

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-25472

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

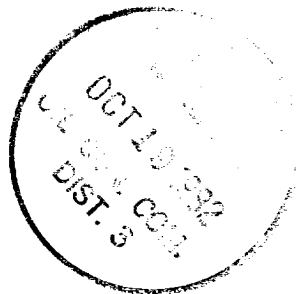
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SF-078414
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Tenneco Oil Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Box 3249, Englewood, CO 80155			8. FARM OR LEASE NAME Day
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 790' FNL, 790' FEL At proposed prod. zone Same			9. WELL NO. 5E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 miles east of Blanco, New Mexico			10. FIELD AND POOL, OR WILDCAT Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'	16. NO. OF ACRES IN LEASE 1692.62	17. NO. OF ACRES ASSIGNED TO THIS WELL E 320	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA A Sec. 18, T29N, R8W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 7597'	20. ROTARY OR CABLE TOOLS Rotary	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6413' GR			13. STATE NM
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
12-1/4"	9-5/8"	36#	+250	Circ. to surface
8-3/4"	7"	23#	+3630'	2-stage - Circ. to surface
6-1/4"	4-1/2"	11.6#, 10.5#	+7597'	Circ. to liner top

See attached drilling procedure

Gas is 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.

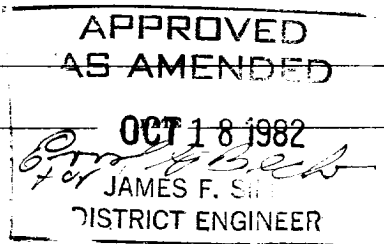
24. SIGNED Kenn Russell TITLE Sr. Production Analyst DATE September 7, 1982

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE

dk2



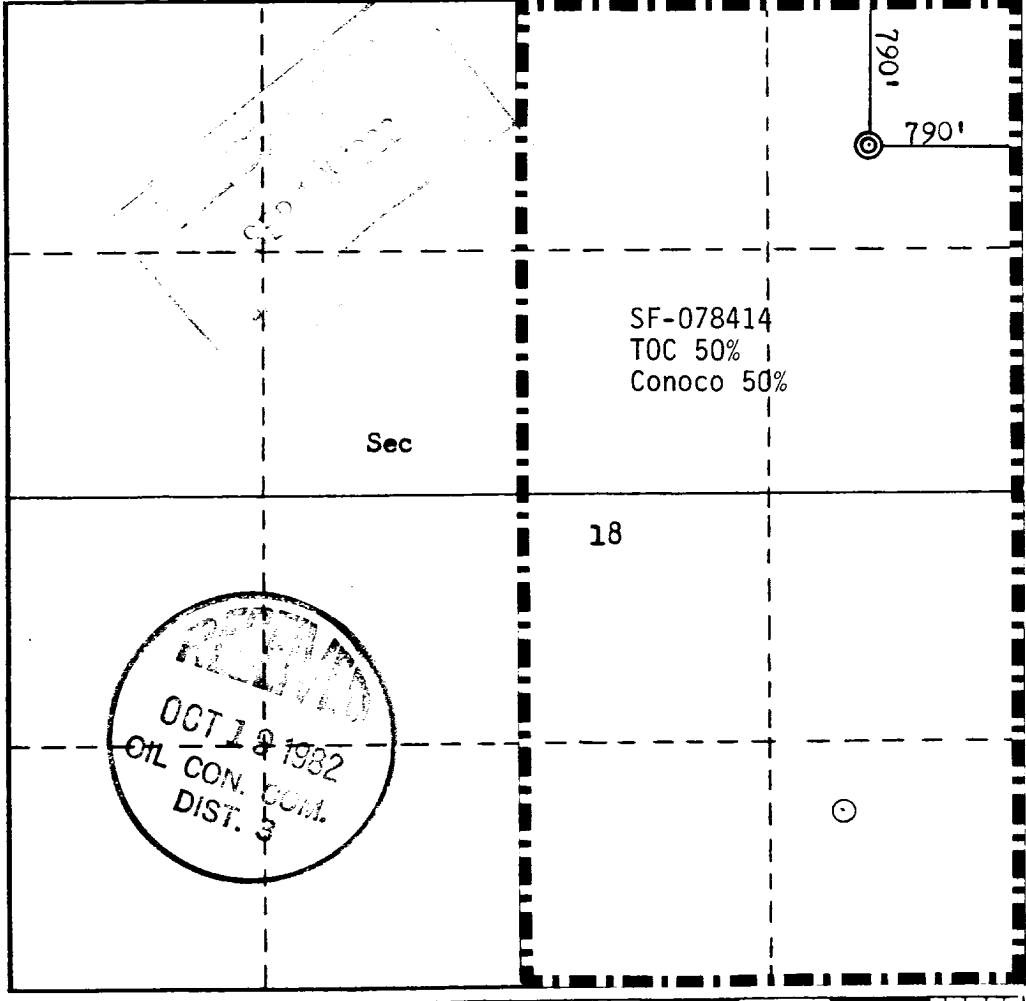
NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator Tenneco Oil Company			Lease Day		Well No. 5E
Unit Letter A	Section 18	Township 29N	Range 8W	County San Juan	
Actual Footage Location of Well: 790 feet from the North line and 790 feet from the East line					
Ground Level Elev. 6413	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: E 320 Acres		
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.</p>					

	CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Ken Russell</i> Name Ken Russell Position Senior Production Analyst Company Tenneco Oil Company Date July 29, 1982 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed July 7, 1982 Registered Professional Engineer and/or Land Surveyor <i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr. Certificate No. 3950
--	--

This is a detailed topographic map of the Manzanares Canyon region. The map features the Manzanares River flowing through the center, with Medina Canyon to the west and the City Wall area to the east. Key landmarks include the Blomfield area in the southwest, the City Wall in the center, and the Manzanares Canyon itself. The map is overlaid with a grid system, with coordinates marked along the edges. Elevation is indicated by contour lines and numerical markers, ranging from 4000 to 6000 feet. The map also shows various roads, trails, and other geographical features. The title 'MANZANARES' is prominently displayed in the center. The map is oriented with North at the top, as indicated by the 'N' marker in the upper left corner.

9310.20