

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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P. O. BOX 2088

APR 12 1984, NEW MEXICO 87501

O. C. D.
ARTESIA, OFFICE

API No. 30-015-20897

Form C-101
Revised 10-1-78

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5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

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 ☐

2. Name of Operator

Phillips Petroleum Company

3. Address of Operator

Room 401, 4001 Penbrook Street, Odessa, Texas 79762

4. Location of Well

UNIT LETTER K LOCATED 1980 FEET FROM THE south LINE

AND 1980 FEET FROM THE west LINE OF SEC. 19 TWP. 23-S RGE. 27-E N14PM

7. Unit Agreement Name

8. Farm or Lease Name

Drag C

9. Well No.

1

10. Field and Pool, or Wildcat
Undesignated-Brushy Canyon

12. County

Eddy

19. Proposed Depth

5544PBDT (12125TD)

19A. Formation

Brushy Canyon

20. Rotary or C.T.

Rotary

21. Elevations (Show whether DF, RT, etc.)

3205'GR

21A. Kind & Status Plug. Bond

Blanket

21B. Drilling Contractor

N/A

22. Approx. Date Work will start

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"	13-3/8"	48# H-40	390'	450 sx Class H w/2%CaCl ₂ , 1/4# flocele/sx. Circ 50 sx to surf.	
11"	8-5/8"	30# K-55	5570'	1300 sx LW w/3# Gilsonite/sx, 250 sx Neat. TOC @ 1800'	

Recommended procedure to squeeze existing Bone Spring perforations and test lower Brushy Canyon. (The Bone Spring is currently swab testing 100% water)
Install BOP, pull 2-7/8" tubing and packer. GIH w/EZ Drill cement retainer, set @ 5310'.
Squeeze perforations 5334' - 5376' w/75 sx 14.8 ppg Class C Neat cmt. Displace cmt w/20 BW.
Perforate 8-5/8" csg w/4" OD csg gun 2JSPF @ 5280' - 5286', 6'-12 shots. GIH w/RTTS packer set @ 5230', test to 1000#. Acidize perforations 5280'-5286' w/1000 gals 7-1/2% NEFE HCL acid containing clay stabilizer and LST agent w/1 RCN ball sealer per 125 gals. Swab perforations. Results will determine further procedures.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10-23-84
UNLESS DRILLING UNDERWAY

BOP EQUIP: Series 900, 3000#WP, double w/1 set pipe rams, 1 set blind rams, manually operated.

IF ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed W. J. Mueller Title Senior Engineering Specialist Date April 10, 1984

(This space for State Use)

Original Signed By

Leslie A. Clements

Supervisor District II

APR 23 1984

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: