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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 11-85

AMENDED

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-1769

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name State LF 28 COM	
c. Name of Operator Tenneco Oil Company		9. Well No. 1	
d. Address of Operator 6500 Park Ten Blvd., Suite 200 North San Antonio, TX 78213		10. Field and Pool, or Wildcat Und. So. Kennitz-Atoka-Morrow	
e. Location of Well UNIT LETTER M LOCATED 660 FEET FROM THE South LINE		12. County Lea	
f. Acreage 660 FEET FROM THE West LINE OF SEC. 28 TWP. 16S RGE. 34E		13. Proposed Depth 13200	
g. Formation Atoka-Morrow		14. Rotary or C.T. Rotary	
h. Casing & Cement Program 4102.1' GL Blanket		22. Approx. Date Work will start Dec. 15, 1982	

### 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"	54.5#	± 400	735	Circ. to surf
11"	8-5/8"	32#	4500	1210	Circ. to surf
7-7/8"	5 1/2"	17#	13200	1000	top @ 9000

- Prior to MIRU - set ± 40' or 20" conductor (notify NMOCC prior to spudding).
- Drill 17-1/2" hole to ± 400 w/spud mud (see mud program). PU required BHA (BHRWP). Pump sweeps as hole dictates, spot 50 bbls high vis pill on btm prior to POOH.
- POOH and run & cmt 13-3/8" csg. Centralize as needed. Circulate cmt. to surface. Prepare to redimix or 1" cmt to surface as required by NMOCC. Notify NMOCC before cmt. WOC as required by state. NU while WOC.
- CO 13-3/8" csg & weld on 13-3/8 x 13-5/8 - 3M csg head. Test same to 50% csg collapse. NU BOPE & diverter.
- PU 11" bit and specified slick assembly BHA to maintain straight hole. Prior

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 R. D. Waddell Title Project Drilling Engineer Date 12/7/82

(This space for State Use)

APPROVED BY JERRY SEXTON TITLE DISTRICT 1 SUPR. DATE DEC 14 1982

to drilling out test BOP's and csg to 500# for 30 min.

6. Drill 11" hole to 4500'. Sweep hole as dictates. Prior to pulling out of hole spot 50 bbls high vis pill.
7. POOH. Run & cmt 8-5/8" csg. Centralize pipe as needed. Circulate cmt to surface prepare to 1" cmt to surface as required by NMOCC.
8. Set 8-5/8" slip & seal assembly in csg head (set 80% in compression. CO<sup>8</sup> 5/8" csg. NU 13-5/8 3M x 11" 5M csg spool. Test same to 50% csg collapse. NU BOPE, choke, manifold, rotating head WOC as per state. Test rams & manifold to 5000# hydrill to 75% of rating. WOC only if required after PU BHA & trip to shoe.
9. PU 7-7/8" bit & required BHA and RIH to top of collar and test csg to 1000 psi. Drill out cmt, F/C, F/S, drill 30' of new formation. Test shoe to 11 ppg EMW.
10. Drill 7-7/8" hole to 13,200.
11. Log per Geologist.
12. Run 5-1/2 production string or P&A.
13. Gas is not dedicated.

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