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NEW MEXICO OIL CONSERVATION COMMISSION

30-025-28035

Form C-101
Revised 1-1-85

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	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Unit Agreement Name	
b. Type of Well	OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Farm or Lease Name	State LF-28 <i>Com</i>
2. Name of Operator	Tenneco Oil Company	9. Well No.	1
3. Address of Operator	6800 Park Ten Blvd., Suite 200 North San Antonio, TX 78213	10. Field and Pool, or Wildcat	So. Kemnitz-Atoka-Morrow
4. Location of Well	UNIT LETTER M LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE OF SEC. 28 TWP. 16S RGE. 34E N44PM	11. Undesignated	
19. Proposed Depth	13,200	19A. Formation	Atoka-Morrow
20. Rotary or C.T.	Rotary	22. Approx. Date Work will start	December 15, 1982
21. Elevations (show whether DF, RL, etc.)	4102.1 GL	21A. Kind & Status Plug. Bond	Blanket

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.
12 - 1/4"	9 - 5/8"	40#	4500'	1428	Circ. to Surf.
8 - 1/2"	5 - 1/2"	17#	13200'	1000	top @ 9000'

1. Prior to MIRU - Set ± 40' of 20' Conductor (Notify NMOCC prior to spudding.)
2. Drill 17 1/2" hole to ± 400 w/spud mud. P.U. required BHA. Pump sweeps as hole dictates, spot 50 BBLS high VIS PILL on BTM prior to POOH.
3. 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.
4. C.O. 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.
5. P.U. 12-1/4" BIT and specified BHA to maintain straight hole. Prior to drilling out test BOP's and Csg to 500# for 30 Min.
6. Drill 12-1/4" hole to 4500'. Maintain low RPM & BIT WT until BHA clears surface Csg. Sweep hole as hole dictates. Prior to pulling out of hole spot 50 BBLS high VIS PILL.
7. POOH. RUN & CMT 9-5/8" Csg. Centralize pipe as needed. Circulate CMT to surface prepare to 1" CMT to surface as required by NMOCC. Temperature survey may be required.

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 Division Drilling Engineer Date Nov. 15, 1982

(This space for State Use)

ORIGINAL SIGNED BY

APPROVED BY JERRY SEXTON TITLE DATE

CONDITIONS OF APPROVAL, IF ANY

NOV 19 1982

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5/19/83
UNLESS DRILLING UNDERWAY

8. Set 9-5/8" slip & seal assembly in Csg. head (Set 80% in compression). C.O. 9-5/8" Csg. N.U. 13-5/8" 3M x 11" 5M Csg. spool. Test same to 50% Csg. collapse. NU BOPE, choke manifold, rotating head. WOC as required by state. Test Rams & Manifold to 5000# Hydrill to 75% of rating. WOC only if required after PU BHA & trip to shoe.
9. P.U. 8 1/2" 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 E.M.W.
10. Drill 8-1/2" hole to 13,200' (to be picked by mudlogger) maintain low rotary & BIT WT until BHA clears intermediate Csg.
11. Log per Geologist.
12. Run 5 1/2 production string or P & A.
13. Gas is not dedicated.

RECEIVED
NOV 18 1982
FACILITY OFFICE

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

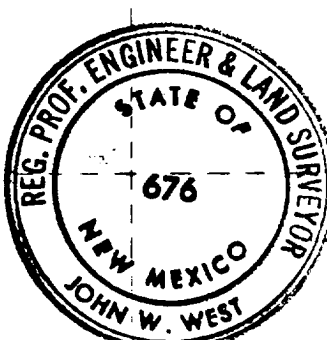
Operator Tenneco Oil Co.			Lease State LF 28 Com		Well No. 1
Unit Letter M	Section 28	Township 16 South	Range 34 East	County Lea	
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the West line					
Ground Level Elev. 4102.1	Producing Formation Atoka		Pool So. Kemnitz Atoka Morrow	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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).
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?

☒ Yes ☐ No If answer is "yes," type of consolidation **Communitization**

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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>OG - 380 Tenneco Oil Company - 100%</p>	<p>E - 1769 Shell Oil Company - 100%</p>	
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CERTIFICATION

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

[Signature]
Name

Moss Bannerman

Position

Division Drilling Engineer

Company

Tenneco Oil Company

Date

Nov. 15, 1982

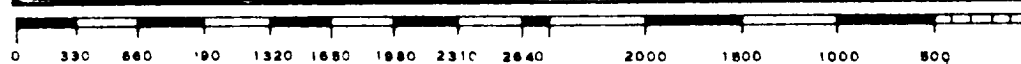
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

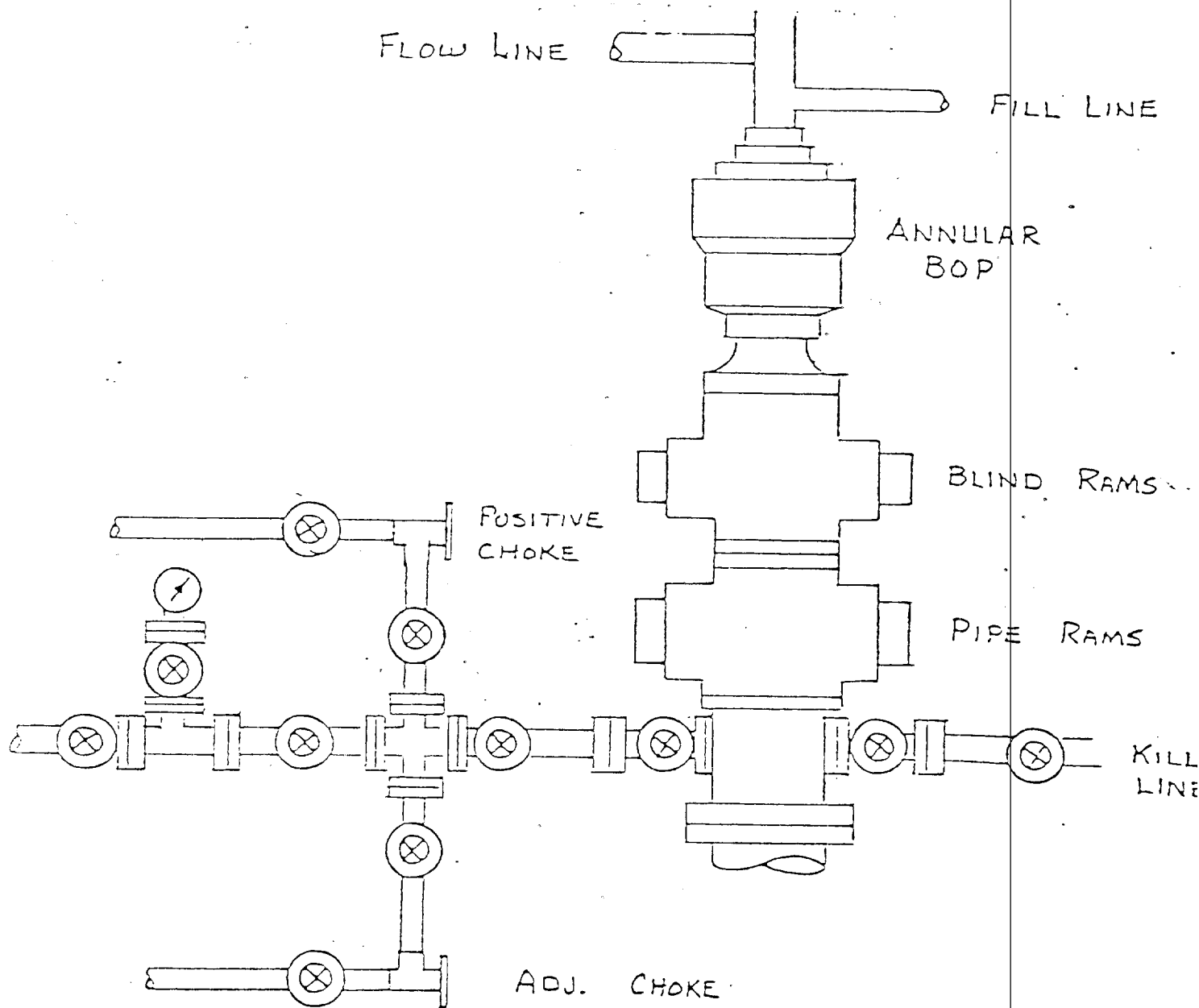
Date Surveyed

July 10, 1982

Registered Professional Engineer and/or Land Surveyor

[Signature]
Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6863
Ronald J. Eidson 3239





This is to be 3000 psi wp, which is adequate, that will be used on the 11" and 7 7/8" hole. This is the minimum possible BOP stack that will be used. Tenneco may choose to use more equipment and higher pressure.

State LF-28, Well No. 1
 Sec. 28, T16S, R34E
 Lea County, New Mexico

RECEIVED
JUN 16 1982
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