

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 850' FNL, 1700' FWL

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.)

6856' 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'	800 sacks (circulated)

Move in rotary tools. Drill 12 1/4" hole to 200'. Set 200' new 8 5/8", 24#, K55 Casing. Cement with 200 sacks Class "B" Cement with 2% CaCl. Wait on cement 12 hours. Install 10" 900 Series B.O.P. 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 I.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 Kirtland 360'; Fruitland 610'; PC 1230'; Chacra 1590'; Cliffhouse 2010'; L. Menefee 2680'; P. Lookout 3529'; Mancus 3729'; and Gallup 4687'. Mud system will be low solids non-dispersed. Mud weight 8.8-9.2 #/Gal., FL 8-10 cc, and viscosity 30-50 sec./quart. No abnormal temperatures or pressures are anticipated. Logging program will be DIL, FDC/CNL with Gamma Ray and Caliper. 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 600 sacks 65/35 Pozmix with 6% Gel and 10# Gilsonite/sx. Followed with 200 sx. Class "B" Cement with 10% salt. Drilling should require approximately 15 days.

This action is subject to administrative
appeal pursuant to 30 CFR 290.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
GENERAL REQUIREMENTS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give details 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. HUGHES, SMITH
AS AMENDED

(This space for Federal or State Office Use)

PERMIT NO.

FEB 06 1981

APPROVED BY

JAMES F. SIMS
DISTRICT ENGINEER

TITLE Drlg. & Prod. Foreman

APPROVAL DATE

TITLE

NMOCC

5. LEASE DESIGNATION AND SERIAL NO.

N00-C-14-20-5356

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Allotted

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Dome-Tesoro 22

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undesignated Gallup

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

Sec. 22, 22N, R7W

12. COUNTY OR PARISH

Sandoval

New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL

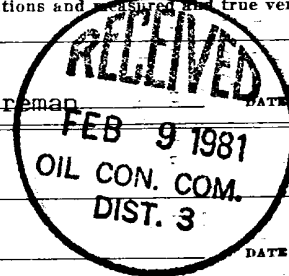
40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

2/1/81



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

Operator DOME PETROLEUM CORPORATION			Lease DOME-TESORO 22		Well No. 4
Unit Letter C	Section 22	Township 22N	Range 7W	County Sandoval	
Actual Footage Location of Well: 850 feet from the North line and 1700 feet from the West line					
Ground Level Elev: 6856	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.

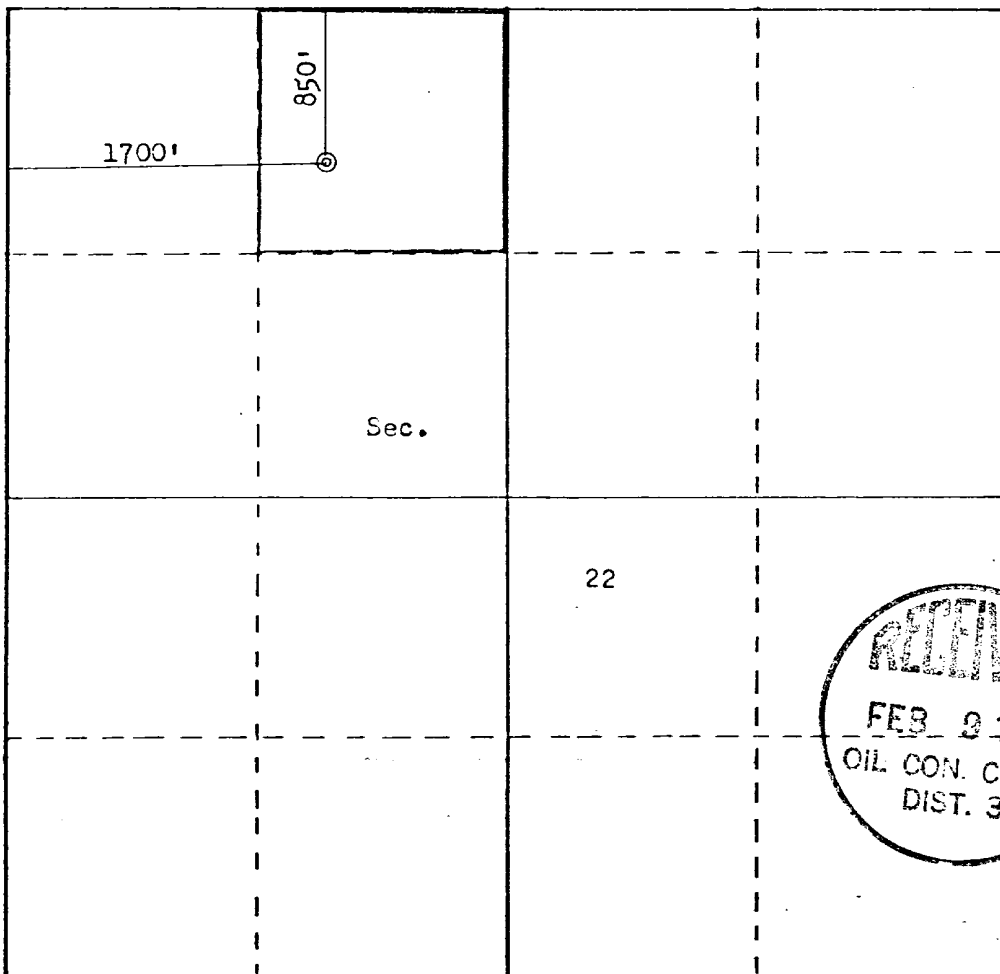
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 _____

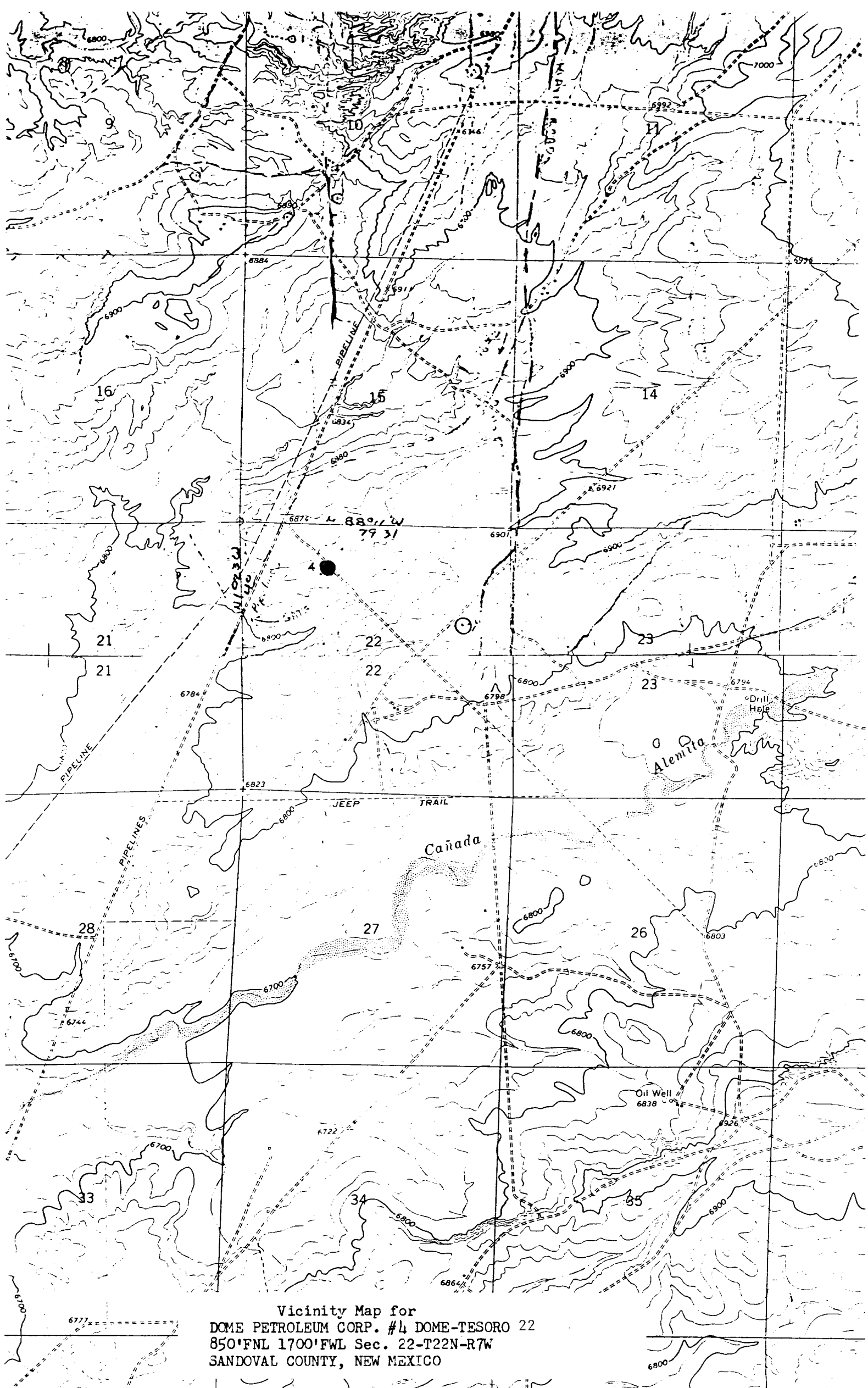
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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	January 14, 1981
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	January 13, 1981
Registered Professional Engineer and Land Surveyor	
<i>Fred B. Kerr Jr.</i>	
Certificate No.	3950



Vicinity Map for
DOME PETROLEUM CORP. #4 DOME-TESORO 22
850'FNL 1700'FWL Sec. 22-T22N-R7W
SANDOVAL COUNTY, NEW MEXICO