

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 5980		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <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 21-20-5		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 930' FSL, 520' FWL, SEC. 21, T20N, R5W At proposed prod. zone		9. WELL NO. 3		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 38 miles southwest 44 Trading Post		10. FIELD AND POOL, OR WILDCAT Ojo Encino - Entrada		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 21, T20N, R5W NMPM		
16. NO. OF ACRES IN LEASE 480		12. COUNTY OR PARISH McKinley		
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. 2113'		20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6770' GR (est.)		22. APPROX. DATE WORK WILL START*		
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10 3/4 new	32.75	200'	200 sx
8 3/4"	7" new	23.00	6200'	300-500 sx (2 stage)

Dome Petroleum Corporation (Operator) proposes to drill a Jurassic test to 6200'. Completion will be determined from Logs. A Series 900 (3000 psi) WP blowout preventer will be used. The BOP will be tested before drilling surface plug. The geologic name of the surface formation is Mesa Verde. Pertinent formation tops are estimated as Point Lookout 2746', Gallup 3544', Graneros 4786', Dakota 4927', Entrada 5880'. Drill stem tests will be taken where necessary for evaluation. No abnormal pressures and 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 9-21-77

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

RECEIVED

SEP 26 1977

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

**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.

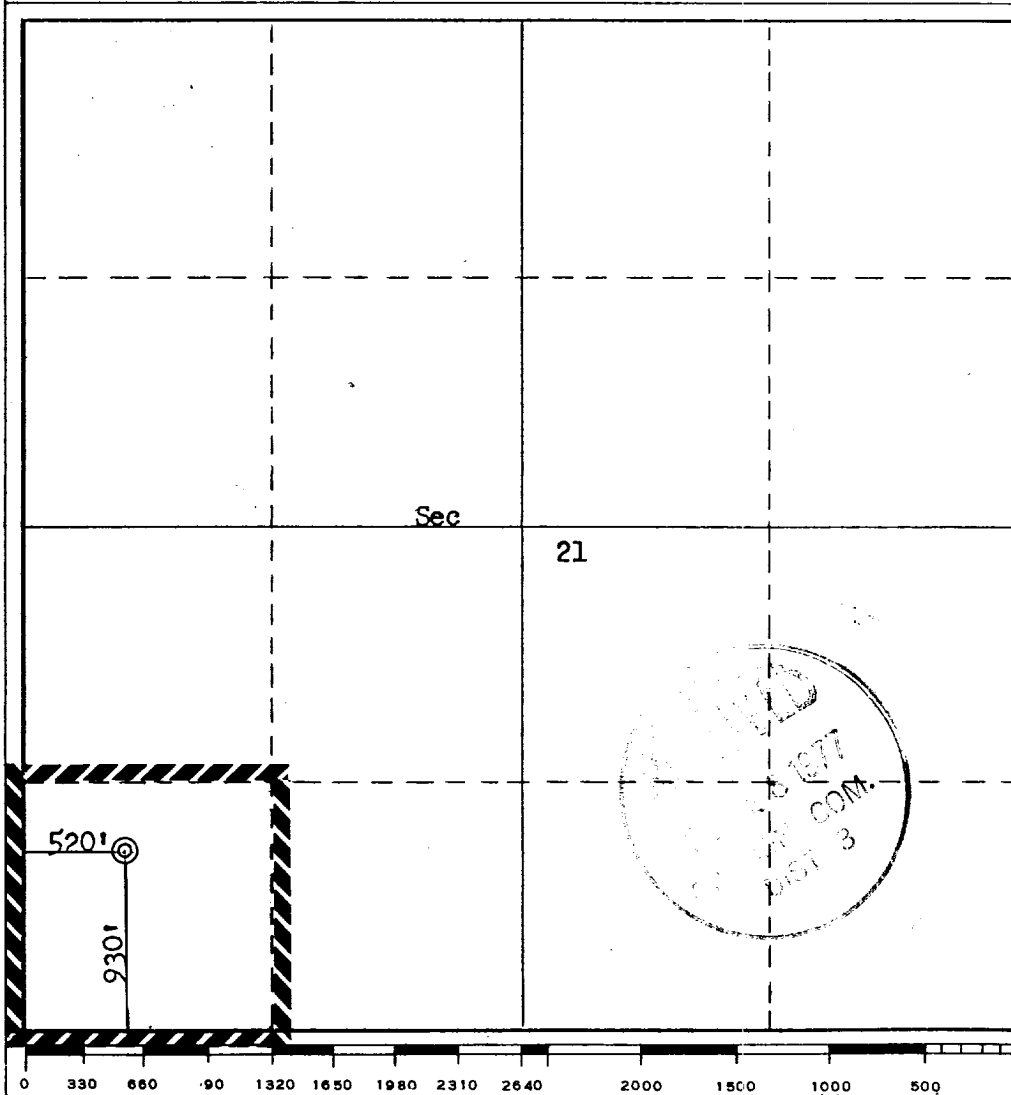
Operator Dome Petroleum Corporation			Lease Federal 21		Well No. 3
Unit Letter M	Section 21	Township 20N	Range 5W	County McKinley	
Actual Footage Location of Well:					
930		feet from the South	line and	520	feet from the West line
Ground Level Elev. 6785	Producing Formation Entrada		Pool Ojo Encino - Entrada		Dedicated Acreage: 40 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
Area Manager
Scientific Software Corp.
Minerals Management Div.
Company
9-23-77

Date

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 22, 1977
Registered Professional Engineer
and/or Land Surveyor

Fred B Kerr
Fred B Kerr

Certificate No.

3950

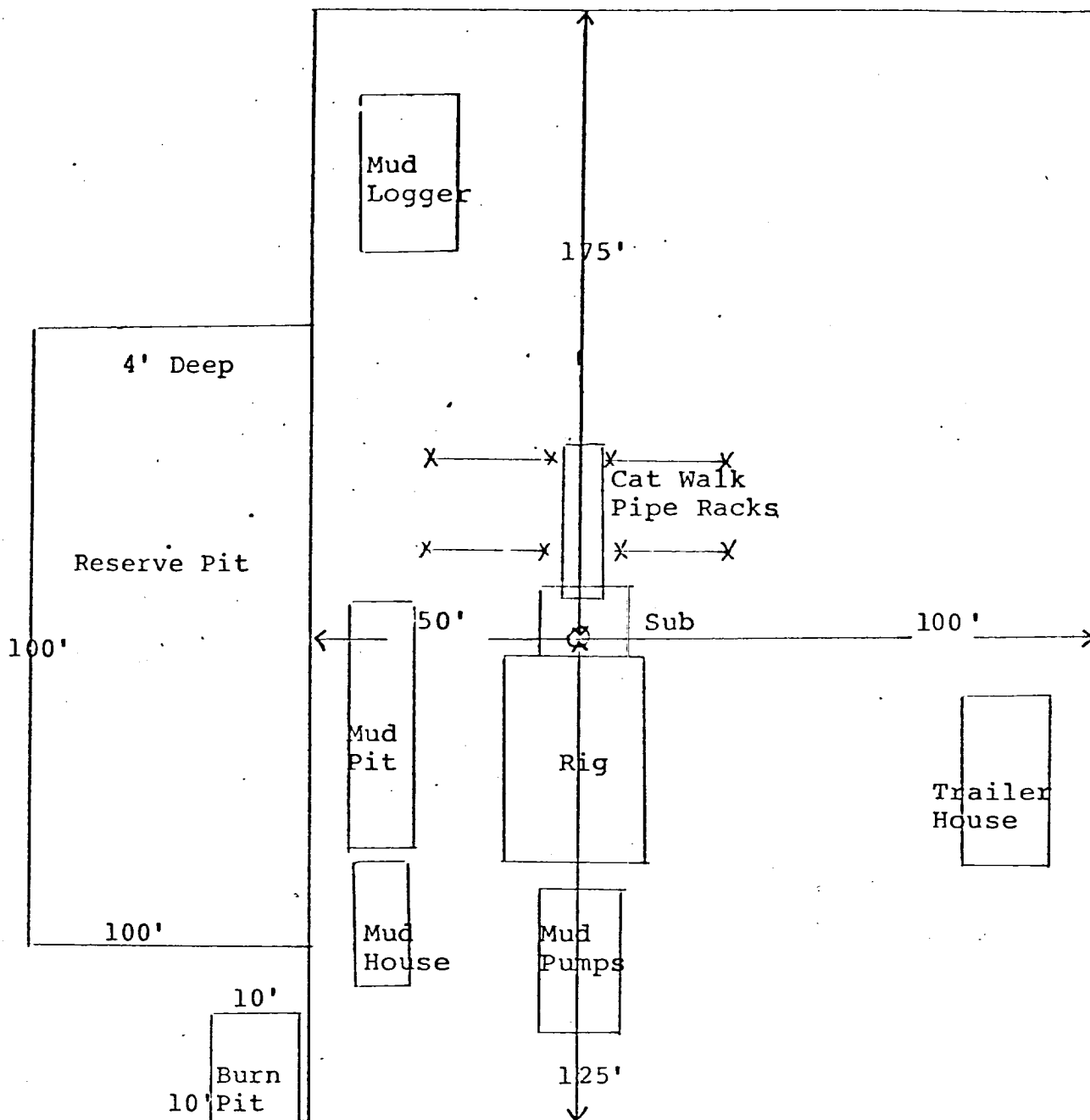
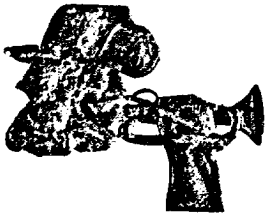


DIAGRAM OF WELL LOCATION
AND DRILLING RIG LAYOUT



MINERALS MANAGEMENT INCORPORATED
A Division of SCIENTIFIC SOFTWARE CORPORATION

DEVELOPMENT PLAN FOR SURFACE USE

DOME PETROLEUM CORPORATION

FEDERAL 21-20-5 WELL NO. 3

930' FSL, 520' FWL, SEC. 21, T20N, R5W

MCKINLEY COUNTY, NEW MEXICO

1. Existing Roads

The existing roads from 44 Store Trading Post to Star Lake Compressor Station and the Ojo Encino School will be used. The location will be approximately 2 miles west of the Ojo Encino School.

2. Planned Access Road

As per topographic map, approximately 300' of new road will be built from the main road to the location.

3. Location of Existing Wells

Dome Federal 21 Well No. 1 NE/SW Sec. 21, T20N, R5W
Dome Federal 21 Well No. 2 NE/SW Sec. 21, T20N, R5W

4. Location of Tank Batteries and Flow Lines

Will be initially located on location pad approximately 150' from well if production is encountered.

5. Water Supply

Water will be hauled to location from Petro-Lewis Media Dome water well.

6. Source of Construction Materials

Not applicable.

7. Methods of Handling Waste Disposal

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 4' of cover. All production waste such as cuttings, chemicals, overflows of oil, water, and drilling fluids shall be contained in the reserve pit and on completion of drilling activities buried with a minimum of 4' of cover. The reserve pit will be fenced until cleanup operations are commenced. A portable toilet will be provided for human waste.

8. Ancillary Facilities

There are no ancillary facilities planned for this location.

9. Well Site Layout

See attached location layout plat.

10. Plans for Restoration of the Surface

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

11. Other Information

Impact on the environment will be minimal. The access road and well location is sparsely vegetated and minimal disturbance will be required.


12. Lessee's or Operator's Representative

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

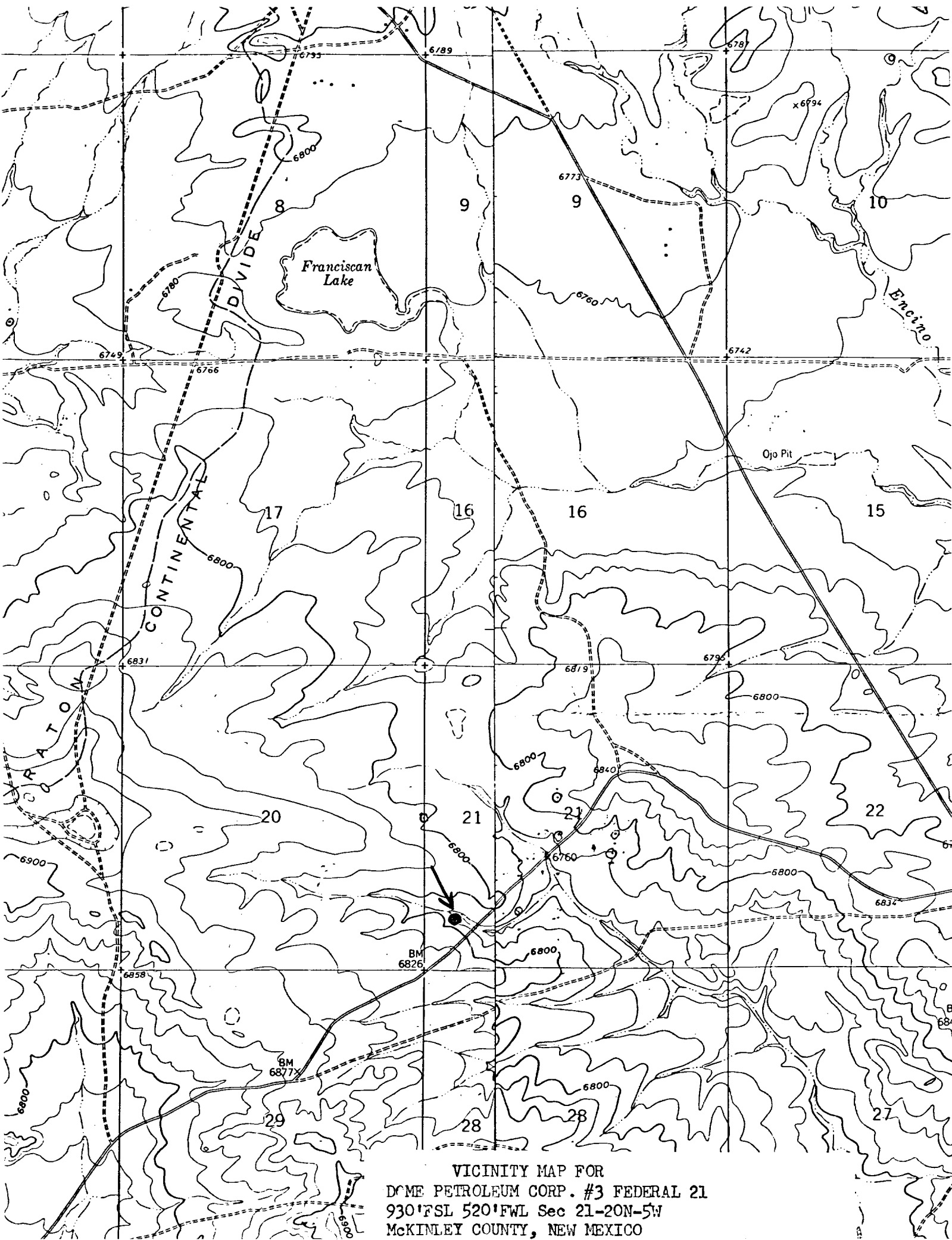
13. Certification

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.

September 21, 1977

 Area Manager
Name and Title

Scientific Software Corporation
Minerals Management Division
Company



VICINITY MAP FOR
DOME PETROLEUM CORP. #3 FEDERAL 21
930' FSL 520' FWL Sec 21-20N-5W
MCKINLEY COUNTY, NEW MEXICO