

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-043-20589

## 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 25311
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 checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR CHACE INVESTORS, JOINT VENTURE <i>OIL Co.</i>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 313 WASHINGTON, SE, ALBUQ, NEW MEXICO 87108		8. FARM OR LEASE NAME Rattlesnake - Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface Unit "A" 490' FNL & 330 FEL At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 12.8 miles S-SW of Counselor, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat <i>Entrada</i>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA A Sec. 19, T21N, R7W
16. NO. OF ACRES IN LEASE 441.68		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. 6200'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6773' GR		22. APPROX. DATE WORK WILL START* July 1, 1981

## 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"	24	200	200 sxs
* See Attached				

Drill 205' of 9 3/4" surface hole. Set 200' 8 5/8" casing. Cement to surface with 200 sxs. Use a standard starch and jelly low loss water mud system and Schaeffer 5000# standard doublegate hydraulic BOP. Drill 7 7/8" hole to 6200' to test the Entrada formation.

Ojo Alamo formation on surface. Estimated tops: Cliffhouse - 1125'; Menefee - 1270'; Point Lookout - 2865'; Dakota "n" - 5055'; Entrada - 6095'.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

This action is subject to administrative  
appeal pursuant to 30 CFR 290.

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]* TITLE Geologist DATE 5/26/81

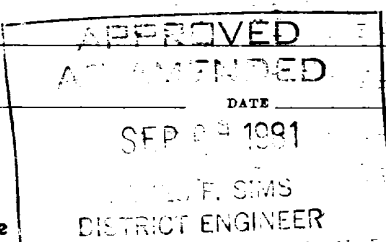
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY DATE  
CONDITIONS OF APPROVAL, IF ANY: TITLE

\*See Instructions On Reverse Side

NMCC



NEW MEXICO OIL CONSERVATION COMMISSION  
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
 Supersedes C-128  
 Effective 1-1-85

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

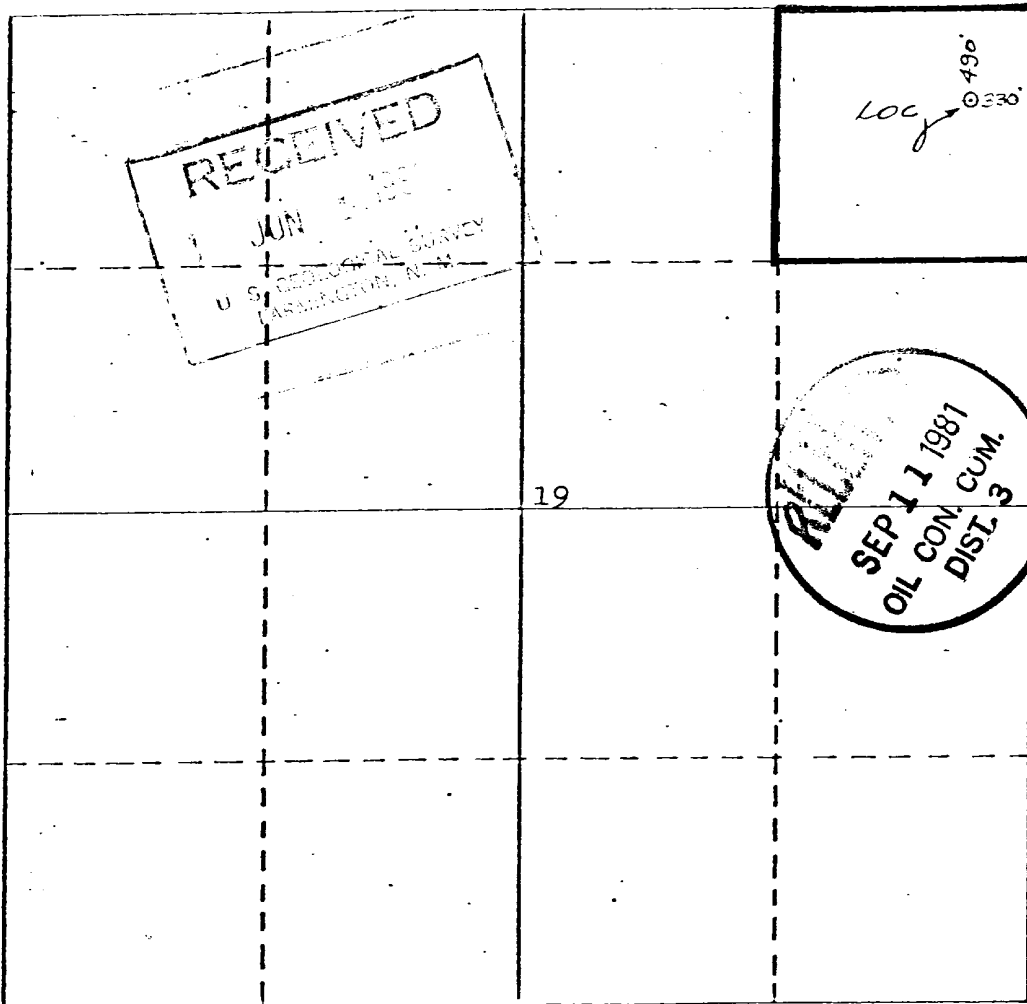
Operator <b>CHACE OIL COMPANY</b>			Lease <b>CHACE J. V.</b>		Well No. <b>#1 FED</b>
Unit Letter <b>A</b>	Section <b>19</b>	Township <b>21 NORTH</b>	Range <b>7 WEST</b>	County <b>SANDOVAL</b>	
Actual Footage Location of Well: <b>490</b> feet from the <b>NORTH</b> line and <b>330</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6773.</b>	Producing Formation <b>Entrada</b>		Pool <b>Wildcat</b>	Dedicated Acreage: <b>40</b> 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.



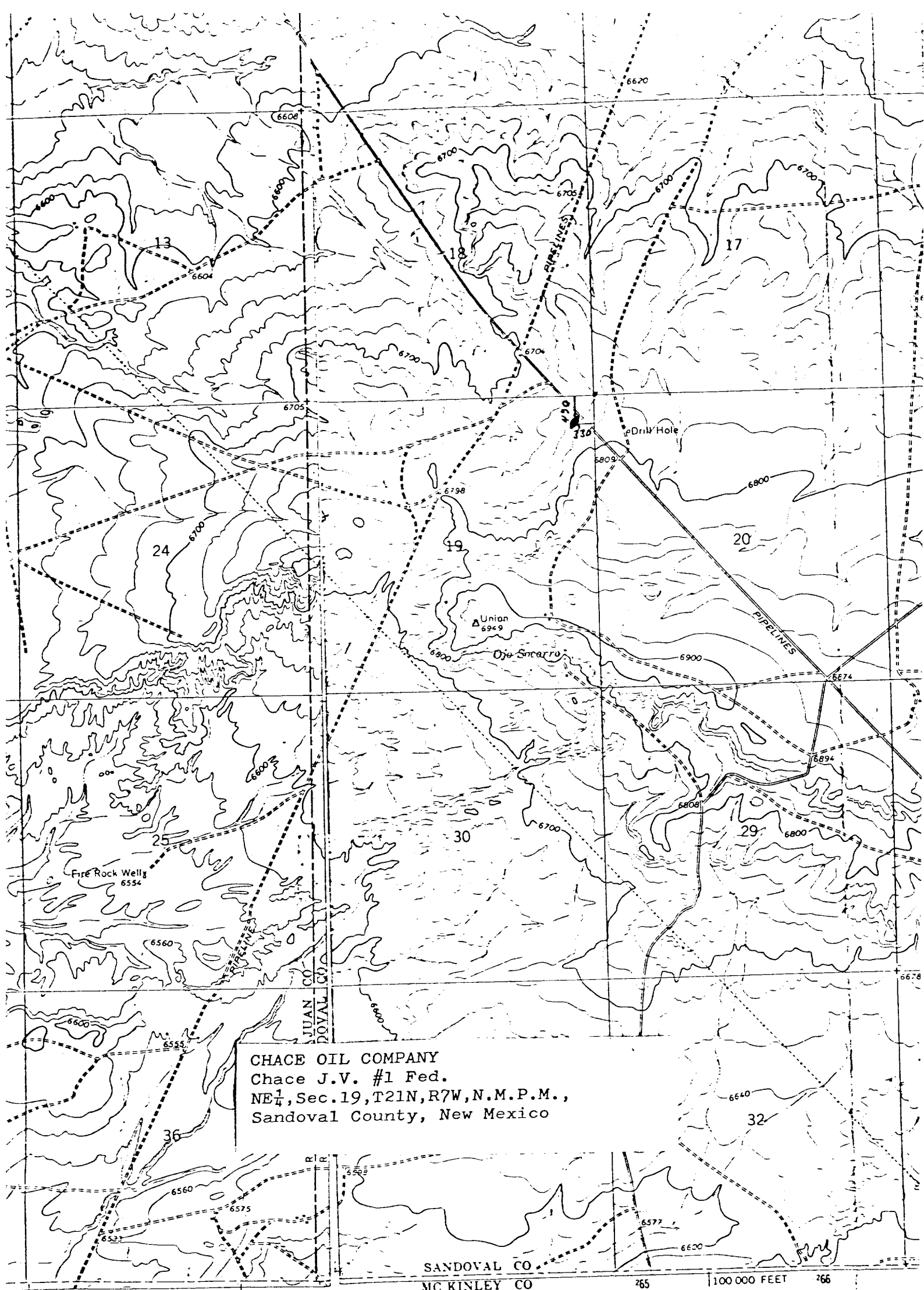
CERTIFICATION

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

Name  
**Ron Gordon**  
 Position  
**Geologist**  
 Company  
**Chace Oil Co., Inc.**  
 Date  
**May 26, 1981**

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  
**MAY 26 1981**  
 Registered Professional Engineer  
 License No. **5582**  
**MICHAEL DALY**  
 CERTIFICATE OF REGISTRATION  
 PROFESSIONAL ENGINEER  
 STATE OF NEW MEXICO



CHACE OIL COMPANY  
Chace J.V. #1 Fed.  
NE $\frac{1}{4}$ , Sec. 19, T21N, R7W, N.M.P.M.,  
Sandoval County, New Mexico

SANDOVAL CO  
MC KINLEY CO

INTERIOR GEOLOGICAL SURVEY, WASHINGTON D.C. 20508

107° 33' 30"

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial  
photographs taken 1965. Field checked 1966

Polyconic projection. 1927 North American datum  
10,000-foot grid based on New Mexico coordinate system,  
central zone

1000-meter Universal Transverse Mercator grid ticks,  
zone 13, shown in blue

Fine red dashed lines indicate selected fence lines

Areas covered by dashed light blue pattern are subject

ROAD CLASSIFICATION

light-duty ———— Unimproved dirt ————

FIRE ROCK WELL, N. MEX.  
NAD 83, W 107 33' 30"

1" 30' 27 MILS  
134 240 M

UTM GRID AND 1956 MAGNETIC DECLINATION AT CENTER OF