

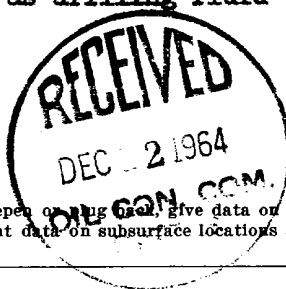
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. Federal SF 078357	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Austral Oil Company Incorporated			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2700 Humble Building Houston, Texas 77002			8. FARM OR LEASE NAME Federal (6443)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1450' from West line and 1450' from North line of Section 1 At proposed prod. zone Same			9. WELL NO. 1-1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles SE of Bloomfield			10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1190		16. NO. OF ACRES IN LEASE 960		17. NO. OF ACRES ASSIGNED TO THIS WELL 320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 163'		19. PROPOSED DEPTH 7000		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5955 GR			22. APPROX. DATE WORK WILL START* December 25, 1964	
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	3-7/8	28	325	250 Sks.
7-7/8	4-1/2	10.5	7000	480 Sks. in 3 stages

2-40's Series 000

This well is the Federal (6443) #1-1. It is a Dakota Gas test and will be drilled to approximately 7000'. 8-5/8" surface casing will be set at 325' and cemented full length. Production casing will be 4-1/2", set thru the lower most productive sand. The casing will be cemented in three stages. First stage thru shoe second stage thru collar 50' below Mesa Verde and third stage thru collar 50' below Pictured Cliff. Water will be used as drilling fluid to 4000' and then mud will be used to total depth.



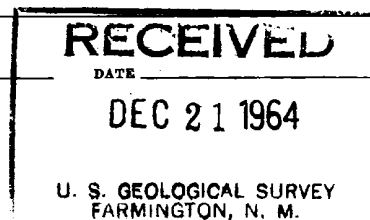
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Roy Copeland TITLE Drilling & Production Supt. DATE December 18, 1964
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____
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.

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

Section A.

Date December 18, 1964

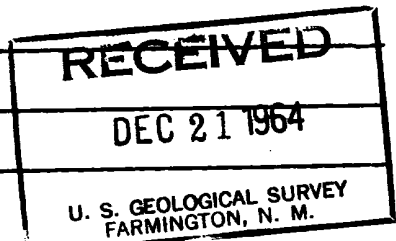
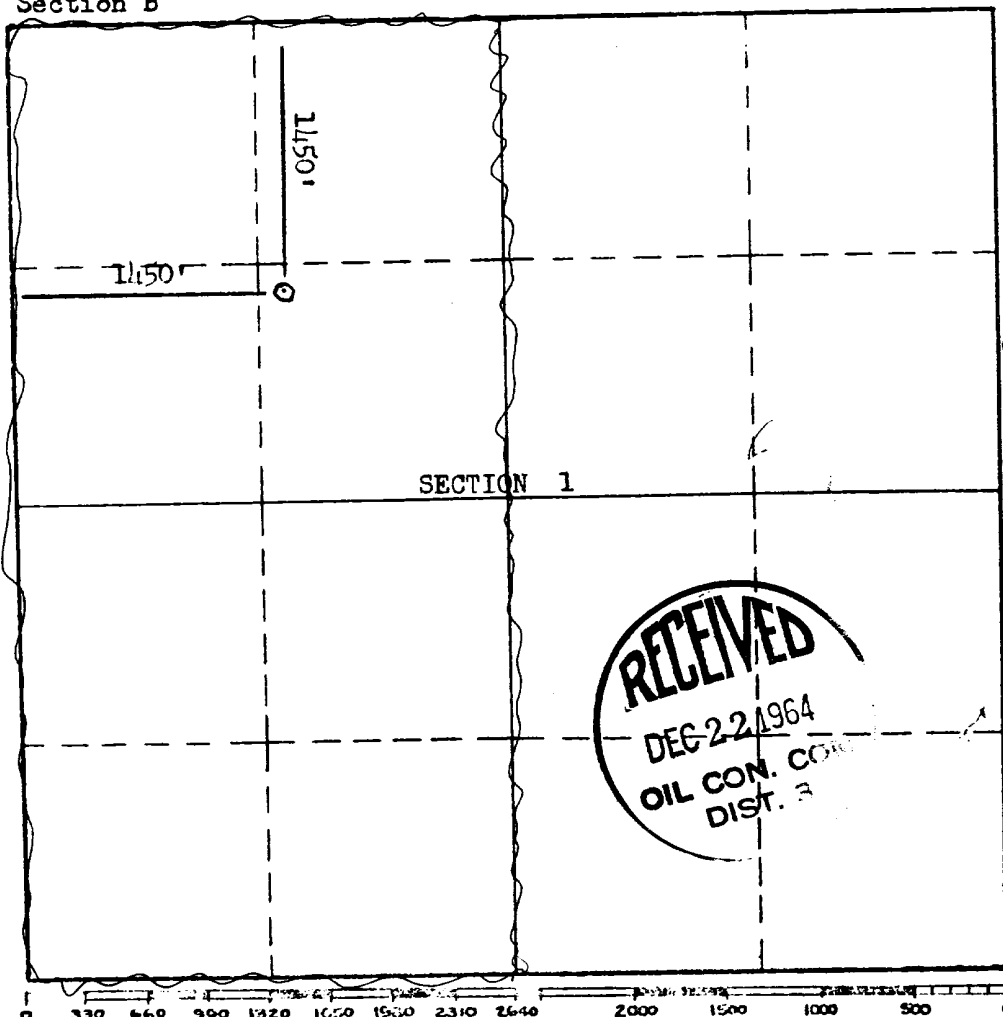
Operator AUSTRAL OIL CO. Lease FEDERAL (6443)
Well No. 1-1 Unit Letter F Section 1 Township 27 N Range 9 W NMPM
Located 1450 Feet From north Line, 1450 Feet From west Line
County San Juan G. L. Elevation 5953 Dedicated Acreage W 1/4 (320) 319.10 Acres
Name of Producing Formation Dakota Pool Basin

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes ☒ No ☐.
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Austral Oil Co.

(Operator)

C. R. Jeffs

(Representative)

2700 Humble Bldg.

Houston, Texas 77002

Address

This is to certify that the well location shown on the plat in Section B 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 Dec. 11, 1964

Stephen H. Kinney
STEPHEN H. KINNEY

Registered Professional
Engineer and/or Land Surveyor

Certificate No. 803

(See instructions for completing this form on the reverse side)

3-25-68

AUSTRAL OIL COMPANY, INCORP.

WELLS REQUIRING FILE CORRECTION ONLY

LEASE NAME & WELL NUMBER	LOCATION	POOL	PRESENT ACREAGE	CORRECT ACREAGE
Marshall #3	F-1-27N-9W	Basin Dak.	W 320	W 319.10✓
Candelario et al #1	J-1-27N-9W	Basin Dak.	E 320	E 319.70✓

WELLS FOR WHICH FORM C-102, ACREAGE DEDICATION PLAT, MUST BE FILED
(PLEASE FILE IN TRIPLICATE)

Marshall #1	F-14-27N-9W	Basin Dak.	N 320	N 312.13 36-68
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