

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

50-039-23221

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
Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR
313 Washington, SE, Albuquerque, NM 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface Unit 'N' - 665' FSL & 1925' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles SW of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)
1925' Lease Line
605' Unit Line

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, 1200'
OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7247' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	8 5/8"	22# (J-55)	225'	225 sxs (405 CF) Class B cement
7 7/8"	4 1/2"	11.6# (N-80)	7560'	1st stage: 750 sxs (1350 CF) 50/50 pozmix 2nd stage: 535 sxs (963 CF) 40/60 pozmix, 12% gel 30 sxs (54 CF) Class B cement

Drill 230' of 9 3/4" surface hole. Set 225' of 8 5/8" casing. Cement to surface with 225 sxs (405 CF) cement. Use an oil base mud, (15% oil), and Schaeffer 5000# standard doublegate hydraulic BOP. Drill 7 7/8" hole to 7560' to test Dakota formation.

Wasatch formation on surface. Estimated tops: Ojo-2545'; Pictured Cliffs-2990'; Chacra-3340'; Cliff House-4525'; Pt. Lookout-5055'; Gallup-6150'; Tocito-6920'; Greenhorn-7130'; Dakota 'A'-7215'; Dakota 'D'-7355'; Burro Canyon-7400'.

D. V. Tool @ 3040'. Float Collar @ 7530'.

RECEIVED
MAY 24 1983

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed 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] TITLE Geologist DATE 5-12-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____
APPROVED AS AMENDED
MAY 23 1983
JAMES F. SIMS
DISTRICT ENGINEER

*See Instructions On Reverse Side

All distances must be from the outer boundaries of the Section.

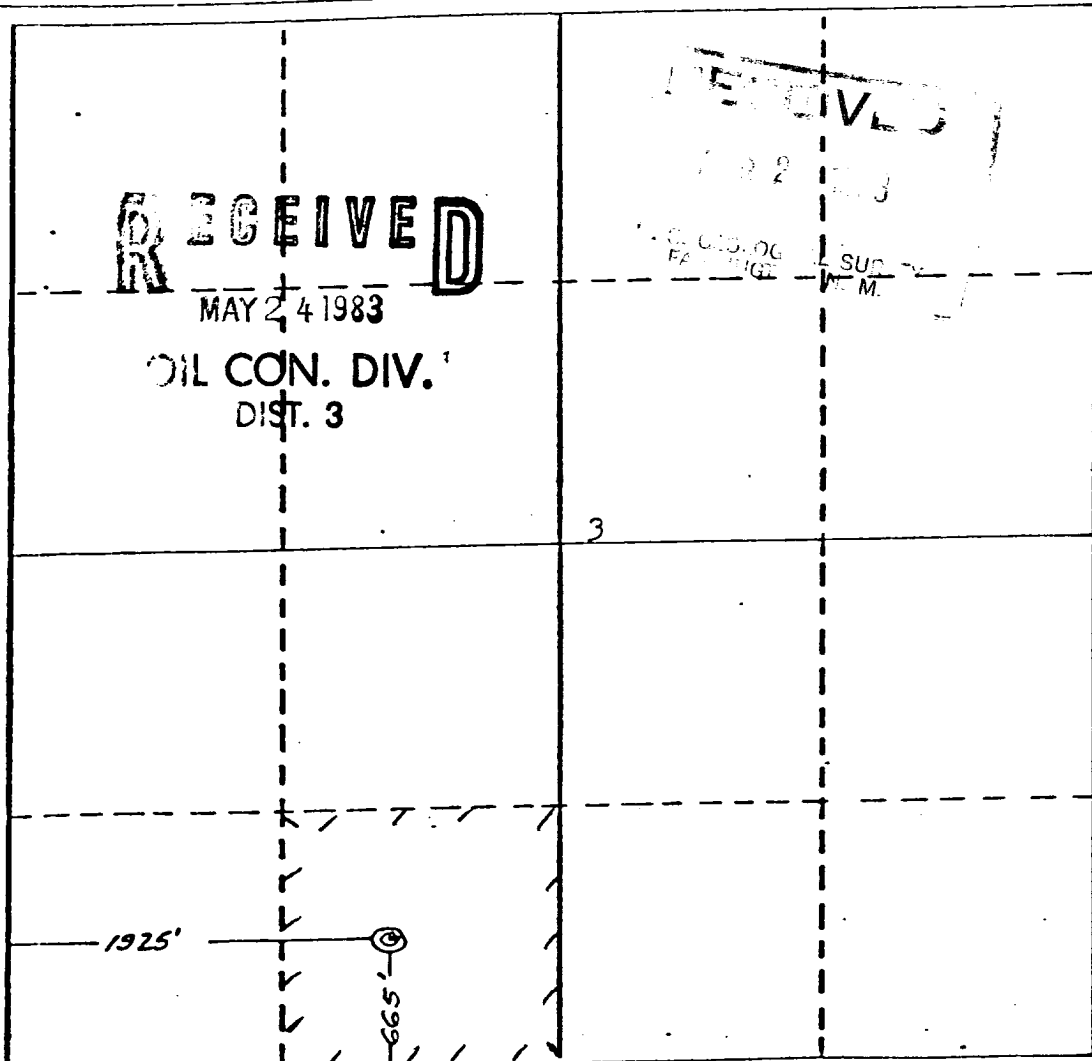
Operator CHACE OIL COMPANY, INC.			Lease JICARILLA TRIBE #71 72-16		Well No. (16)
Unit Letter N	Section 3	Township 23 NORTH	Range 4 WEST	County RIO ARriba	
Actual Footage Location of Well: 665 feet from the SOUTH line and 1925 feet from the WEST line					
Ground Level Elev. 7247	Producing Formation Gallup - DAKOTA		Pool S Lindeith Gallup DAKOTA		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 Division.

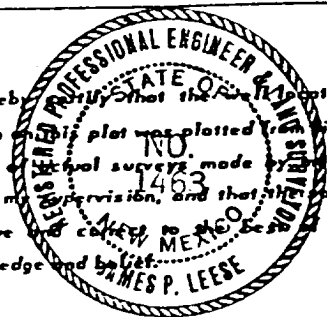


CERTIFICATION

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

Name *[Signature]*
Position Geologist
Company Chace Oil Co.
Date 1-10-83

I hereby certify that the information 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
November 15, 1982
Registered Professional Engineer
and/or Land Surveyor
[Signature]
James P. Leese
Certificate No.
1463

