

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 Corp.

3. ADDRESS OF OPERATOR

501 Airport Drive, Suite 114, Farmington, New Mexico 87401

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

At surface

980' FNL, 1030' FWL

At proposed prod. zone

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

10 miles South of Nageezi Trading Post

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.

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

6756' GR.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	100'	75 sacks (Circulated)
6 1/4"	4 1/2"	10.5#	1950'	375 sacks (Circulated)

Move in rotary tools. Drill 12 1/4" hole to 100'. Set 100' of new 8 5/8", 24#, K55 casing. Cement with 75 sacks Class "B" Cement with 2% CaCl. Wait on cement 12 hours. Install 6" 900 Series BOP. Test to 500 psi before drilling out from under surface pipe. Check pipe rams daily and blind rams on trips. Drill 6 1/4" hole to T.D. The geologic name of the surface formation is Nacimiento. Gas is expected in the Chacra. All other formations are probably water bearing. Pertinent formation tops are estimated as Kirtland 220'; Fruitland 580'; Pictured Cliff 1140'; Chacra 1500'; and Cliffhouse 1920'. Mud system will be low solids non-dispersed. Mud weight 8.8-9.2 #/Gal. F.L. 8-10 cc, viscosity 30-50 sec./quart. No abnormal temperatures or pressures are anticipated. Logging program will be IES, FDC/CNL/GR with caliper log. If productive 4 1/2", 10.5#, K55 Casing will be run and cemented with 275 sacks 65/35 Pozmix, 6% Gel, and 10# Gilsonite/sack. Followed with 100 sacks Class "B" Cement with 2% CaCl. Drilling should require approximately 6 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. HOLMINGSWORTH

TITLE Drlg. & Prod. Foreman

DATE September 25, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

AS AMENDED

DEC 09 1980

JAMES F. SIMS
DISTRICT ENGINEER

TITLE

DATE

DEC 9 1980
OIL CO.
DIST. 3

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-3544

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Allotted

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Dome Navajo 29-23-8

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat-Chacra

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 29, T23N, R8W

12. COUNTY OR PARISH

13. STATE

San Juan

New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

11/1/80

Form C-107
Revised 10-1-70

Certificate No. 3950
J. KERR, JR.