4" OD csg gun and perf Bone Spring using deep penetrating DML charges, 2 SPF, spiral phasing: 10,094'-10,110', 32 holes. GIH w/RTTS type pkr to 10,050', test tbg to 5000 psi going in hole. Swab well to clean up perfs. Acidize Bone Spring perfs w/2400 gals 15% NEFE HCL chemically retarded acid, containing fines suspension agent & high temperature inhibitor. Swab test well.

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, Reser. Date 2-10-86

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR TITLE _____ DATE FEB 14 1986

CONDITIONS OF APPROVAL, IF ANY: