

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**AMENDED**

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 10472
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" 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 Pronghorn Unit
3. ADDRESS OF OPERATOR 207 South 4th Street, Artesia, NM 88210		8. FARM OR LEASE NAME Antelope "LY" Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) At surface 1980' FNL and 1980' FEL At proposed prod. zone Same		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 49 miles SE of Carlsbad, NM		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T23S, R33E
16. NO. OF ACRES IN LEASE 1200		12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 15950'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3715.5		22. APPROX. DATE WORK WILL START* Lease expires ASAP 10-1-79

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5# K-55	720'	650 sx circulate
12-1/4"	10-3/4"	40.5-51# K-55	5000'	600 sx
9-5/8"	7-5/8"	29.7# S-95	12300'	1650 sx
6-1/2"	5" liner	18# S-95	11900'-TD	600 sx

2-STAGE CEMENT FROM TOP OF SALT TO SURFACE
We propose to drill and test the Mississippian formation and intermediate zones. Approximately 720' of surface casing will be set, cement will be circulated to shut off gravel and cavings. Intermediate casing will be set approximately 60' into the ~~Wolfcamp~~ and cemented to base of the salt. Bottom casing will be set approximately 50' into the Wolfcamp @ 5" liner will be run below bottom casing.

MUD PROGRAM: Spud mud to 720'. Brine & LCM to 5000', water to 10200' and Drispak, gel, flosal, KCL to TD.

BOP PROGRAM: BOP on 10-3/4" casing and tested, pipe rams tested daily.

SURFACE USE PLAN: No changes to Surface Use Plan submitted with the Delaware Application to Drill.

GAS NOT DEDICATED.

**SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"**

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.

SIGNATURE <i>Eddie L. Huford</i>	TITLE <i>Engineer</i>	DATE January 17, 1980
(This space for use by State office use)		
APPROVED AS AMENDED		
PERMIT NO.		
APPROVAL DATE		
APPROVED BY FEB 7 1980		
CONDITIONS OF APPROVAL, IF ANY:		
ACTING DISTRICT ENGINEER		

SUBJECT TO SPECIAL CASING STIPS

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OFFICE OF THE ATTORNEY GENERAL

FEB 12 '80

RECEIVED