

30-041-30802

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. Type of Well

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. Name of Operator

Tenneco Oil Company

3. Address of Operator

7990 IH 10 West, San Antonio, Tx 78230

7. Unit Agreement Name

8. Farm or Lease Name

Carlock

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat

4. Location of Well

UNIT LETTER D LOCATED 660 FEET FROM THE north LINE

AND 660 FEET FROM THE west LINE OF SEC. 7 TWP. 5S RCE. 32E NMPM

12. County

Roosevelt

19. Proposed Depth

7200'

19A. Formation

Wolfcamp, San Andres Rotary

20. Rotary or C.T.

21. Elevation (Show whether DE, RT, etc.)

4520.6 GR

21A. Kind & Status Plug. Bond

Blanket

21B. Drilling Contractor

Unknown

22. Approx. Date Work will start

11-1-85

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"	54.5#	400'	420 sxs Class C	surface
12 1/2"	8 5/8"	24#	2400'		
		32#	2900'	1430 Class C	surface
7 7/8"	5 1/2"	15.5#	7200'	683 Class C	1500'

1. Construct suitable location. Reserve pits, working pits, rathole, mousehole, cellar may be provided by operator or drilling contractor and will be determined in conjunction with selection of drilling contractor rig.
2. MIRU. Drill 17 1/2" hole to 400'+/- . Use FW native mud. Use slick BHA unless hole conditions dictate otherwise.
3. CCM to run casing. SLM00H. Set 13 3/8" casing in full compression @ 400'. Run casing, cement and centralize as per proposed casing and cement programs.
4. WOC 8 hours. Cut off 13 3/8" casing. Install 13 3/8" SOW x 13 5/8" 3M wellhead. Test weld to 570 psi (1/2 casing collapse). WOC as per State rules.
5. NU minimum of 2M annular preventer w/4" diverter line. (Test hydril to 900 psi when testing casing.)
6. PU 12 1/4" bit and slick BHA. RIH to top of FC. Test BOP, wellhead and casing to 900 psi for 30 minutes. Test is satisfactory if pressure does not decrease more than 10% of test pressure by end of test. NOTE: Insure that cement has attained strengths outlined in casing and cement programs before drilling out. Rig up H₂S equipment.

W ABOVE SPACE FOR COMMENTS OR ADDITIONAL INFORMATION. IF ADDITIONAL SPACE IS REQUIRED, ATTACH SEPARATE SHEET. DO NOT WRITE IN THESE SPACES OR OVER THE PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

Continued on back of page

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

Signed Don Lindsey Title Drilling Engineer

Date 10/23/85

(This space for State Use)

ORIGINAL SIGNED BY GARY SEXTON

APPROVED BY DISTRICT SUPERVISOR

TITLE

DATE

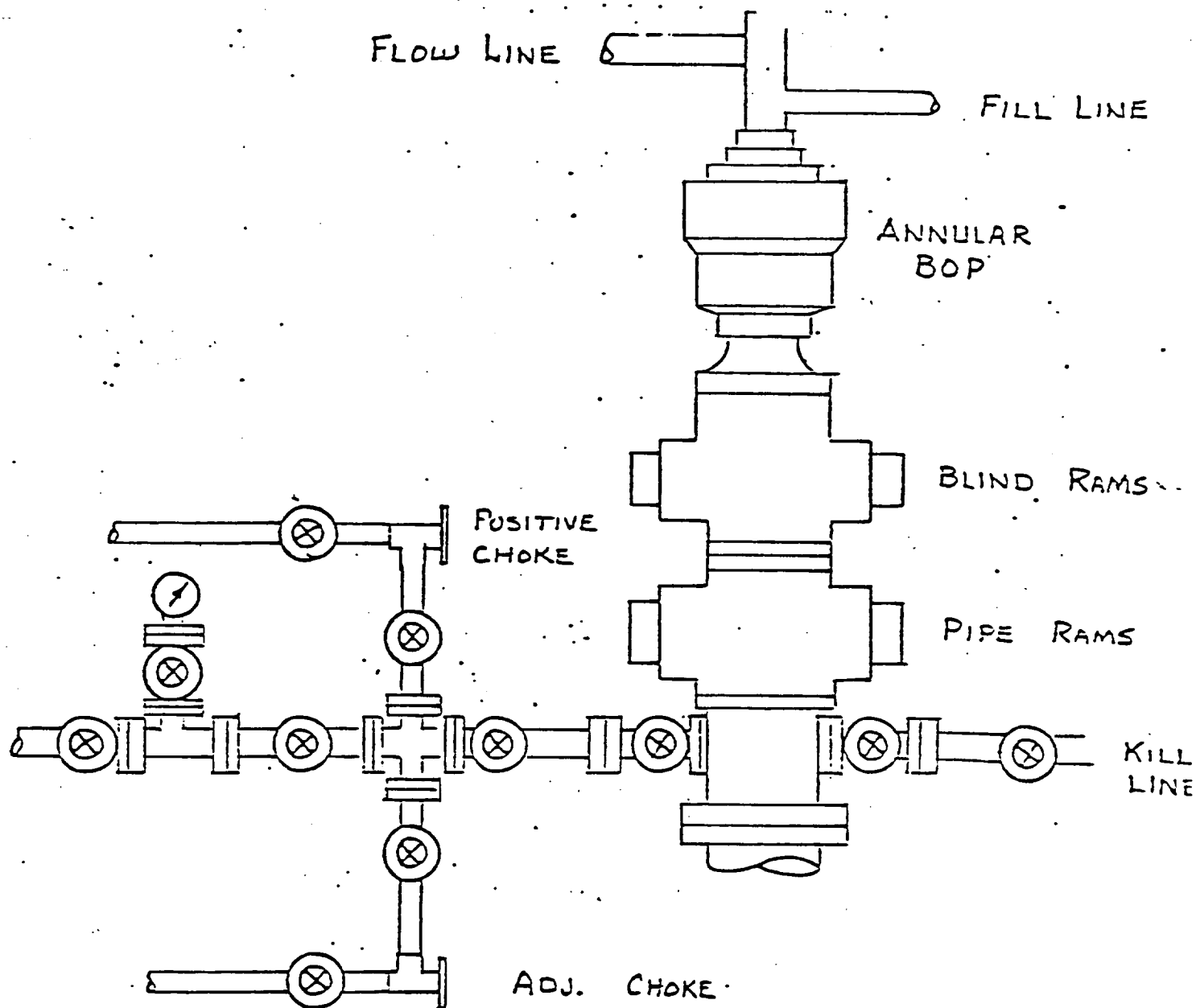
OCT 29 1985

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

7. Drill 12 1/4" hole to +/-2900' (T/SA). Log intermediate hole for seismic w/BHC Sonic-GR-CAL 2900' to 400'.
8. CCM to run casing. SLM00H. Set 8 5/8" casing as per attached casing and cement programs. Displace cement with 9 ppg cut brine. Set 40% casing weight on slips.
9. WOC 8 hours. Cut off 8 5/8" casing. NU 13 5/8" 3M x 11" 3M casing spool. Test weld to 650 psi (1/2 casing collapse for SOW head). Test casing spool to 1000 psi when testing casing and BOP's.
10. NU BOP 11" 3M double rams (pipe on bottom, blind on top) and hydril. Test annular preventer to 1500 psi and rams to 3000 psi with independent testing company. Record on IADC report and include details in daily drilling report to TOC SWD. RU mudloggers before drilling out intermediate. Witness all BOP tests.
11. PU 7 7/8" bit and slick BHA. RIH to top of FC. Test casing to 1000 psi for 30 minutes. Test satisfactory if pressure does not decrease more than 10% by end of test.
12. Drill 7 7/8" hole to 7200'. Be prepared to run DST in Wolfcamp est. +/-6700'. Be alert for possible trouble shales in Abo (+/-6100'). SLM00H prior to DST. DST decision pending shows. Contact office.
13. After DST, RIH w/bit and drill string. CCM to log. Log as per Geologist. Insure that non-radioactive sources are the first logs run. See attached logging program.
14. RIH w/bit and drill string to TD. CCM to run 5 1/2" casing or to P&A. If well is to be P&A'd, RIH open-ended and set cement plugs in accordance with regulatory agency instructions. Also, if P&A'd set EZSV type cement retainer approximately 50' above last casing shoe and place 50 sacks above and below retainer.
15. If not P&A'd, set 5 1/2" production casing @ 7200'. Run casing, cement and centralize as per proposed casing and cement program. Fill casing every 10-15 joints while RIH. Set full weight of casing on slips.
16. CO casing. ND BOP and install 11" x 7 1/16" 3M tubing head. Test to 3000 psi. NU dry hole tree. Release rig.

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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.

CARLOCK #1
ROOSEVELT COUNTY
NEW MEXICO

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**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

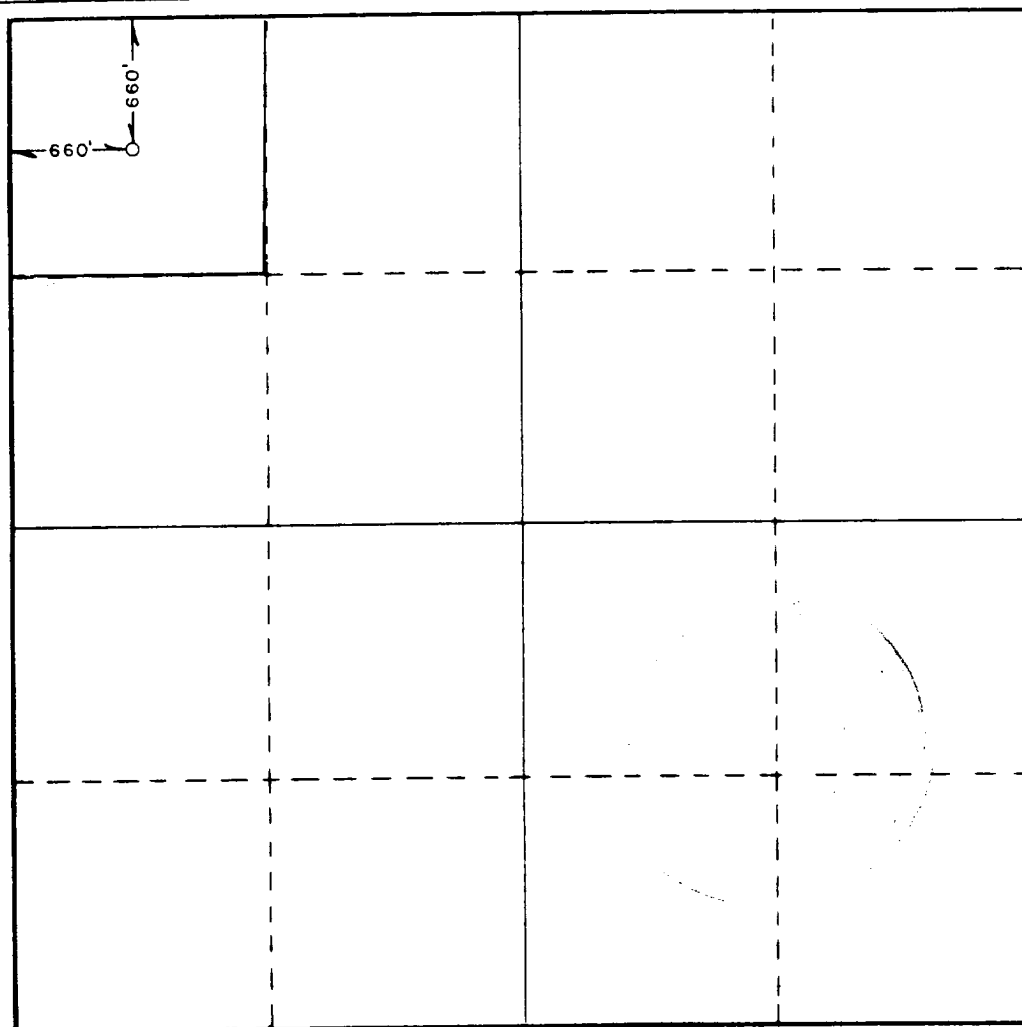
Operator TENNECO OIL COMPANY			Lease CARLOCK		Well No. 1
Unit Letter D	Section 7	Township 5 SOUTH	Range 32 EAST	County ROOSEVELT	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 660 feet from the NORTH line and 660 feet from the WEST line </div>					
Ground Level Elev. 4520.6'	Producing Formation Wolfcamp, San Andres		Pool Wildcat	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 _____

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.



CERTIFICATION

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

Ladell Collier
Name

Ladell Collier

Position

Geological Engineer

Company

Tenneco Oil Co.

Date

10/22/85

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

OCTOBER 15, 1985

Registered Professional Engineer
and or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

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C. C. D.
HOBBY OFFICE