

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 ☐			5. LEASE DESIGNATION AND SERIAL NO. W4-0556225	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Sun Oil Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1361, Midland, Texas 79701			8. FARM OR LEASE NAME Sandoval-Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FNL & 2310' FWL of Section 24 At proposed prod. zone Same			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 18 miles Southwest of Cuba			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330-ft.			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T18N, R3W	
16. NO. OF ACRES IN LEASE 200			12. COUNTY OR PARISH Sandoval	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. First Well			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Ground 6562.0 ft.			22. APPROX. DATE WORK WILL START* Dec. 10, 1970	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13-3/8	48#	350	Circulate
12-1/4	8-5/8	24 & 28#	4050	350 sacks
7-7/8	5-1/2	15.5 & 17#	TD	400 sacks

1. Set 13-3/8" OD Surface Casing at approximately 350. Circulate cement to surface.
2. Set 8-5/8" OD intermediate casing through the Entrada - estimated at 4050-ft. Use sufficient cement to cover bottom 1000-ft. Run electric logs before running casing.
3. Drill to anticipated total depth of 6650' in the Basement. Set 5-1/2" OD casing at total depth. Exact casing point to be determined by lower most producing zone.
4. Cement 5-1/2" casing with sufficient cement to extend minimum of 500' above uppermost productive interval.
5. Completion procedure to be determined by results of electric logs, cores, and/or drill stem tests.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present producing 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 W. E. Westbrook, Jr. TITLE Dist. Orig. Engineer DATE 11-13-70
(This space for Federal or State office use)

PERMIT NO. W APPROVAL DATE 2-1-1970
APPROVED BY W TITLE DATE 2-1-1970
CONDITIONS OF APPROVAL, IF ANY:

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.

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 ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Section

SUN OIL COMPANY

Sandoval-Federal

1

Unit in the Section

C

24

18 NORTH

3 WEST

SANDOVAL

Area of the Section of Acre

330

NORTH

2310

WEST

Area of the Section of Acre

6562.0

Penn Carbonates

Wildcat

40

Acres

Center of the well is located in the subject well section of the section of the plat below

a. If more than one well is located in the well section of the section of the plat below, then the bottom of the working interest and location

b. If more than one well is located in the well section of the section of the plat below, then the bottom of the working interest and location

c. If more than one well is located in the well section of the section of the plat below, then the bottom of the working interest and location

d. If more than one well is located in the well section of the section of the plat below, then the bottom of the working interest and location

No allowance will be made for the well section of the section of the plat below, then the bottom of the working interest and location

CERTIFICATION

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

W. E. Westbrook, Jr.
W. E. Westbrook, Jr.

Position

District Drilling Engineer

Company

Sun Oil Company

Date

November 18, 1970

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.

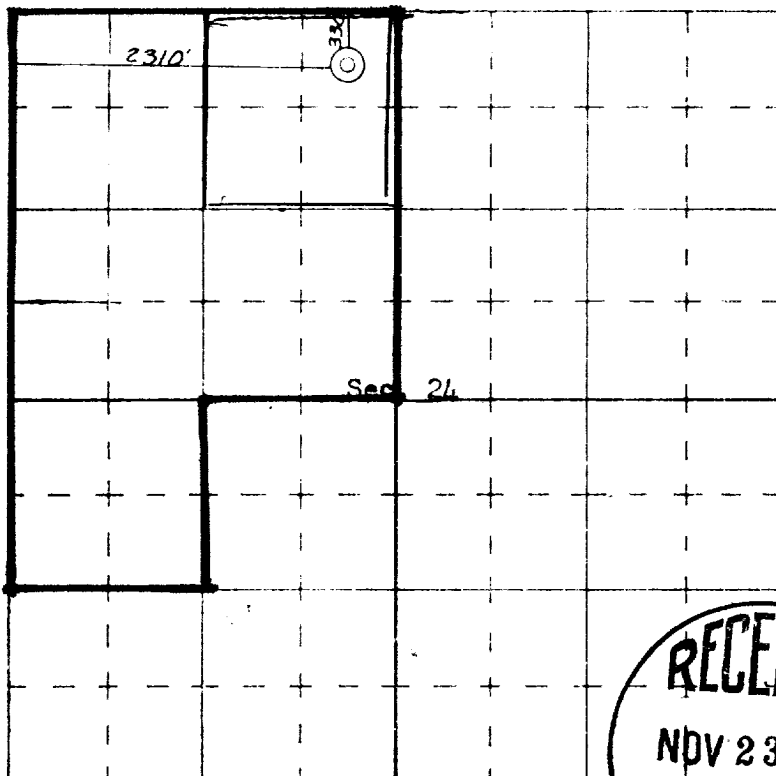
4 November, 1970

James P. Luese
James P. Luese
Professional Engineer
and/or Land Surveyor

JAMES P. LUESE

1463

Certificate No.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY,

FARMINGTON, N. M.

