

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

30 043-20577

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 820' FSL, 1620' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 9 miles Southwest of Lybrook Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 16. NO. OF ACRES IN LEASE
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH
 1835'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6732' GR.

5. LEASE DESIGNATION AND SERIAL NO.
 NOO-C-14-20-5363

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo Allotted

7. UNIT AGREEMENT NAME
 Navajo Allotted

8. FARM OR LEASE NAME
 Dome Navajo 27-22-7

9. WELL NO.
 3

10. FIELD AND POOL, OR WILDCAT
 Rusty Chacra Extension

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 27, T22N, R7W

12. COUNTY OR PARISH 13. STATE
 Sandoval 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

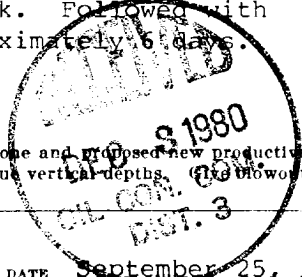
PROPOSED CASING AND CEMENTING PROGRAM

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 3/4"	4 1/2"	10.5#	1835'	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 3/4" 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 155'; Fruitland 465'; Pictured Cliff 1025'; Chacra 1385'; and Cliffhouse 1805'. 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.

deducted

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.



SIGNED [Signature] TITLE Drlg. & Prod. Foreman DATE September 25, 1980

(This space for Federal or State use)
AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE _____
 JAMES F. SIMS
 DISTRICT ENGINEER

dk 3-11

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

DEPARTMENT

All distances must be from the outer boundaries of the Section.

PETROLEUM CORPORATION		Lease DOME-NAVAJO 27-22-7		Well No. 3
Section 27	Township 22N	Range 7W	County Sandoval	

Actual Footage Location of Well:
820 feet from the South line and 1620 feet from the East line

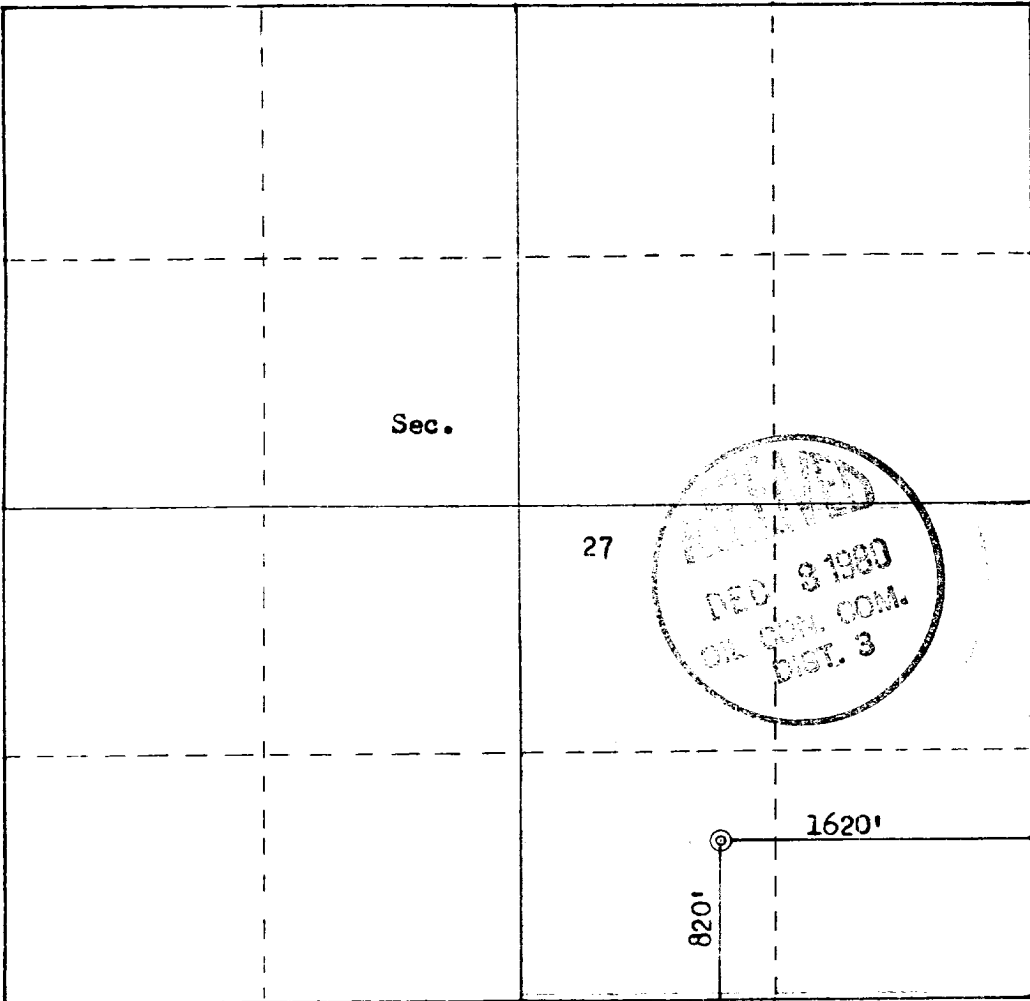
Ground Level Elev. 6732	Producing Formation Chacra	Pool Rusty Chacra Extension	Dedicated Acreage: 160 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

CERTIFICATION

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

H. D. Hollingsworth
Name

H. D. HOLLINGSWORTH
Position

Drilling & Prod. Foreman
Company

DOME PETROLEUM CORP.

Date
September 25, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
September 23, 1980

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.
3950