

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

920' FNL, 1570' FEL

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.)

6729' 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 3/4"	4 1/2"	10.5#	1920'	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 240'; Fruitland 550'; Pictured Cliff 1110'; Chacra 1470'; and Cliffhouse 1890'. 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. HOLLINGSWORTH

TITLE Drlg. &amp; Prod. Foreman

DATE September 25, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

AS AMENDED

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY

DEC 10 1980

FOR JAMES F. SIMS

DISTRICT ENGINEER



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

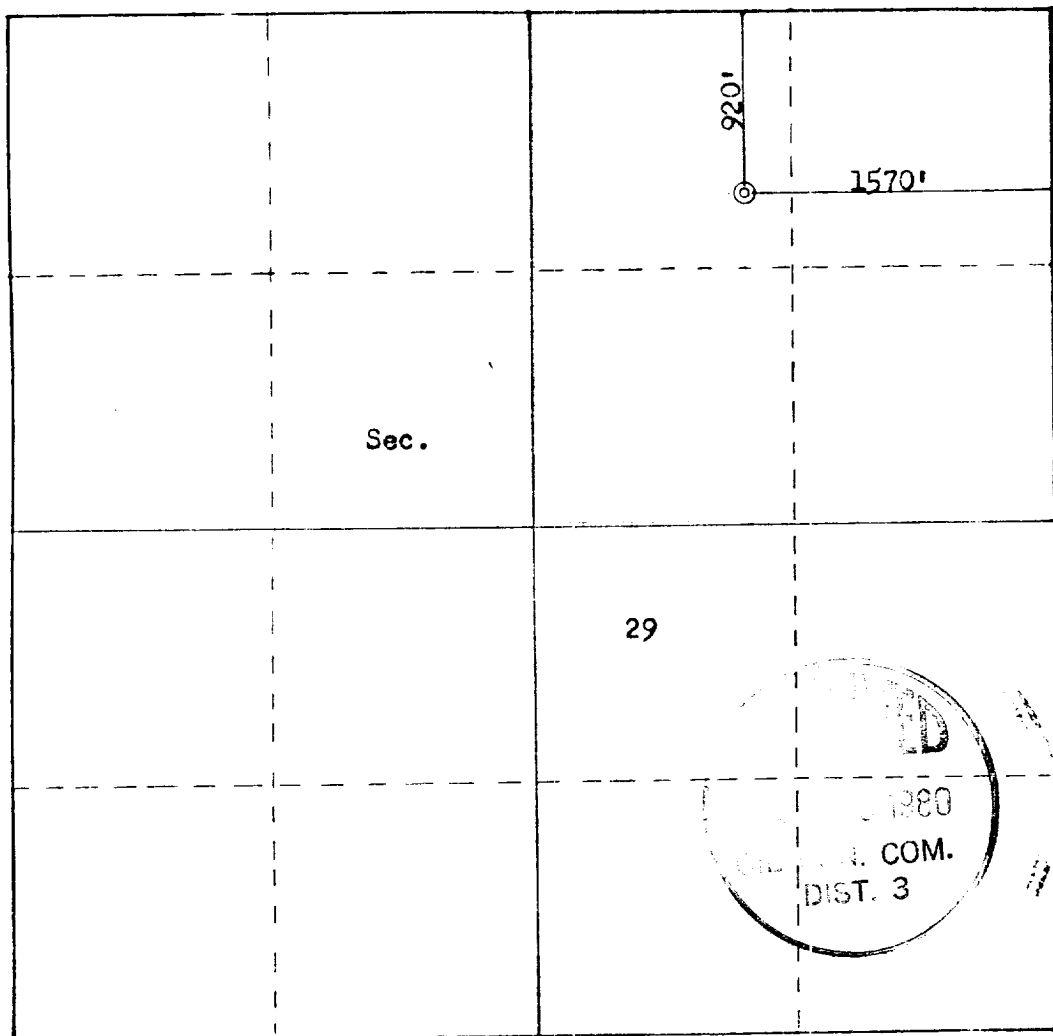
Operator <b>DOME PETROLEUM CORPORATION</b>			Lease <b>DOME-NAVAJO 29-23-8</b>		Well No. <b>1</b>
Unit Letter <b>B</b>	Section <b>29</b>	Township <b>23N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>920</b> feet from the <b>North</b> line and <b>1570</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6729</b>	Producing Formation <b>Chacra</b>	Pool <b>Wildcat Chacra</b>		Dedicated Acreage: <b>160</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.



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.

Certification No.

3950