

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

475' FNL, 930' FEL

A 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)

## 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.)

6748' 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#	200'	200 sacks (circulated)
7 7/8"	4 1/2"	10.5#	5000'	900 sacks (circulated)

Proposed program is subject to administrative  
approval pursuant to 30 CFR 290.

Move in rotary tools. Drill 12 1/4" hole to 200'. Set 200' new 8 5/8", 24#, K55 Casing. Cement with 200 sxs. 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 & blind rams on trips. Drill 7 7/8" hole to T.D. The geological name of the surface formation is Nacimiento. Oil is expected in the Gallup and gas is expected in the Chacra. All other formations are probably water bearing. Pertinent formation tops are estimated as Pictured Cliff 940'; Chacra 1302'; Cliffhouse 1673'; Point Lookout 3318'; Mancos 3512' and Gallup 4409'. Mud will be low solids non-dispersed. Mud 8.8-9.2#/Gal., FL 8-10cc, and viscosity 30-60 sec./quart. No abnormal temperatures or pressures are anticipated. Logging program will be DIL, FDC/CNL with Gamma Ray/Caliper. If productive 4 1/2", 10.5#, K55 Casing will be run and cemented with 700 sxs. 65/35 Puzm 10, 6% Gel, and 10# Gilsonite/sx. Followed with 200 sxs. Class "B" Cement with 10% salt. Drilling should require approximately 10 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. Hurlingsworth*  
H. D. HURLINGSWORTH

TITLE Drlg. &amp; Production Foreman

DATE November 17, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*f. Bruce Wamley*  
DISTRICT ENGINEER*ok 3m*

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

Operator DOME PETROLEUM CORPORATION			Lease DOME-TESORO 27		Well No. 1
Unit Letter A	Section 27	Township 22N	Range 7W	County Sandoval	
Actual Footage Location of Well: 475 feet from the North line and 930 feet from the East line					
Ground Level Elev: 6748	Producing Formation Gallup	Pool Undesignated Gallup		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

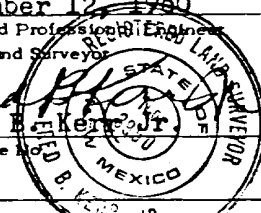
☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

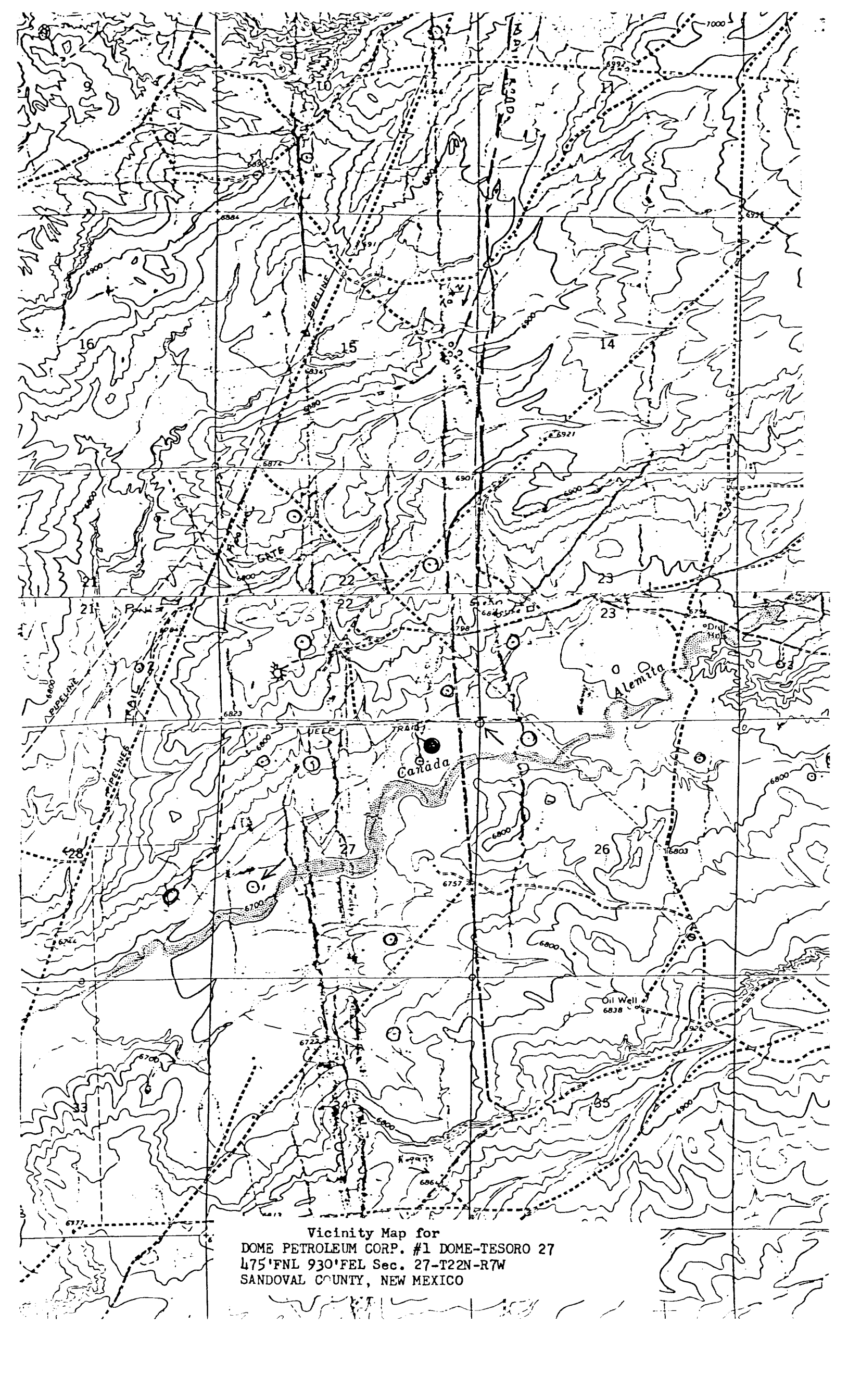
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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.	
<i>H. D. Hollingsworth</i>	
Name	H. D. HOLLINGSWORTH
Position	Drilling & Production Foreman
Company	DOME PETROLEUM CORP.
Date	November 17, 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	November 12, 1980
Registered Professional Engineer and Land Surveyor	
<i>Fred E. Kenner Jr.</i>	
Certificate No.	3950





Vicinity Map for  
DOME PETROLEUM CORP. #1 DOME-TESORO 27  
475'FNL 930'FEL Sec. 27-T22N-R7W  
SANDOVAL COUNTY, NEW MEXICO