

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 ☐

## 2. NAME OF OPERATOR

Dome Petroleum Corp.

## 3. ADDRESS OF OPERATOR

501 Airport Dr., Suite 107, Farmington, NM 87401

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

At surface 990' FNL, 1520' FWL

At proposed prod. zone

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

25 miles south of Farmington, New Mexico

## 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.)

6036' 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"         | 23#             | 100'          | 75 sacks (circulated)  |
| 6 1/2"       | 4 1/2"         | 10.5#           | 1500'         | 175 sacks (circulated) |

Move in rotary tools. Drill 12 1/4" hole to 100'. Set 100' of new 8 5/8", 23#, K55 casing. Cement with 75 sacks class "B" cement w/2% CaCl. Wait 12 hours on cement. Install 6" 900 series 3000# test Regan type K blowout preventer. Test to 500 psi before drilling out from under surface pipe. Check rams daily. Drill 6 1/2" hole to T.D. The geologic name of the surface formation is Ojo Alamo. Gas is expected in the Pictured Cliff. All other formations are probably water bearing. Pertinent formation tops are estimated as Farmington 370'; Fruitland 825'; Pictured Cliff 1130'. Mud system will be low solids non dispersed. Mud weight 8.8-9.2 #/gal., fluid loss 8-10cc, viscosity 30-50 sec./quart. No abnormal temperatures or pressures are anticipated. Logging program will be DIL, FDC/CNL/GR with Caliper Log. If productive 4 1/2", 10.5#, K55 casing will be run and cemented with 125 sacks 65/35 Pozmix w/6% gel and 10# Gilsonite/sx. Followed with 50 sacks class "B" cement with 2% CaCl. Drilling should require approximately 7 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 location, measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

H. D. HOLLINGSWORTH

TITLE Drlg. &amp; Prod. Foreman

DATE 4/25/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DEVELOPMENT (EXCEPT AS OTHERWISE NOTED) ARE  
SUBJECT TO THE FOLLOWING CONDITIONS:  
"CERAMIC TILE LINING"

NMOCC

uh End

30-075-24394

## 5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-7480

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Dome Navajo 24-26-13

## 9. WELL NO.

41

## 10. FIELD AND POOL, OR WILDCAT

WAW Fruitland-Pictured Cliff EXT

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

Sec. 24, T26N, R13W

## 12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 20. ROTARY OR CABLE TOOLS

Rotary

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

May 15, 1980

## OIL CONSERVATION DIVISION

P. O. BOX 2088

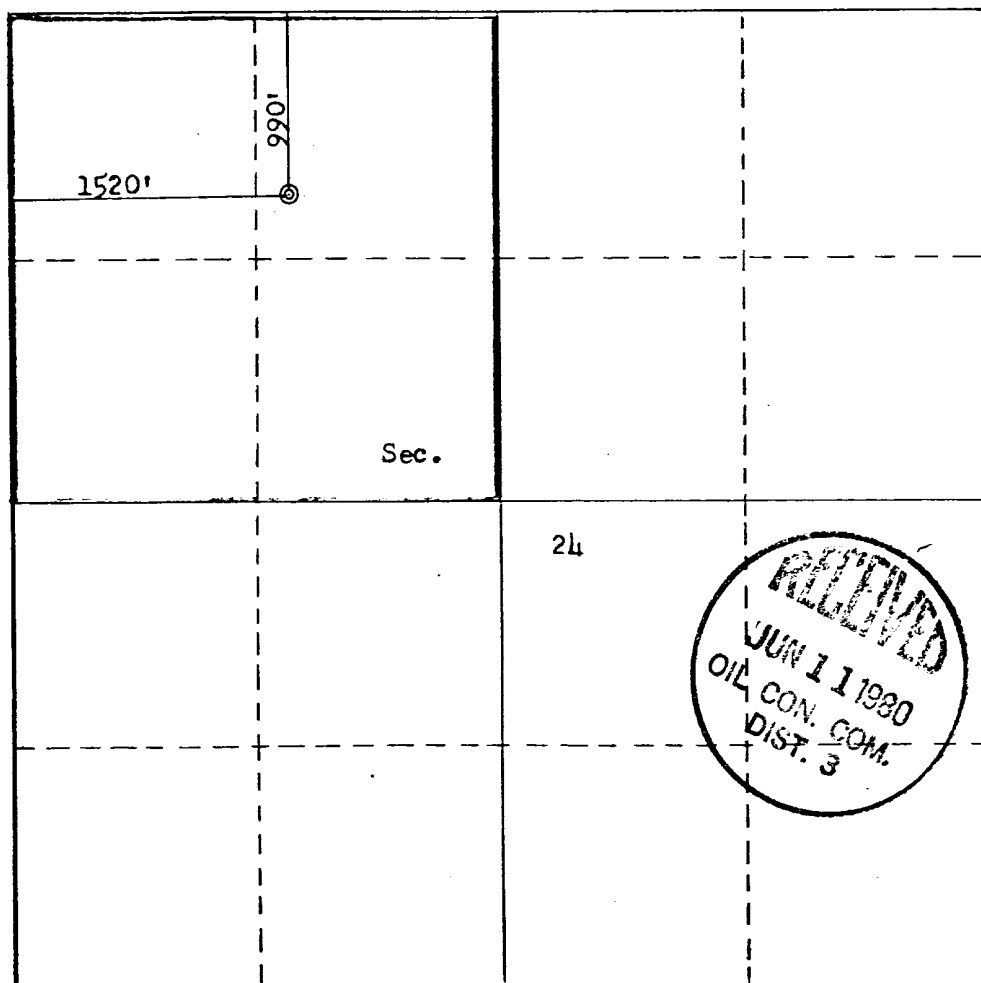
STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

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

|  |  |                        |   |                           |  |
|--|--|------------------------|---|---------------------------|--|
| Operator<br><b>DOME PETROLEUM CORPORATION</b>  |  |                        | Lease<br><b>DOME-NAVAJO 24-26-13</b>        |                           | Well No.<br><b>4-1</b>                 |
| Unit Letter<br><b>C</b>  | Section<br><b>24</b>                         | Township<br><b>26N</b> | Range<br><b>13W</b>                         | County<br><b>San Juan</b> |  |
| Actual Footage Location of Well:<br><b>990</b> feet from the <b>North</b> line and <b>1520</b> feet from the <b>West</b> line  |  |                        |   |                           |  |
| Ground Level Elev.<br><b>6036</b>  | Producing Formation<br><b>PICTURED CLIFF</b> |                        | Pool<br><b>WAW FRUITLAND-PICTURED CLIFF</b> |                           | Dedicated Acreage:<br><b>160</b> Acres |
| <p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p> |  |                        |   |                           |  |



## CERTIFICATION

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

Name

**H. D. HOLLINGSWORTH**

Position

**DRLG. & PROD. FOREMAN**

Company

**DOME PETROLEUM CORP.**

Date

**APRIL 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

**April 24, 1980**Registered Professional Engineer  
and/or Land Surveyor**Fred R. Zerk Jr.**

Certificate No.

**3950**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



# DOME PETROLEUM CORP.

SUITE 1400, COLORADO STATE BANK BLDG.

1600 BROADWAY

DENVER, COLORADO 80202

DEVELOPMENT PLAN FOR SURFACE USE

TELEPHONE  
(303) 861-1230

Dome Navajo 24-26-13 #4R  
990' FNL, 1520' FWL  
Sec. 14, T26N, R13W  
San Juan County, New Mexico

## 1. EXISTING ROADS

The main road to the location is that from Farmington toward Bisti (Bisti Highway), leaving this road approximately 23 miles south of Farmington and using existing side roads to the location.

## 2. PLANNED ACCESS ROADS

The access road, to be routed as shown on the attached map, will be 18' wide with adequate ditch and water bars.

## 3. EXISTING WELLS

Existing wells within one mile of location are shown on the attached topographic map.

## 4. LOCATION OF PROPOSED FACILITIES

Development of commercial gas production will require separation facilities on the location pad. Equipment and pits will be fenced as required for protection of livestock and wildlife. Above ground facilities will be painted brown or grey to blend in with the surrounding area as specified by the BLM. The disturbed areas no longer needed for operations after well completion will be restored to natural contour and reseeded.

## 5. LOCATION AND TYPE OF WATER SUPPLY

To be hauled from El Paso Natural Gas Co. water pit at Chaco Gas Plant, approximately 3 miles east.

## 6. SOURCE OF CONSTRUCTION

Not applicable.

## 7. METHOD OF HANDLING WASTE MATERIAL

All garbage and trash that can be burned shall be burned. All trash that cannot be burned will be contained in a trash pit and covered with a minimum of 24 inches of dirt. All drilling waste such as cuttings, overflows of oil, water and drilling fluids will be contained in the reserve pit and buried with adequate cover upon completion of operations. The reserve pit will be fenced until cleanup operations are commenced. Toilet facilities will be provided.

## 8. ANCILLARY FACILITIES

No camps or airstrips are proposed for this location.

9. WELL SITE LAYOUT

See attached diagram.

10. PLANS FOR RESTORATION OF SURFACE

Cleanup of the location will commence immediately following the removal of the drilling equipment. The reserve pit will be fenced until restoration operations are commenced. The location will be returned to original contour if the well is not productive. Both the road and location will be reseeded in accordance with BLM specifications.

11. OTHER INFORMATION

Topography consists of rolling hills with very sandy soil. Vegetation is composed of Snake Weed, Mormon Tea, Yucca, Prickly Pear and Blue Gramma.

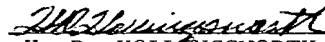
12. LEASEE'S OR OPERATOR'S REPRESENTATIVE

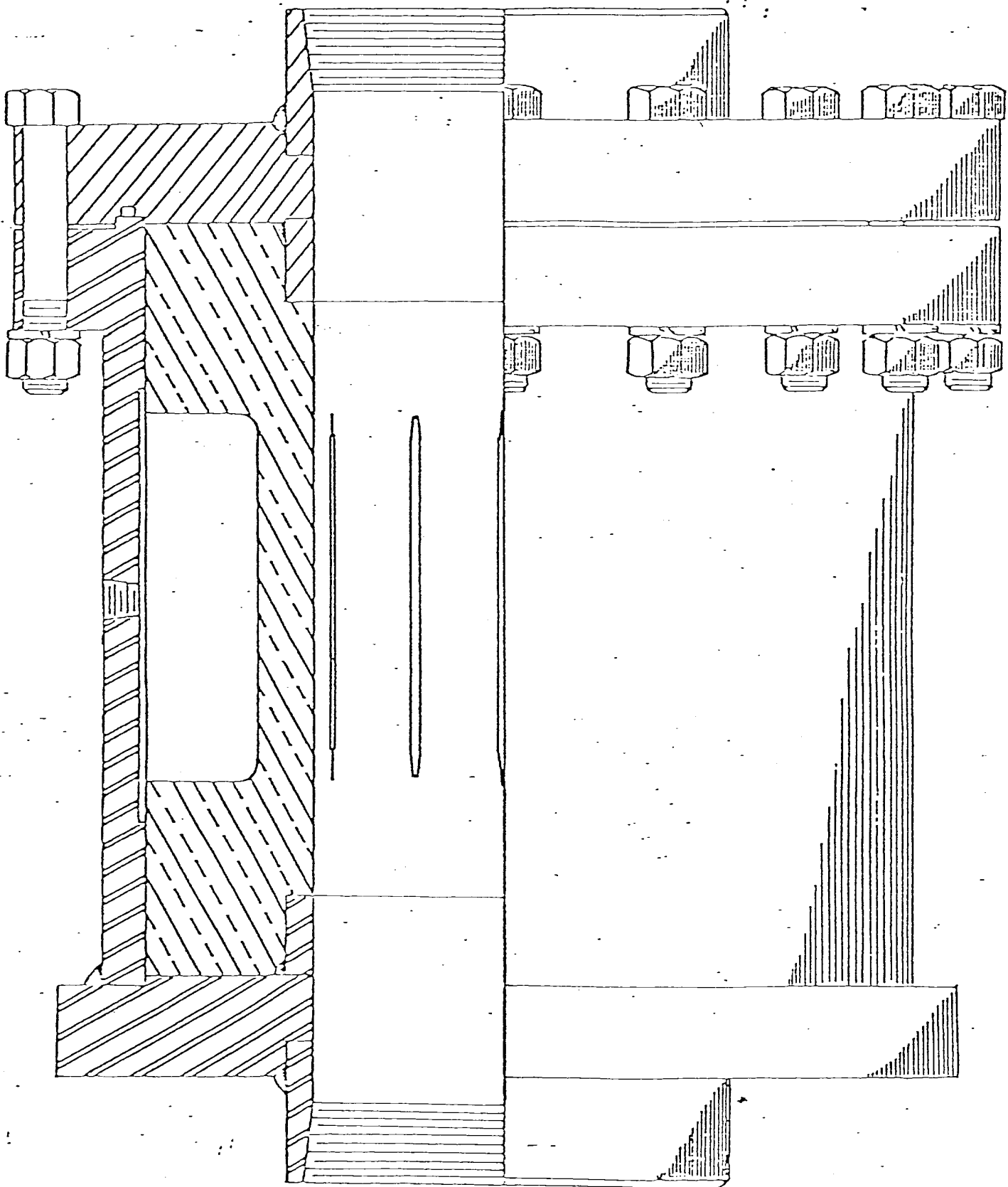
Dome Petroleum Corporation  
H. D. Hollingsworth  
501 Airport Drive, Suite 107  
Farmington, New Mexico 87401

Phone: 505-325-2897 Office  
505-327-1548 Home

13. CERTIFICATION

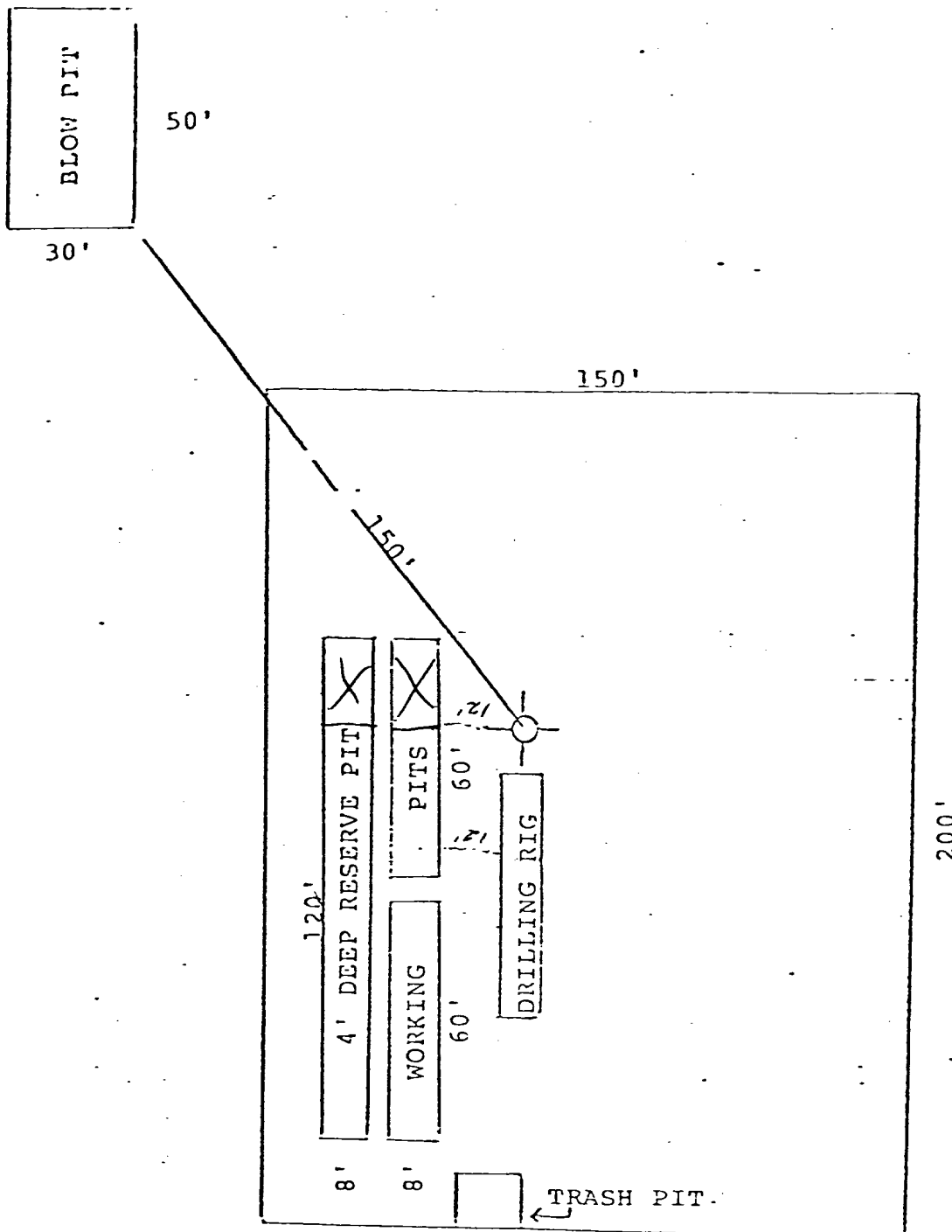
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated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

  
H. D. HOLLINGSWORTH  
Drilling & Production Foreman  
Dome Petroleum Corporation



3000 PSI API WORKING PRESSURE

SCHEMATIC DIAGRAM OF THE 11 IN. 300 SERIES DEEPWELL HEAD



# DOME PETROLEUM CORP.

SUITE 1500, COLORADO STATE BANK BLDG.

1600 BROADWAY

DENVER, COLORADO 80202

