

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"/>		
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"/>		
2. NAME OF OPERATOR Tenneco Oil Company		
3. ADDRESS OF OPERATOR P.O. Box 3249, Englewood, CO 80155		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1105' FSL, 1735' FEL At proposed prod. zone Same		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* ± 10 mi NE of Aztec, NM		
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 1160.05	17. NO. OF ACRES ASSIGNED TO THIS WELL 160.33
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 3280'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DE, RT, GR, etc.) 6273' GL SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM		22. APPROX. DATE WORK WILL START* ASAP

This action is subject to technical and procedural review pursuant to 43 CFR 3100.3 and appeal pursuant to 43 CFR 3105.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	32#	± 250'	206 ft ³ C1.B + 2% CaCl ₂
7 7/8"	4 1/2"	10.5#	± 3280'	1100 ft ³ 65/35 POZ + 6% gal
			Tail	177 ft ³ C1.B + 2% CaCl ₂

See Attached Drilling Proc.

The gas is dedicated.

RECEIVED
OCT 07 1987
OIL CON. DIV.
DIST. 3

"Approval of this proposal does not warrant the Government to hold the land for the proposed well."

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 David Hyatt TITLE Sr. Administrative Analyst DATE 9/29/87
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

OCT 06 1987
/s/ Arlan S. Miner

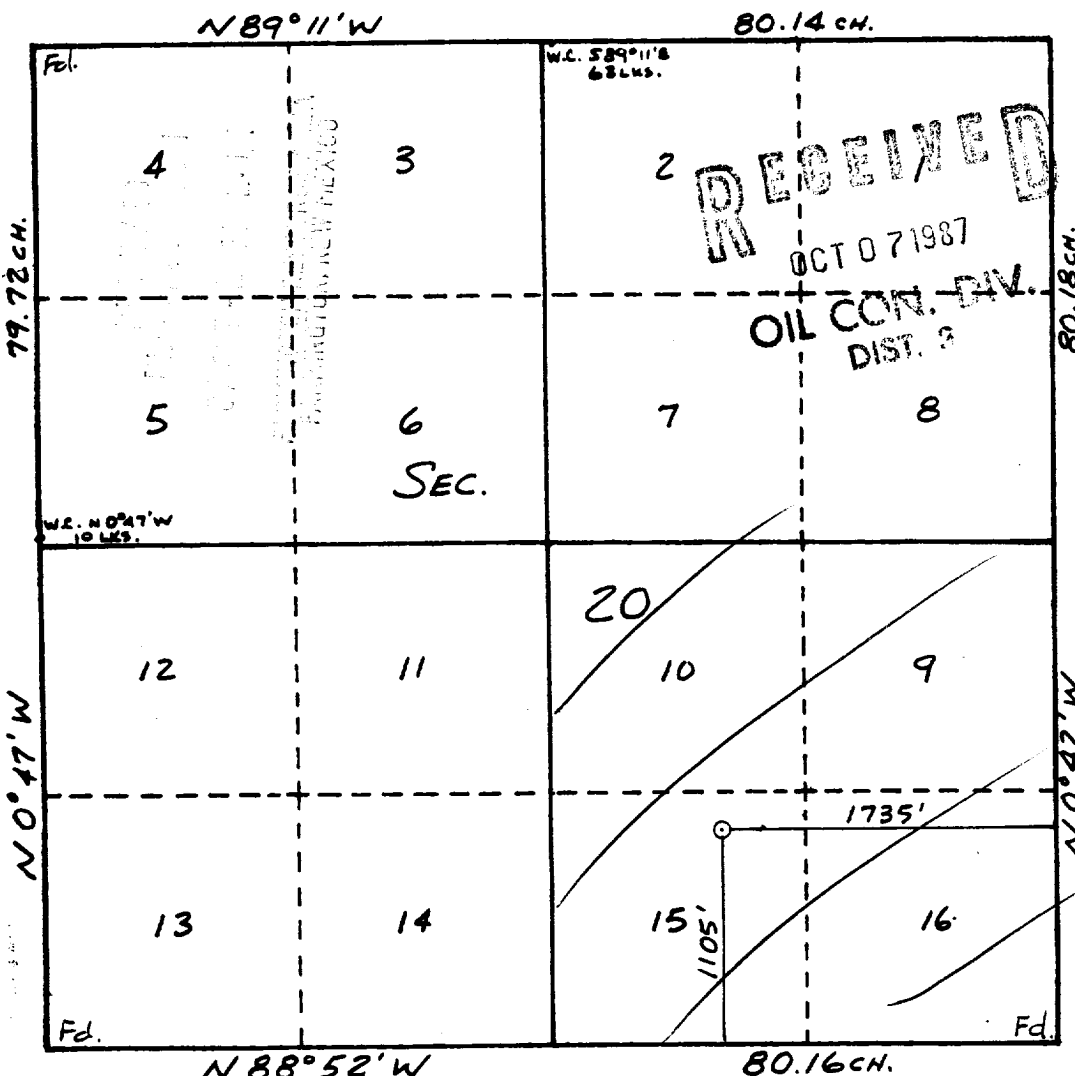
NMOCC

for AREA MANAGER

Form C-102
Supersedes C-120
Effective 1-1-65

Operator TENNECO OIL COMPANY		Lease BARRETT		Well No. 10
Unit Letter 0	Section 20	Township 31 N	Range 9 W	County San Juan
Actual Footage Location of Well: 1105 feet from the South line and 1735 feet from the East line				
Ground Level Elev. 6273	Producing Formation PC	Pool Blanco EXT	Dedicated Acreage: 160.33 Acres	

- 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.

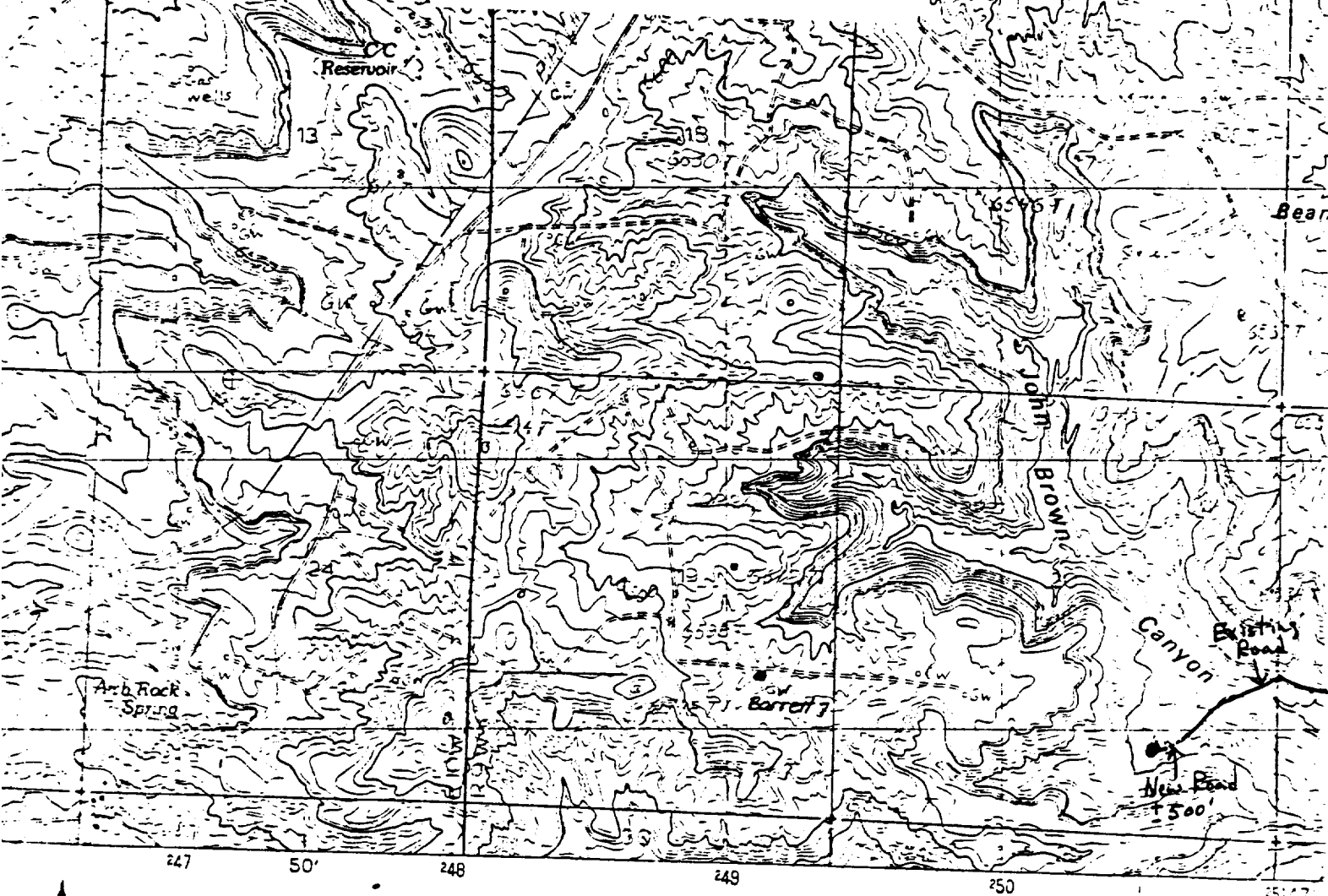


9-15-67
 Date Surveyed
 WILLIAM E. MAHINKA II
 Registered Professional Engineer
 and
 Land Surveyor
 #8466
 State of Michigan
 Certificate of Survey
 PROFESSIONAL LAND SURVEYOR
 8466

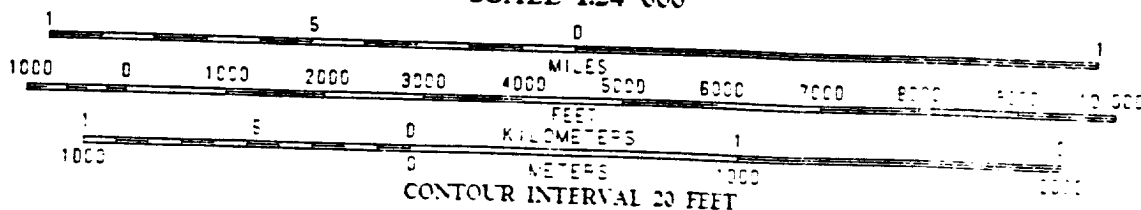
Access Roads
Tenneco Oil Company
Barrett #10

1105' FSL, 1735' FEL
Sec. 20, T31N, R9W
San Juan County, New Mexico

MAP #3



SCALE 1:24 000



ADDITIONAL MAP
derived from original
photodrawings. Information
current as of date of
publication.
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THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092