



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1357
Roswell, New Mexico 88201

June 27, 1973

Mr. Robert N. Enfield
P. O. Box 2431
Santa Fe, New Mexico 87501

Dear Mr. Enfield:

Your Application for Permit to Drill well No. 1 Federal 1-23 in the NE 1/4 sec. 23, T. 20 S., R. 33 E., Lea County, New Mexico, lease New Mexico 0391955, to a depth of 3,600 feet to test the Yates formation in the Potash Area is hereby approved.

One copy of the application is returned herewith. Please notify the District Engineer, Geological Survey, P. O. Box 1157, Hobbs, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(CNC)

CARL C. TRAYWICK
Acting Area Oil & Gas Supervisor

Enclosure

cc: Denver
Mining Branch (2)
NMOCC - Hobbs (2) (w/2 c's Notice) ✓
Hobbs
Roswell (2)

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

Robert N. Enfield

3. ADDRESS OF OPERATOR

P. O. Box 2431, Santa Fe, N.M. 87501

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

At surface

1980' FSL 660' FEL Sec. 28, T-20S, R-33E

At proposed prod. zone

Yates

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

4½ S & E of Halfway

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

none

19. PROPOSED DEPTH

3,600

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3620'

22. APPROX. DATE WORK WILL START*

6-29-73

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15 "	12 5/8 "	32 #	250'	200 sx circulated
6 3/4 "	4 1/2 "	9.5 #	3,600'	200 PER WATERGATE

Will use native mud and some gel.

B.O.P. Double Shaeffer 10" - 900 Series Hyd/ 6000#.

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

TITLE Operator

DATE 6/10/73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well. Consult State or Federal office for specific instructions.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**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.

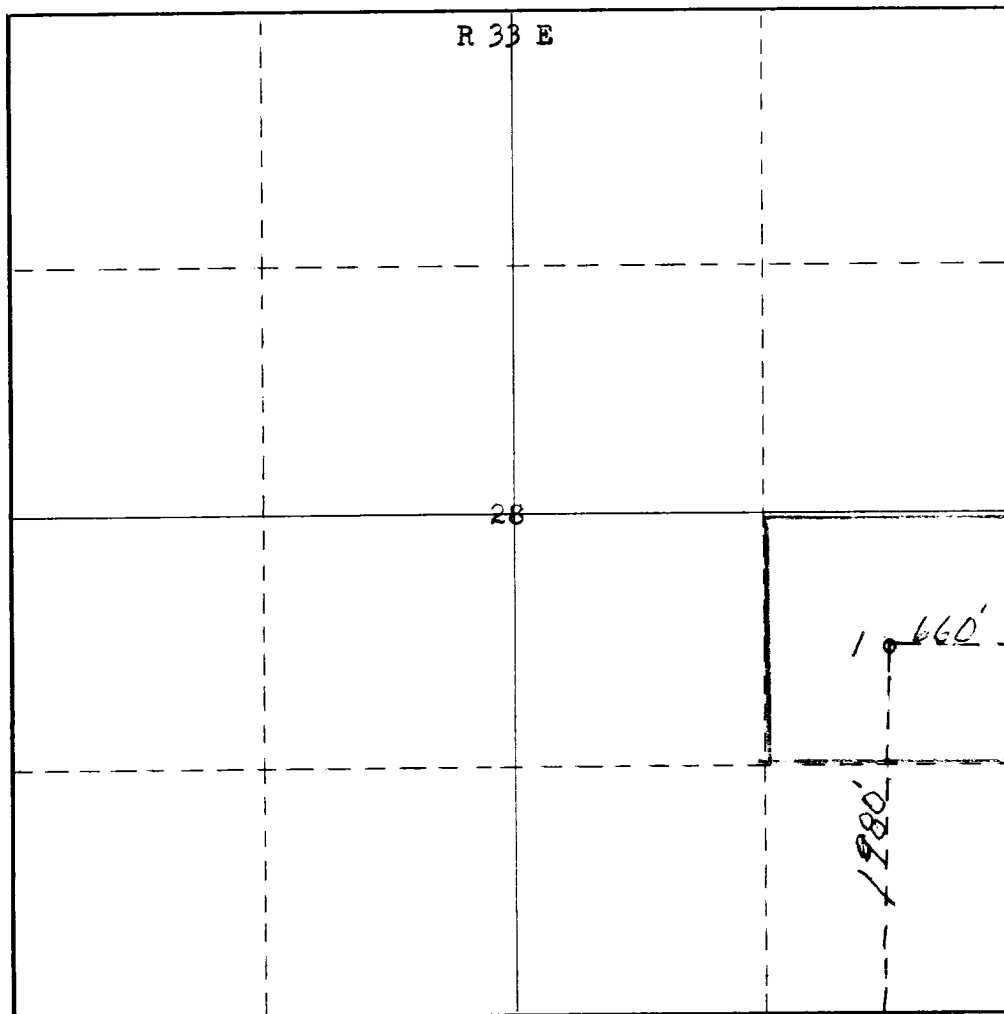
Operator ROBERT N. ENFIELD			Lease FEDERAL		Well No. 1 - 28
Unit Letter I	Section 28	Township 20 South	Range 33 East	County Lea	
Actual Footage Location of Well: 1980 feet from the South line and 660 feet from the East line					
Ground Level Elev. 3620	Producing Formation Yates	Pool Wildcat	Dedicated 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.



CERTIFICATION

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

Robert N. Enfield
Name

Robert N. Enfield

Position

Operator

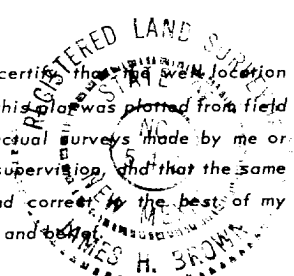
Company

ROBERT N. ENFIELD

Date

June 10, 1973

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

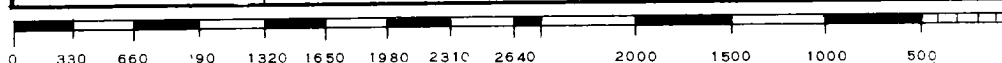
June 7th, 1973

Registered Professional Engineer and/or Land Surveyor

James H. Brown

Certificate No.

542



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20
S



United States Department of the Interior

GEOLOGICAL SURVEY
Artesia, New Mexico 88210

April 1, 1972

INSTRUCTIONS FOR SUBMITTING APPLICATIONS TO DRILL ONSHORE OIL, GAS, OR GEOTHERMAL STEAM WELLS ON PUBLIC DOMAIN AND ACQUIRED LANDS

Each application for permit to drill must be accompanied by a development plan for surface use which should include information in regard to:

- | | |
|--|---------------------------|
| 1. Existing roads. | See Plat I. |
| 2. Planned access roads. | See Plat I, approx. 300'. |
| 3. Location of wells. | See Plat I. |
| 4. Lateral roads to wells locations. | See Plat I. |
| 5. Location of tank batteries and flowlines. | See Plat 2. |
| 6. Locations and types of water supply. | Hauled in. |
| 7. Methods for handling waste disposal. | Burn Pit. |
| 8. Location of camps. | None. |
| 9. Location of airstrips. | None. |
| 10. Location layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc. | See Plat 2. |
| 11. Plans for restoration of the surface. | Clean up and level. |
| 12. Any other information which the Approving Official considers essential to his assessment of the impact on the environment. | |

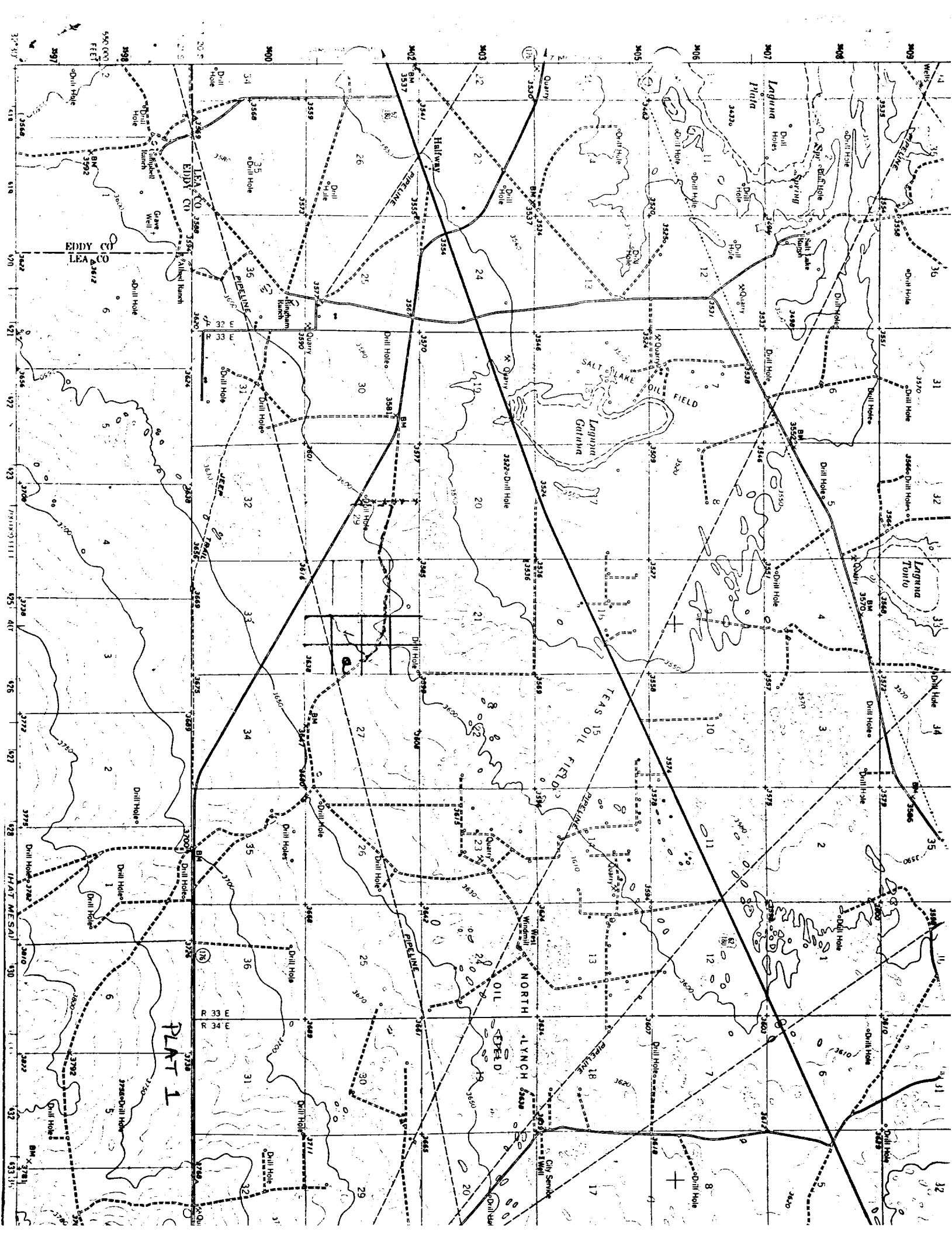
The affected Federal and State surface managing agencies shall have access to or, if feasible, may be provided with copies of such development plans.

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED

JUN 23 1964

OIL CONSERVATION COMM.
HOBBES, N. H.

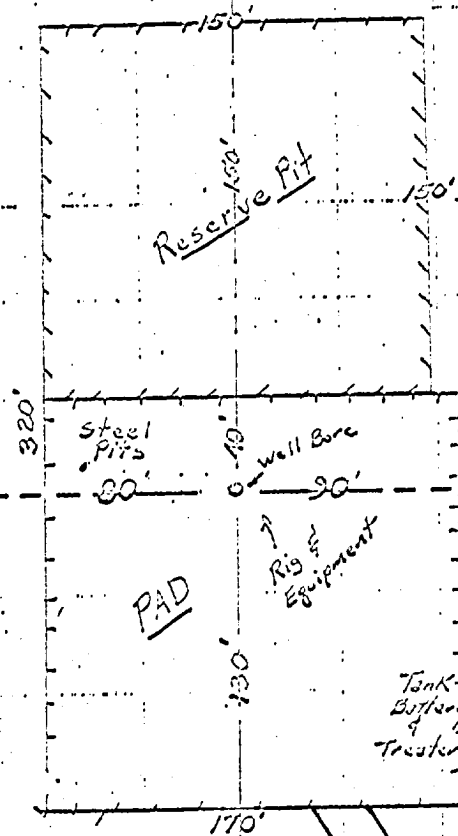


RECEIVED

JUL 13 1970

OIL CONSERVATION COMM.
HOUSTON, TEXAS

SEC. 28



R. 23 E

ROBERT N. ENFIELD

FED #1-28

T. 20 S.

PLAT 2

RECEIVED

JUN 23 1970

OIL CONSERVATION COMM.
HOUSTON, TEX.