

NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87504

JUN 01 1984

O. C. D.

ARTESIA OFFICE

API No. 30-015-20897

Form C-101

Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	☒
FILE	☒
U.S.G.S.	☒
LAND OFFICE	☒
OPERATOR	☒

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		7. Unit Agreement Name	
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐		---	
DEEPEN ☐ PLUG BACK ☒		8. Farm or Lease Name	
SINGLE ZONE ☒ MULTIPLE ZONE ☐		Drag C	
2. Name of Operator		9. Well No.	
Phillips Petroleum Company ☒		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
Room 401, 4001 Penbrook Street, Odessa, Texas 79762		Undesignated -	
4. Location of Well		Bell Canyon	
UNIT LETTER <u>K</u> LOCATED <u>1980</u> FEET FROM THE <u>south</u> LINE			
AND <u>1980</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>19</u> TWP. <u>23-S</u> RGE. <u>27-E</u> NMPN			
		12. County	
		Eddy	
		19. Proposed Depth	
		5309'PTD	
		19A. Formation	
		Bell Canyon	
		19. Rotary or C.T.	
		Rotary	
11. Elevations (Show whether D.F., H.I., etc.)		21A. Kind & Status Plug. Bond	
3205'GR		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#/sx flocele. Circ 50	sx to surface
11"	8-5/8"	30# K-55	5570'	1300 sx LW w/3#/sx Gilsonite, 250 sx Neat. TOC @ 1800'	

Recommended procedure to squeeze existing Brushy Canyon perforations and test the Bell Canyon zone:

MI DDU & BOP. Install & test BOP. Pull 2-7/8" tubing and packer. GIH w/CIBP, set @ 5230'. Pressure test seat to 1000 psi. Dump full bailer of Class C neat cement on CIBP to abandon Brushy Canyon zone perforations 5280'-5286'. Displace hole with 2% KCL water, and spot 10 bbls of 10% Acetic acid from 2000'-2150'. Perforate 8-5/8" casing w/4" O.D. gun 2JSPF @ 2046' - 2052' and 2086' - 2094'. GIH w/RTTS type packer, set @ 2000'. Swab perforations to clean up. Load csg/tbg annulus w/2% KCL water and pressure test RTTS to 1000 psi. Acidize perforations 2046'-2094' w/1500 gallons of 7-1/2% NEFE HCL acid containing clay stabilizers & LST agent w/ 1 RCN ball sealer every 100 gallons. Swab perforations to clean up and test. Results will determine further procedures.

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

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.

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

W. J. Mueller Title _____ Date May 30, 1984

(This space for State Use)

Original Signed By

Leslie A. Clements

Supervisor District 18

JUN 04 1984

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

* MIN OF 35' of CMT.