

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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-20073	
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 type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Yates Petroleum Corporation		7. UNIT AGREEMENT NAME Pronchthon Unit	
3. ADDRESS OF OPERATOR 207 S. 4th, Artesia, New Mexico 88210		8. FARM OR LEASE NAME Pronchthon AAP Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 330' FSL and 330' FWL At proposed prod. zone same		9. WELL NO. 41	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 49 miles SE of Carlsbad, New Mexico		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED	
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 Sec. 8-T23S-R33E	
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1000'		19. PROPOSED DEPTH appr. 5500'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* ASAP	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 3719 GL		23. PROPOSED CASING AND CEMENTING PROGRAM	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	40.5# J-55	800'	500 sx circulated
7 7/8"	5 1/2"	14# K-55	TD	600 sx

We propose to drill and test the Delaware and intermediate formations. Approximately 800' of surface casing will be set and cement circulated to shut off gravel and caving. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW & LCM to 800', Brine & LCM to TD.

BOP PROGRAM: BOP's will be installed at the offset and tested daily.

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 Cy Conner TITLE Regulatory Agent DATE September 6, 1984  
(This space for Federal or State office use)

PERMIT NO.                      APPROVAL DATE                       
APPROVED BY                      TITLE                      DATE 9-20-84

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED