

30-043-20473

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 107, Farmington, New Mexico, 87401

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

At surface

1660' FSL, 830' FEL

At proposed prod. zone

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

2 miles Southwest of Counselor's Trading Post, N.M.

## 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

960

## 19. PROPOSED DEPTH

5775

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

7210' G.R.

## 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"	23#	200'	200 sacks (circulated)
7 7/8"	4 1/2"	10.5#	5775'	600 sacks (circulated)

Move in rotary tools. Drill 12 1/4" hole to 200'. Set 200' new 8 5/8", 23#, K55 casing. Cement with 200 sacks class "B" cement with 2% CaCl. Wait on cement 12 hours. Install 10" 900 series blowout preventer. Test to 500 psi before drilling out from under surface pipe. Check pipe rams daily and blind rams on trips. Drill 7 7/8" hole to TD. The geological name of the surface formation is San Jose. Oil is expected in the Gallup. All other formations are probably water bearing. Pertinent formation tops are estimated as Kirtland 1665'; Fruitland 1945'; Pictured Cliff 2135'; Chacra 2520'; Point Lookout 4335'; Mancos 4535' and Gallup 5425'. Mud will be low solids nondispersed. Mud weight 8.8-9.2 #/Gal., FL 8-10cc, and 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 productive 4 1/2", 10.5#, K55 casing will be run and cemented with 500 sacks 65/35 Pozmix, w/6% Gel and 10# Gilsonite/sx. followed with 100 sacks class "B" cement with 10% salt. Drilling should require 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

TITLE Drlg. &amp; Prod. Foreman

DATE 5/01/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

NMOCC

MAY 2 1980

APPROVED

MAY 19 1980

DISTRICT ENGINEER

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

Operator <b>DOME PETROLEUM CORPORATION</b>			Lease <b>DOME-FEDERAL 28-23-6</b>		Well No. <b>1</b>
Unit Letter <b>I</b>	Section <b>28</b>	Township <b>23N</b>	Range <b>6W</b>	County <b>Sandoval</b>	
Actual Footage Location of Well: <b>1660</b> feet from the <b>South</b> line and <b>830</b> feet from the <b>East</b> line					
Ground Level Elev. <b>7210</b>	Producing Formation <b>Gallup</b>		Pool <b>Wildcat</b>	Dedicated Acreage: <b>40</b> Acres	

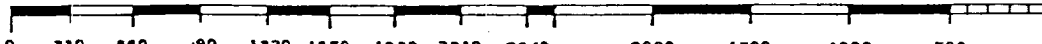
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

Sec.		28
		830'
		1660'
		MAY 21 1980
		OIL CON. COM.
		DIST. 3



## 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 & Production Foreman

Company

DOME PETROLEUM CORP.

Date

May 1, 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

April 30, 1980

Registered Professional Engineer  
and/or Land Surveyor

*Fred B. Kerr, Jr.*  
Fred B. Kerr, Jr.

Certificate No. 3950



Vicinity Map for  
DOME PETROLEUM CORP. #1 DOME-FEDERAL 28-23-6  
1660 FSL 830 FEL Sec. 28-T23N-R6W  
SANDOVAL COUNTY, NEW MEXICO

