

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYC/SF
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 39127	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Yates Petroleum Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 207 S. 4th St., Artesia, NM 88210		8. FARM OR LEASE NAME Doris "RI" Fed.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL & 860' FWL At proposed prod. zone same		9. WELL NO. 1	
11. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 36.5 miles north and 15½ miles east of Roswell, NM		10. FIELD AND POOL, OR WILDCAT Wildcat Abo	
16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 46-L Sec. 27-5-25	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		12. COUNTY OR PARISH Chaves	
19. PROPOSED DEPTH ± 4450'		13. STATE NM	
20. ROTARY OR CABLE TOOLS Rotary		17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3718.2 GL		22. APPROX. DATE WORK WILL START* ASAP	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13 3/8"	48# J-55	Approx. 850	800 sx. circulated
12½"		8 5/8"	Approx. 1500'	800 sx. circulated
8 3/4 or 7 7/8	5½" or 4½"	15.5 or 10.5#	TD	250 sx. circulated

We propose to drill and test the granite wash and intermediate formation. Approximately 850' of surface casing will be set and cement circulated to shut off gravel and caving. Casing will be set 100' below the water zone. If commercial, 5½" or 4½" production casing will be run and cemented with an adequate cover, perforate and stimulate as needed for production. If needed (lost circulation) 8 5/8" intermediate casing will be run to approximately 1500' and cement circulated.

MUD PROGRAM: FW gel and LCM to 1500', Brine to 3550', Flosal-driskpak, Starch to TD
MW 8.4 - 9.8, Vis. 33-40, WL 20-10.

BOP PROGRAM: BOP's will be installed on 8 5/8" casing and tested daily.

GAS NOT DEDICATED.

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 <u>Glenn R. Boring</u> TITLE <u>Geographer</u> DATE <u>7-6-81</u>	
(This space for Federal or State office use)	
PERMIT NO. <u>1980-884</u>	APPROVAL DATE <u>JUL 7 1981</u>
APPROVED BY <u>GEORGE H. STEWART</u>	TITLE <u></u>
CONDITIONS OF APPROVAL, IF ANY:	
FOR <u>JAMES A. GILHAM</u> DISTRICT SUPERVISOR	

RECEIVED
JUL 7 1981
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO