

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-15016
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 Harvey E. Yates Company, Inc.			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Post Office Box 1933, Roswell, New Mexico 88201			8. FARM OR LEASE NAME Exxon Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 660' FNL & 660' FEL At proposed prod. zone Same			9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 Miles south of Kenna, New Mexico			10. FIELD AND POOL, OR WILDCAT Cato-San Andres
10. 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	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 6, T-8S, R-31E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2000' 1320'	19. PROPOSED DEPTH 3850'	20. ROTARY OR CABLE TOOLS Rotary	12. COUNTY OR PARISH 13. STATE Chaves N. M.
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4255.0' GL		22. APPROX. DATE WORK WILL START* August 25, 1977	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	20#	250'	Circulate
7 7/8"	4 1/2"	9.5#	3850'	275 Sx

BOP Program: Schaffer Type E 10" Series 900 Hydraulic Blowout Preventer will be used.

Mud Program: Fresh water native mud to 3450', mud system from 3450' to TD, 34-36 viscosity, 10cc water loss control.

RECEIVED
AUG 18 1977
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 Med. Yates TITLE Vice President DATE August 17, 1977

(This space for Federal or State office use)

PERMIT NO. _____

APPROVED BY
APPROVED
AUG 30 1977
H. L. ...
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS
EXPIRES NOV 30 1977

DATE _____

*See Instructions On Reverse Side

RECEIVED

SEP 1977

OIL CONSERVATION COMM.
HOBBS, N. M.