

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYNEW MEXICO COMMISSION  
DRAWING NO.  
ARTESIA, NM 88210

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		6. LEASE DESIGNATION AND SERIAL NO. NM 0558018
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"/>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Yates Petroleum Corporation		8. FARM OR LEASE NAME Union SI Federal
3. ADDRESS OF OPERATOR 207 South 4th St., Artesia, NM 88210		9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660 FNL & 660 FWL, Sec. 1-T8S-R31E At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT Tomahawk SA
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* O. C. D. ARTESIA OFFICE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Unit D, Sec. 1-8S-31E
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4379' KB		22. APPROX. DATE WORK WILL START* Soon as approved

## 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"	48#	315'	300 sx - circulated
11"	8-5/8"	24#	3223'	825 sx - Circulated
7-7/8"	4-1/2"	11.6#	10625'	500 sx

Well was perforated in Mississippian at 10298-308' and 10428-438', bridge plug set at 10240'; Penn perforated at 9542-56' and 9977-84'. Penn completion is now depleted and casing believed to be collapsed at 5673-5684'. We propose to plug well back for San Andres completion as follows: Will cut tubing at 5650' approximately, and pull tubing, will set CIBP at 5600', will perforated 4-1/2" casing at 4500' and break circulation, will set retainer at 4450' and cement 4-1/2" casing w/200 sacks Class "C", will perforate San Andres at 4020-4128' and stimulate for production.

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 Production Supervisor DATE 2-16-83  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVED BY \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

APPROVED

TITLE \_\_\_\_\_

FEB 24 1983

\*See Instructions On Reverse Side  
JAMES A. GILLHAM  
SUPERVISOR

RECEIVED

DATE \_\_\_\_\_

FEB 18 1983

SERVICE  
MEXICO