

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 666
SANTA FE, NEW MEXICO 87501
RECEIVED BY
AUG 29 1984
O. C. D.
ARTESIA, OFFICE

Form C-101 30-015-24984
Revised 10-1-78

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SANTA FE	1
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U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

Name of Operator

Tenneco Oil Company

Address of Operator

7990 IH 10 West; San Antonio, TX 78230

Location of Well

UNIT LETTER K LOCATED 2310 FEET FROM THE West LINE

1650 FEET FROM THE South LINE OF SEC. 36 TWP. 18S RGE. 29E NMPM

7. Unit Agreement Name

8. Farm or Lease Name

State JL 36

9. Well No.

4

10. Field and Pool, or Wildcat

Leo Queen, Sec. (Grayburg)

12. County

Eddy

19. Proposed Depth 2900 19A. Formation Grayburg 20. Rotary or C.R.

Rotary

Elevations (show whether D.F., R.T., etc.) 21A. Kind & Status Plug. Bond 21B. Drilling Contractor 22. Approx. Date Work will start

3435 GL

Blanket

15 Sept. 84

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24 lbs.	300'	190	surface
7 7/8	5 1/2	14.5 lbs.	2900'	427	surface

1. Construct suitable location. Reserve pits, working pits, rat hole, mouse hole, cellar may be provided by operator or drilling contractor, and will be determined in conjunction with selection of drilling contractor/rig.

2. MIRU. Drill 12 1/4" hole to 300' +/- . BHA: Slick

3. CCM to run casing. SLM out of hole. Set 8 5/8" casing in full compression at 300 +/- . Run casing, cement and centralize.

4. WOC 18 hours. Cut off 8 5/8" casing. Install (See Note #1) wellhead. test well to 680 psi (1/2 of csg. collapse strength for SOW heads).

Continued on back of page.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 3-1-85
UNLESS DRILLING UNDERWAY

BELOW 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.

Signature Title Division Drilling Supervisor Date 23 Aug. 84

(This space for State Use)

Signature Title OIL AND GAS INSPECTOR Date AUG 30 1984

CONDITIONS OF APPROVAL, IF ANY:

5. NU following BOPE: 3M Double Ram BOPE (pipe on BTM. - Blinds on top) Test to 1000 PSIG when testing casing.
6. PU 7 7/8 bit and following BHA: Slick RIH to top of float collar. Test casing to 1000 psi for 30 minutes. Test is satisfactory if pressure does not decrease more than 10% of test pressure by end of test. Record test on IADC Report and include details in daily drilling report to TOC SWD. Insure compliance with State of NM Rule 107 before testing and drilling out.
7. Drill 7 7/8" hole to +/- 2900. Log, core, as outlined in step 8 and per GE.
8. Will shoot sidewall cores in the Penrose @ 2463'.
9. RIH w/DP and bit 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's, set EZSV-type cement retainer approximately 50' above last casing show and place 50 sacks of cement below and above retainer.
10. If not P & A'd, set 5 1/2" production casing at 2900'. Run casing, cement and centralize. Fill casing every 20 joints while running in hole. Set full casing weight on slips. Check float equipment operation.
11. C.O. casing. ND BOPE and install (See Note 2 below) tubing head. Test to 1500 psi. NU dry hole tree. Release rig.

NOTES: 1. 8 5/8" x 11" 3M SOW csg. head w/2 - 2" LPO, 1-solid bull plug & 1-3M ball valve.

2. 11" x 7 1/16" 3M tbgr. head w/2 - 2" LPO, 1-solid bull plug & 1-3M ball valve.

0903Z

N MEXICO OIL CONSERVATION COMMISS
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.

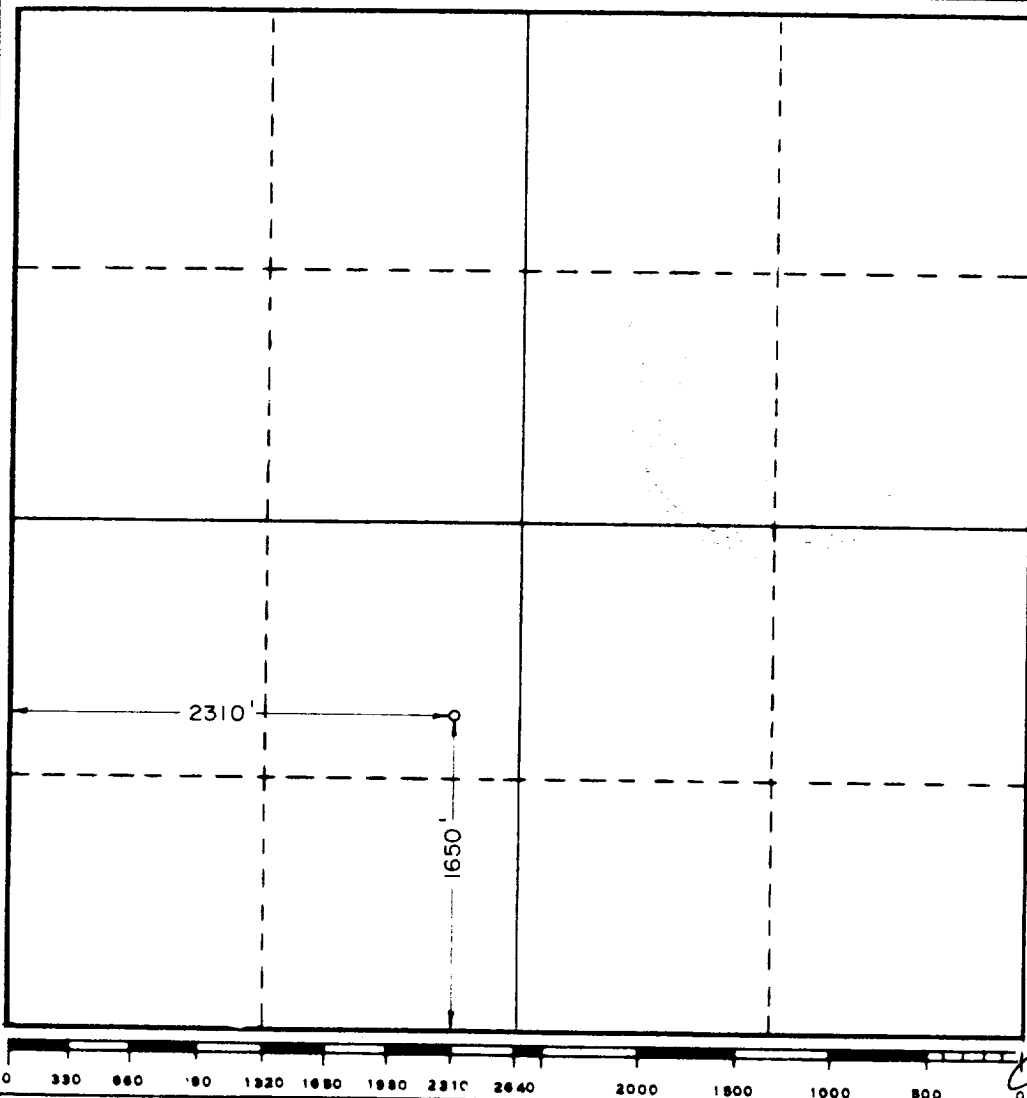
Operator Tenneco Oil Co.			Lease JL 36		Well No. 4
Unit Letter K	Section 36	Township 18 South	Range 29 East	County Eddy	
Actual Footage Location of Well: 1650 feet from the south line and 2310 feet from the west line					
Ground Level Elev. 3434.7'	Producing Formation Grayburg		Pool Leo Queen, So. (Grayburg)		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

Geological Engineer

Position

Tenneco Oil Company

Company

24 August 1984

Date

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.

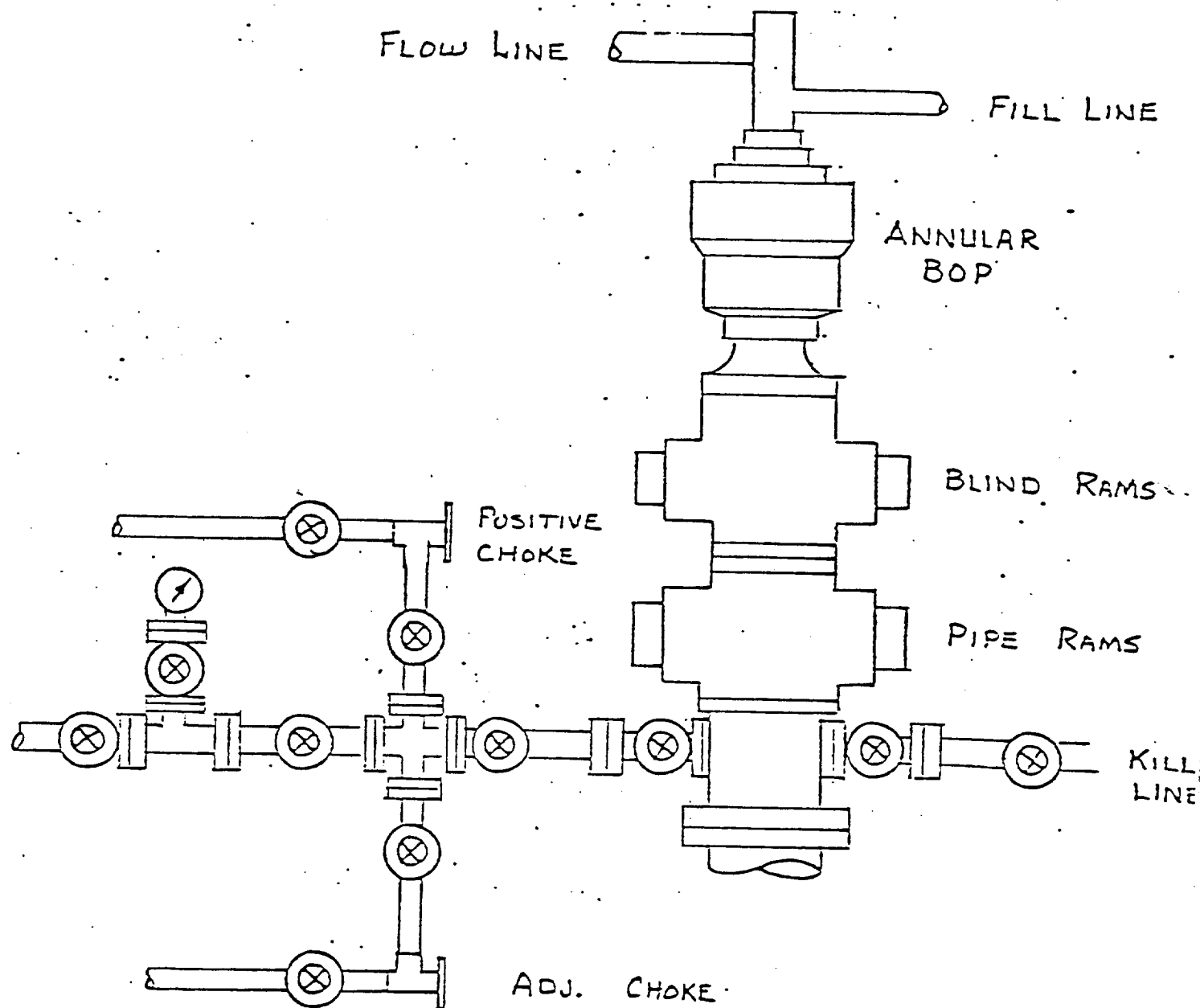
Date Surveyed

August 14, 1984

Registered Professional Engineer
 and/or Land Surveyor

John W. West
 Certificate No. **JOHN W. WEST, 676**

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.