4/5F

Form 9-331C
(May 1963)

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 05 1984
O. C. D.
ARTESIA, OFFICE

(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425

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 (Successor to General American Oil Company of Texas)

3. ADDRESS OF OPERATOR: Room 401, 4001 Penbrook St., Odessa, Texas 79762

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: (Unit G) 2310' FEL and 1980' FNL
At proposed prod. zone: same

5. LEASE DESIGNATION AND SERIAL NO.: NM-14847

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: - - -

7. UNIT AGREEMENT NAME: - - -

8. FARM OR LEASE NAME: Green "B"

9. WELL NO.: 9

10. FIELD AND POOL, OR WILDCAT: Empire Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 19, T-17-S, R-29-E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 5.4 miles west of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any): 1980'

16. NO. OF ACRES IN LEASE: 1347

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 3600'

19. PROPOSED DEPTH: 10,870'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3698.2'GL

22. APPROX. DATE WORK WILL START*: upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11-3/4"	42#	429'	325 sx. Circulated to surface
11"	8-5/8"	32#	3000'	1250 sx. Circulated to surface
7-7/8"	5-1/2"	17#, 15.5#	10,870'	740 sx. TOC @ 7800'

See reverse side for recommended procedure to plugback to Abo zone, perforate and acidize.

Verbal approval rec'd by T. H. McLemore per tele. conv. w/Bob Pitschke 5-31/84

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

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 preventer program, if any.

24.

SIGNED Ralph J. Rogers for W. J. Mueller TITLE _____ DATE May 31, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY R. Pitschke TITLE P.E. DATE 6/4/84

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECOMMENDED PROCEDURE

GREEN "B" WELL #9

May 24, 1984

1. Move in and rig up double drum workover unit. Phillips' supervisor to hold safety meeting with workover unit personnel. Install BOP and test. COOH with tubing and packer.

2. Attempt to load hole. Phillips' supervisor to hold safety meeting with wireline company personnel. _____ to set CIBP at 10,700'. Test casing to surface to 4500 psi. Dump full bailer of Class H cement with .2% D13 retarder mixed at 15.6 ppg (mix water 5.2 gal/sx; TT~4:00) on BP. This plug will abandon the existing Morrow perfs. COOH.

3. Phillips' supervisor to hold safety meeting with wireline company personnel. _____ to run GR-Collar Log from 6000'-7500'. (Correlate with Dresser Atlas Compensated Neutron-Densilog run 7/3/79.)

4. Phillips' supervisor to hold safety meeting with wireline company personnel. _____ to perforate the 5-1/2" O.D. casing with 2 shots at 7550'. COOH.

5. GIH with cement retainer on 2-7/8" O.D. tubing and set at ± 7500'. Pressure annulus to 1000 psi. Attempt to establish circulation to surface with fresh water, using approximately 10 bbls of chemical wash (for example CW7) as pre-pad. (If circulation not established, reperforate at ± 7350' and attempt circulation again.)

6. Phillips' supervisor to hold safety meeting with cementing company personnel. _____ to squeeze behind casing with 300 sacks of Class H cement and tail-in of 50 sacks Thixotropic cement (for example, RFC). (Cement does not need to circulate.) Pull out of retainer, reverse tubing clean, COOH. WOC.

7. Run temperature survey. If TOC is below 7000', prepare to reperforate casing just above top of cement and squeeze again.
If TOC is above 7000', continue procedure.

8. Test casing to 1500 psi.

9. Spot 5 bbls of 10% acetic acid from 7050-7250'. COOH.

10. _____ to perforate the 5-1/2" O.D. casing using a 4" O.D. casing gun loaded with 2-1/2" deep penetrating shots/foot and spiral phasing over the following intervals:

7094' - 7098'	4 feet	8 shots
7104' - 7108'	4 feet	8 shots