

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 9782	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Dome Petroleum Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Minerals Management Inc., Suite 105, 501 Airport Drive, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Federal 24-21-6	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FSL, 2310' FWL, SEC. 24, T21N, R6W At proposed prod. zone		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles southeast of Counselors Trading Post		10. FIELD AND POOL, OR WILDCAT Wildcat - Entrada	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 330		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA SEC. 24, T21N, R6W NMPM	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Sandoval	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. --		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6917' GL		22. APPROX. DATE WORK WILL START* November 30, 1977	

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 1/4	9 5/8	36	200	200
8 3/4	7	20, 23, 26	6650	by caliper log

Dome Petroleum Corporation (Operator) proposes to drill a Jurassic test to 6650'. Completion will be determined from Logs. A Series 900 (3000 psi) WP Blowout Preventer will be used. The BOP will be tested to 500 psi before drilling surface plug. The geologic name of the surface formation is Mesa Verde. Pertinent formation tops are estimated as Point Lookout 3200', Gallup 4180', Graneros 5225', Dakota 5400', Entrada 6365'. Drill stem test will be taken where necessary for evaluation. No abnormal pressures or temperatures are anticipated. Drilling should require approximately 15 days.

*Confidential*

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 [Signature] Area Manager  
TITLE Minerals Management Inc. DATE 11-3-77

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:*[Signature]*

\*See Instructions On Reverse Side

**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.

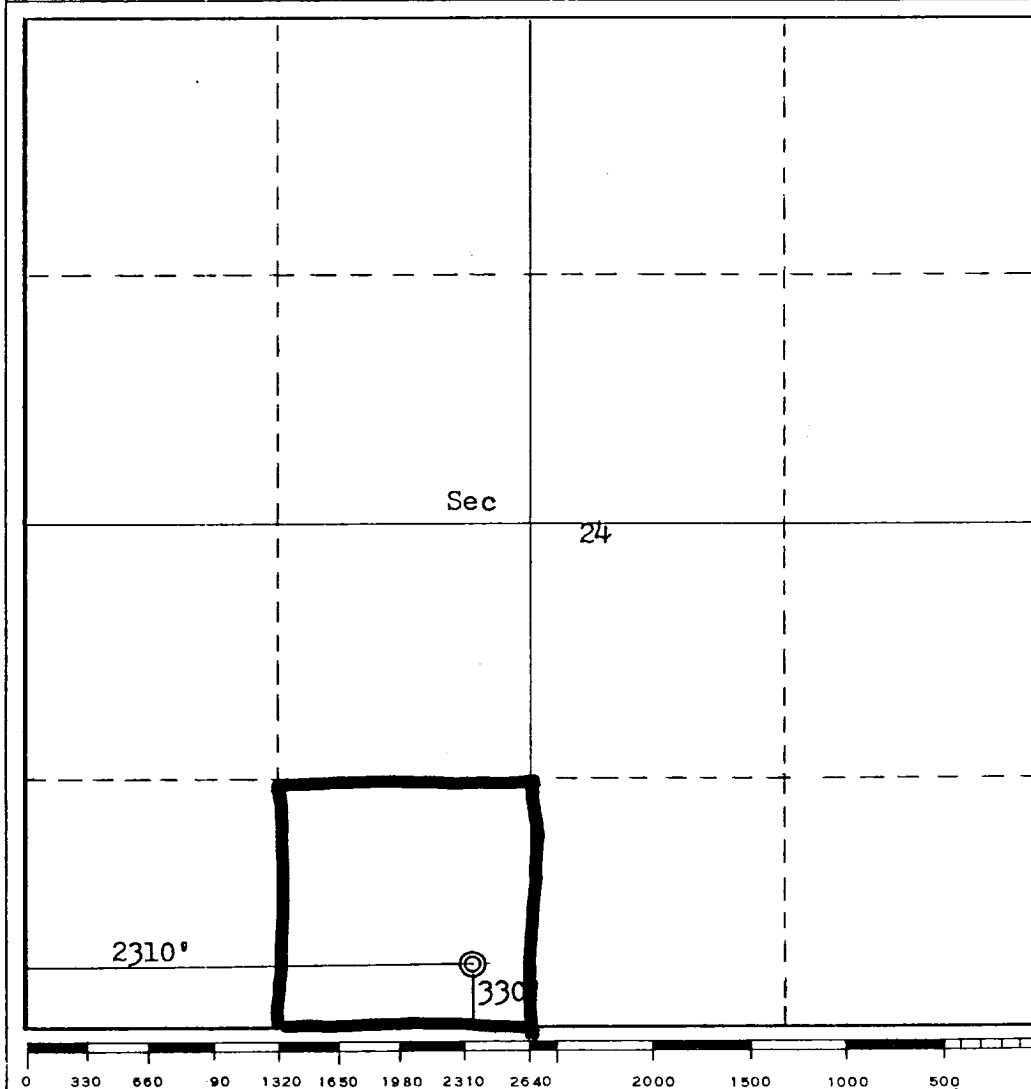
Operator <b>Dome Petroleum Corporation</b>			Lease <b>Federal 24-21-6</b>		Well No. <b>1</b>
Unit Letter <b>N</b>	Section <b>24</b>	Township <b>21N</b>	Range <b>6W</b>	County <b>Sandoval</b>	
Actual Footage Location of Well: <b>330</b> feet from the <b>South</b> line and <b>2310</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6917</b>	Producing Formation <b>Entrada</b>		Pool <b>Wildcat</b>		Dedicated Acreage: <b>40</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.

Name  
**W. E. Landry**  
**Area Manager**  
**Minerals Management Inc.**

Company  
**11-3-77**

Date

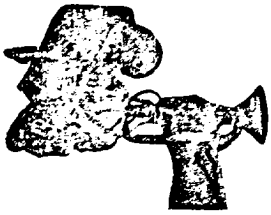
I hereby certify that the well location shown on this plat was obtained from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**November 1, 1977**

Registered Professional Engineer  
and/or Land Surveyor

**Fred B. Kerr Jr.**

Certificate No.  
**3950**



MINERALS MANAGEMENT INCORPORATED  
A Division of SCIENTIFIC SOFTWARE CORPORATION

DEVELOPMENT PLAN FOR SURFACE USE

DOME PETROLEUM CORPORATION

FEDERAL 24-21-6 WELL NO. 1

330' FSL, 2310' FWL, SEC. 24, T21N, R6W

SANDOVAL COUNTY, NEW MEXICO

1. Existing Roads

The main road to location is that from Counselors Trading Post to Ojo Encino School, as shown on the attached topographic map.

2. Planned Access Roads

The access road will be the main road.

3. Location of Existing Wells

None

4. Location of Proposed Facilities

Flow lines and tank battery will be on the location pad. Equipment and pits will be fenced as required for protection of livestock and wildlife.

5. Location and Type of Water Supply

To be hauled from BLM water well.



6. Source of Construction Materials

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

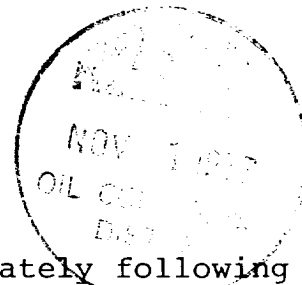
No camps or airstrips are proposed for this location.

9. Well Site Layout

See the 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

This location is on sparsely vegetated sandy flat and wash. Vegetation consists principally of sagebrush and native grasses. There is no water source in the immediate area. The wash will be diverted due to the need to spot the location at the exact point.


12. Lessee's or Operator's Representative

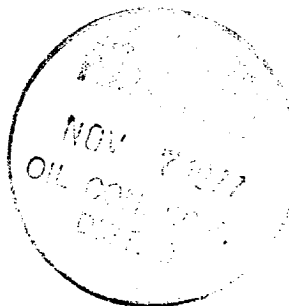
Minerals Management Division, Scientific Software Corporation,  
501 Airport Drive, Suite 105, Farmington, New Mexico 87401.

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this 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 subcontractors in conformity with this plan and the terms and conditions under which it is approved.

November 3, 1977  
Date

  
Area Manager  
Name and Title  
Scientific Software Corporation  
Minerals Management Division  
Company



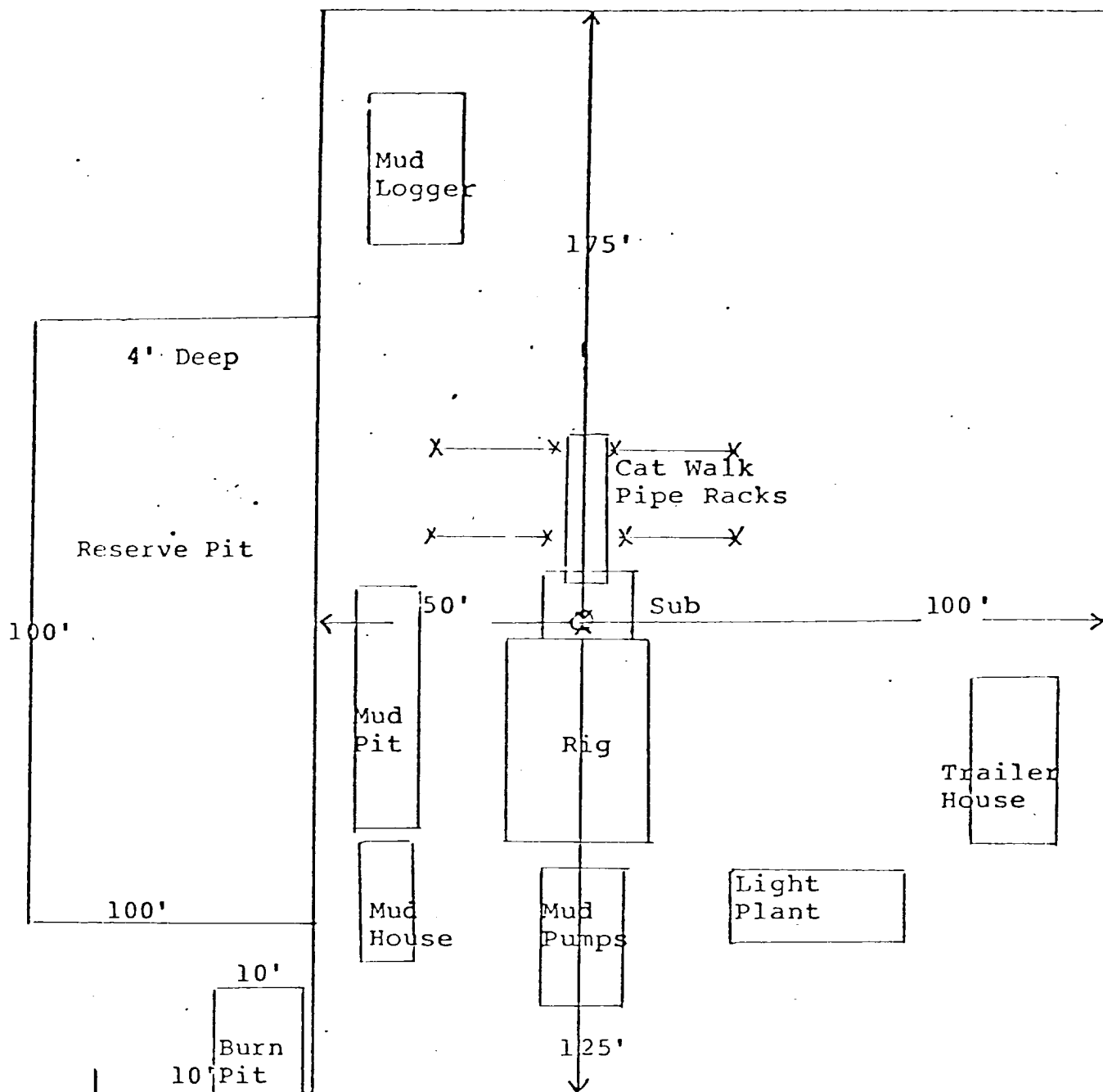
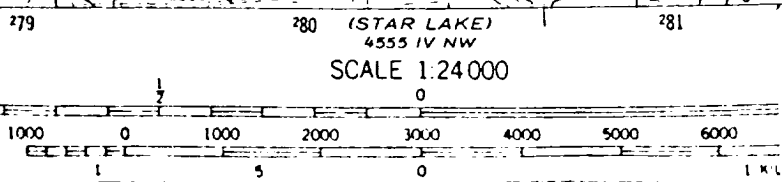
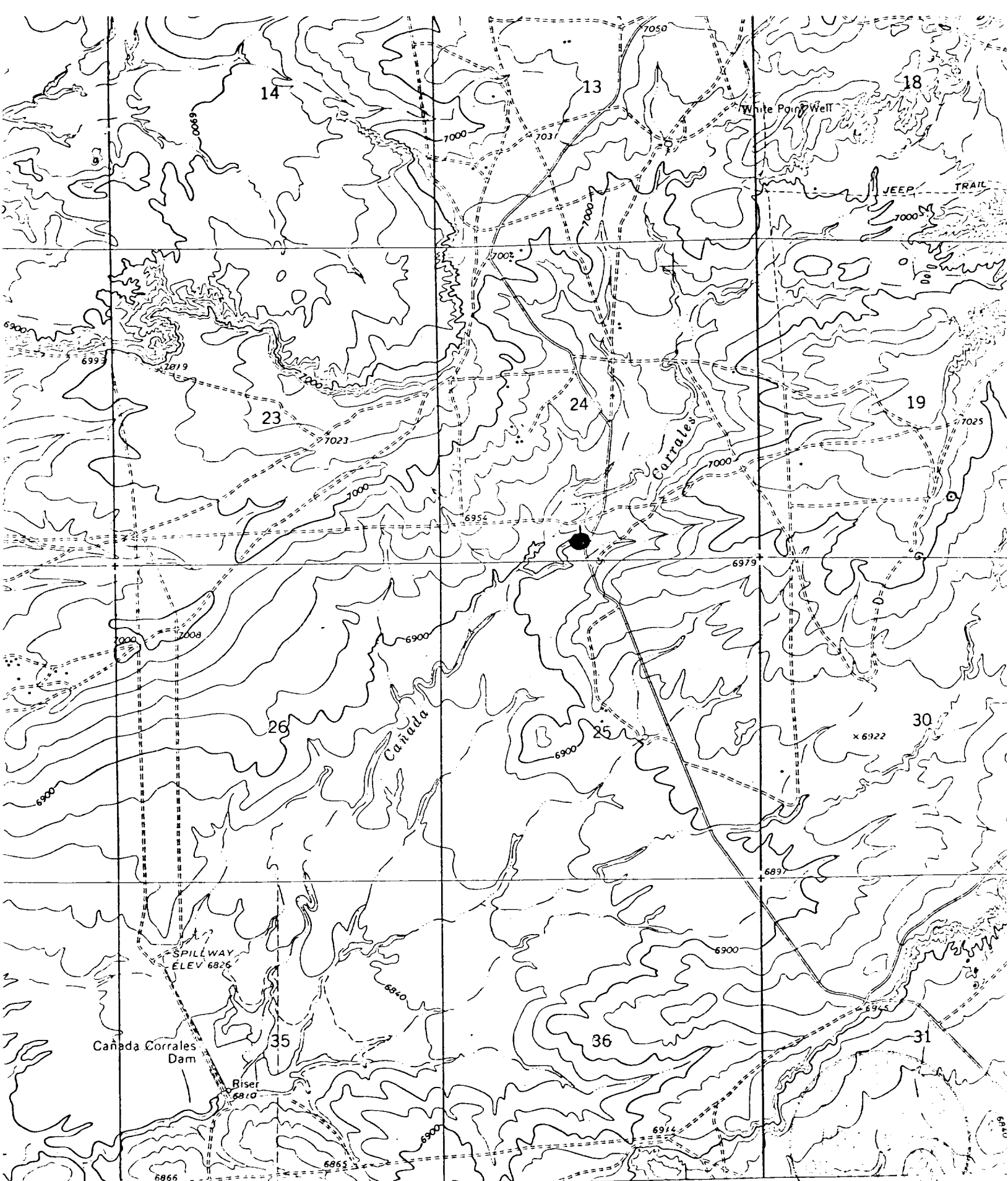


DIAGRAM OF WELL LOCATION  
AND DRILLING RIG LAYOUT





Vicinity Map for  
DOME PETROLEUM CORP. #1 FEDERAL 24-21-6  
330'FSL 2310'FWL Sec 24-T21N-R6W  
SANDOVAL COUNTY, NEW MEXICO