

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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

DOME PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

501 Airport Drive, Suite 107, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface 1980' FNL, 1980' FWE

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

30 miles Southwest of Cuba, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

2572.61

19. PROPOSED DEPTH

3600'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6358' GR.

22. APPROX. DATE WORK WILL START\*

4/15/80

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13½"	9 5/8"	32.3#	200'	200 sacks (circulated)
8½"	7"	20# & 23#	3600'	600 sacks (circulated)

Move in rotary tools. Drill 13½" hole to 200'. Set 200' new 9 5/8" H-40 casing. Cement with 200 sx. class "B" cement with 2% CaCl. Wait on cement 12 hours. Install 10" 900 series BOP. Test to 500 psi before drilling out from under surface pipe. Check pipe rams daily and blind rams on trips. Drill 8½" hole to TD. The geologic name of the surface formation is Mesa Verde. Oil is expected in the Entrada. All other formations are probably water bearing. Pertinent formation tops are estimated as Gallup 1325', Sansotee 1785', Carl 1895', Greenhorn 2125', Greneros 2185', Dakota 2265', Morrison 2585', Todilto 3375', and Entrada 3387'. Mud system will be low solids nondispersed. Mud weight 8.5-9.2#/Gal. FL8-10cc, Viscosity 30-50 Sec/Quart. No abnormal temperatures or pressures are anticipated. Logging program will be DIL, FDC/CNL/GR with caliper log. Drill stem test will be taken where necessary for evaluation. If produced, 20# & 23#, K55 casing will be run and cemented in two stages with 65/35 pasmix & 10# Gilsonite/sx. followed with 100 sacks class "B" cement with 10% salt. Drilling should require approximately 15 days.

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

*H. D. HOLLINGSWORTH*  
H. D. HOLLINGSWORTH

TITLE Drlg. &amp; Prod. Foreman

DATE 3/25/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*ok Frank**State*U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

MAR 27 1980

RECEIVED

