

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 Corporation

## 3. ADDRESS OF OPERATOR

80202

Suite 1500; Colorado State Bank Bldg; 1600 Broadway; Denver, Co.

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

At surface

990' FSL &amp; 790' FEL

At proposed prod. zone

Same

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

## 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

960

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

## 19. PROPOSED DEPTH

1500

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

6098 GL

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8	5 1/2	15.5	44	50
4 3/4	2 7/8	6.4	1500	125

(See attachments.)

Gas under this lease is dedicated to a contract.

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

*John Alexander*  
John Alexander

TITLE

Agent

DATE

8/1/78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*ok Enad*

## 5. LEASE DESIGNATION AND SERIAL NO.

NM 7787

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Federal 24

## 9. WELL NO.

1

## 10. FIELD AND POOL, OR WILDCAT

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

S24-T26N-R13W

## 12. COUNTY OR PARISH

San Juan

## 13. STATE

NM

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 20. ROTARY OR CABLE TOOLS

Rotary

## 22. APPROX. DATE WORK WILL START\*

August 10, 1978

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

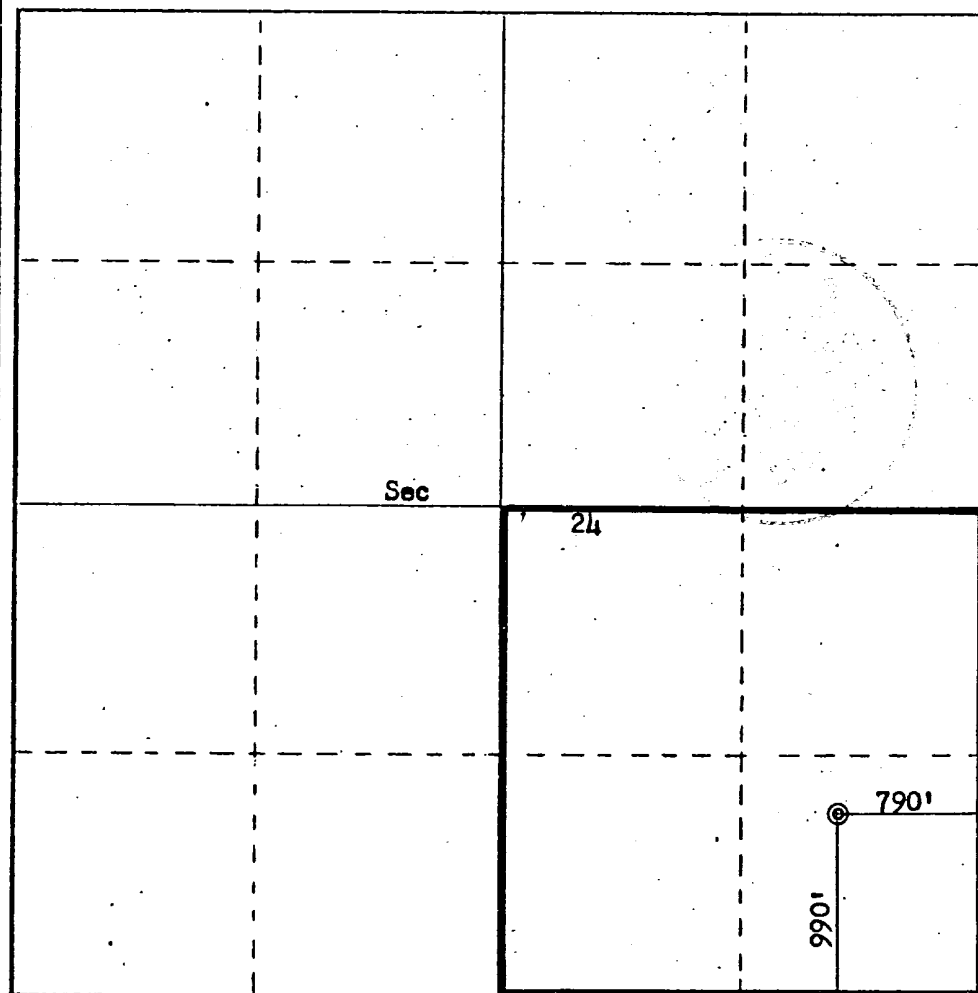
Operator <b>DOMESTIC PETROLEUM CORPORATION</b>			Lease <b>FEDERAL 24</b>		Well No. <b>1</b>
Unit Letter <b>P</b>	Section <b>24</b>	Township <b>26N</b>	Range <b>13W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>990</b> feet from the <b>South</b> line and <b>790</b> feet from the <b>East</b> line.					
Ground Level Elev. <b>6098</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>WAW-Fruit-Pl. ext.</b>	Dedicated Acreage: <b>160</b> Acres		

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.



CERTIFICATION

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

*John Alexander*  
Name  
John Alexander

Position  
Agent

Company  
Dome Petroleum Corp.

Date  
8/1/78

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  
July 20, 1978  
Registered Professional Surveyor  
and Licensed Land Surveyor  
No. 3950  
*Frederick B. Kerr, Jr.*  
Certified by  
F. B. KERR, JR.  
3950

Dome Petroleum Corporation  
Formation Information & Drilling Practices

WELL:

Federal 24 #1

LOCATION:

990' FSL & 790' FEL

S24-T26N-R13W

San Juan Co., NM

LEASE NUMBER:

NM 7787

1) Geologic name of surface formation:

Ojo Alamo

2) Estimated tops of important geologic markers:

Fruitland	619
Pictured Cliffs	1199

3) Estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected:

1199	Gas
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4) Proposed casing program:

Surface - 5½", 14.0 lb/ft., K-55, used casing, to be set at 40'. Cement to be 50 sk. Class "B" with 2% CaCl<sub>2</sub>.

Production - 2 7/8", 6.4 lb/ft J-55, used, to be set at 1500'. Cement to be 125 sk. Class B.

5) Specifications for pressure control equipment:

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 200 psi. as soon as possible after its installation on the surface pipe. Testing will be done with the rig pump. This is a manual type preventer, and its operation will be manually checked when practical.

6) Drilling fluids:

Depth	Type	Viscosity	Weight	Fluid loss
0-1500'	gel-lime	35-55	8.9-9.2	15 c.c.

7) Auxiliary equipment:

- (a) bit float
- (b) full opening valve for stabbing in drill pipe when the kelly is not in use

8) Logging - Coring - Drill Stem Testing:

Logging-Induction Electric Log, Formation Compensated Density-Compensated Neutron log, Gamma ray, Caliper

Coring - None

Drill Stem Testing - None

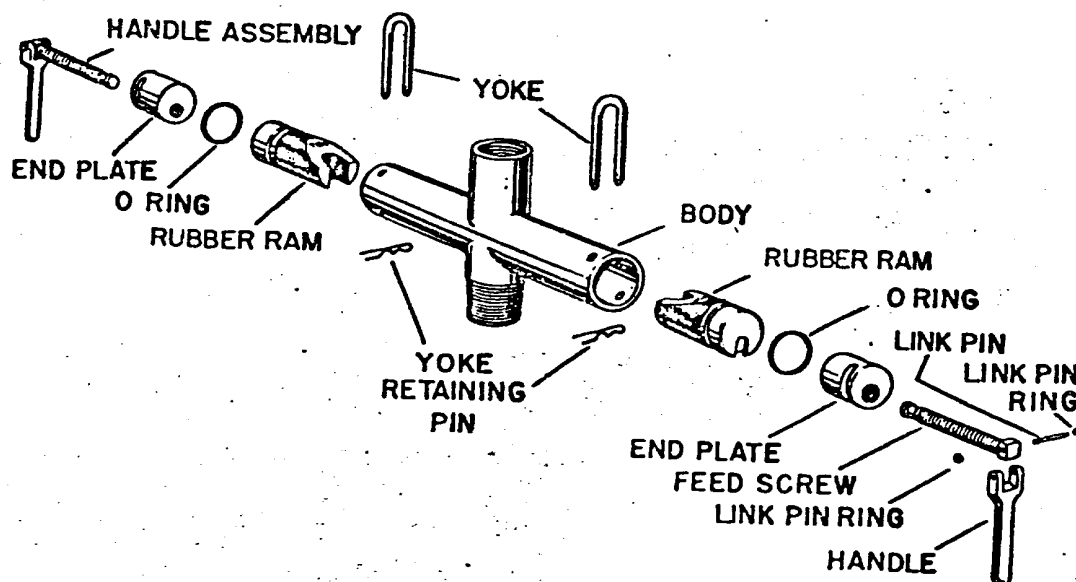
9) Abnormal temperatures, pressures, or hazardous conditions:

None expected.

10) Starting date:

Anticipated starting date is August 10, 1978, approximately 5 days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require approximately 3 days to complete.

# BLOWOUT PREVENTERS



ATTACHMENT TO POINT 5  
API SERIES 6" 600

Dome Petroleum Corporation

Development Plan for Surface Use

WELL:

Federal 24 No. 1

LOCATION:

990 FSL & 790' FEL

S.24-T26N-R13W

San Juan Co., NM

LEASE NUMBER:

NM 7787

1) Existing roads: (Shown in green.)

The attached topographic map shows all existing roads within one mile of the proposed location. Access will be made to a county road 1 mile south of the location.

All existing roads are in good condition and will not have to be upgraded to handle normal drilling activity traffic.

2) Planned access road: (Shown in red.)

The planned access road will be approximately 200 ft. long and 20 ft. wide. Maximum grade will be about 1%. No turnouts or culverts will be required. Water bars will be used to aid drainage and prevent erosion. No surfacing material will be required. No gates, cattle guards, or fences will be crossed. No cuts or fills should be required.

3) Location of existing wells:

All wells (water, abandoned, disposal, and drilling) are shown and so labeled on the attached topographic map.

4) Location of tank batteries, production facilities and production, gathering and service lines:

All production facilities are to be contained within the proposed location. All other facilities owned or controlled by Dome Petroleum Corp. are shown on the attached topographic map.

5) Location and type of water supply:

Water for drilling will be trucked from El Paso Natural Gas Chaco Plant, located 1 mile east of location. This water is privately owned.

6) Source of construction material:

Any construction material required for road or location will be excess material accumulated during building of such sites.

7) Methods of handling waste disposal:

(Refer to attached well site layout.)

All burnable material will be burned in the trash pit when conditions permit. All non-burnable material (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit and buried when dry. Any oil produced while drilling will be trucked from the location prior to leaving the pit to dry. Pits will be fenced during dryout time, then completely back-filled with dirt prior to preparing the location for production or abandonment.



8) Ancillary facilities:

No ancillary facilities are planned.

9) Well site layout:

The attached layout shows the drilling rig with all facilities. Cut and fill required is also indicated.

10) Plans for restoration of surface:

Restoration of well site and access road will begin within 90 days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both site and road will have top soil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of the location, not needed for operation, will be repaired as above. The portion needed for daily production operations, and the access road, will be maintained in good repair.

In either case, clean up of the site will include burning any safely burnable material, filling of all pits, carrying away of all non-burnable material and chemicals that can not be buried. Any oil that has accumulated on the pits will be trucked away.

11) Other information:

General topography of the area may be seen on the attached map.

The drilling site is flat and is covered with sage brush and other native grasses. There are no creeks, rivers or ponds in the area. The soil is sandy loam. Small animals and sheep inhabit the area.

The surface is part of the Navajo Irrigation Project, administered by the Bureau of Indian Affairs.

There are no occupied dwellings in the area.

There are no archaeological or cultural sites visible on the location. The archaeologist report is forth coming.

12)

John Alexander  
3E Company, Inc.  
P.O. Box 190  
Farmington, NM 87401  
Phone: 505-327-4020

- 13) I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Dome Petroleum Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

8-1-78

John Alexander

John Alexander

Should further information be desired, please advise.

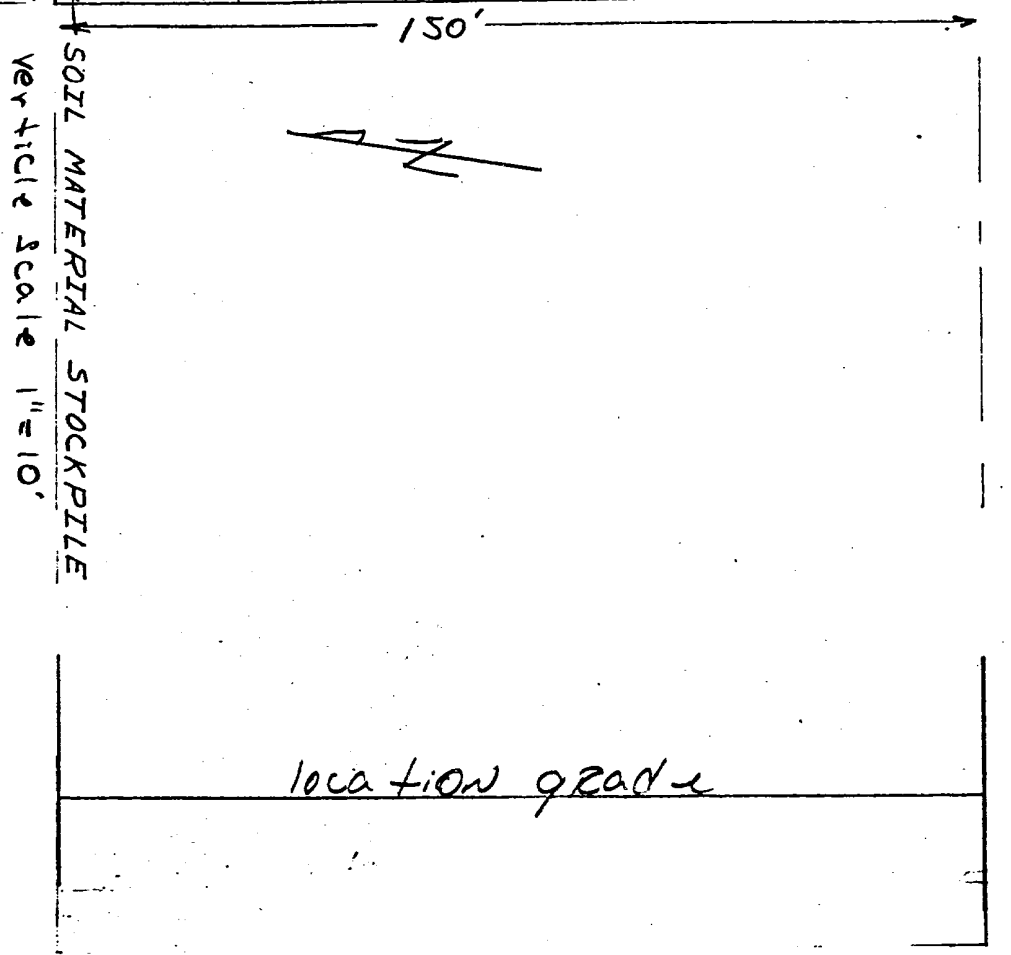
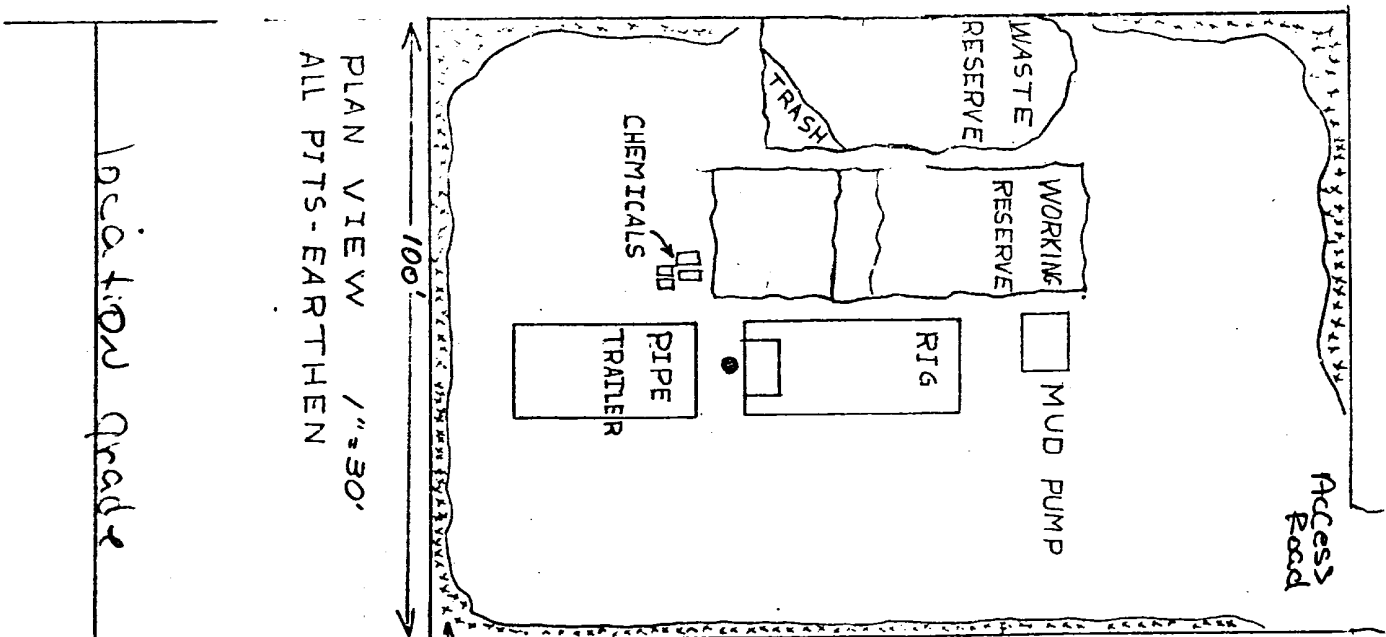
Yours very truly,

John Alexander

John Alexander

JA:dew

Attachments



WELL SITE LAYOUT

Dome Petroleum Corporation

Federal 24 #1

