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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-4-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. E-1387-5	
7. Unit Agreement Name	
8. Farm or Lease Name Kemnitz Deep	
9. Well No. 1	
10. Field and Pool, or Wildcat Atoka Morrow	
12. County Lea	
19. Proposed Depth 13,200' +	19A. Formation Morrow
20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4118.6' GL	21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor Warton	22. Approx. Date Work will start Sept. 24, 1977

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK	
1a. Type of Work	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>	
2. Name of Operator Tenneco Oil Company	
3. Address of Operator 1860 Lincoln St., Suite 1200, Denver, Colorado 80295	
4. Location of Well UNIT LETTER J LOCATED 2280 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 29 TWP. 16S RGE. 34E NMPM	
23.	

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48 lb.	350' ±	cement to surface	
11"	8-5/8"	32 lb.	4,600' ±	cement to surface	
7-7/8"	5-1/2"	15.5 lb.	13,200' ±	cement back up to 7500'	

- MIRU and drill 17-1/2" hole to +350'.
- Run 350' of 13-3/8", 48#, casing and cement back to surface.
- Wait on cement. Test casing to 600 psi for 30 minutes.
- Drill 11" hole to +4600'. (set casing in San Andres formation)
- Run 4600' of 8-5/8", 32#, casing and cement back to surface.
- Wait on cement. Test casing to 1500 psi for 30 minutes.
- Drill 7-7/8" hole to TD. Will mud up for Abo Shale at +7500'.
- Core and test as directed.
- If commercial, run 13,200' of 5-1/2", 15.5 lb., casing and cement back to 7500'.
- Mud Program: 0' - 350', spud mud; 350' - 4600', native mud with 4-6% oil as needed; 4600' - 7500', fresh water with Benex; 7500' - T.D., brine mud with 6-9% oil as needed. Control water loss to 8-15 cc for cores, DST's, and logs.
- Two 60' cores will be taken. Three drill stem tests will also be taken. Various logs will be run.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Div. Production Manager Date 9-15-77

(This space for State Use)

APPROVED BY [Signature] TITLE DIRECTOR DISTRICT I DATE 9-19-77

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

SEP 11 1977

OIL CONSERVATION COMM.  
HOBBS, N. M.