

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-25308

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
 P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 1530' FSL 885' FWL
 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 9.5 miles N of Aztec, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 885'

16. NO. OF ACRES IN LEASE
 2080

17. NO. OF ACRES ASSIGNED TO THIS WELL
 W 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 7775'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6463' gr.

22. APPROX. DATE WORK WILL START*
 ASAP

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	± 250'	Circ cmt to surface
8-3/4"	7"	23#	± 5250'	Circ cmt to surface
6-1/4"	4-1/2"	10.5#, 11.6#	± 7775'	Circ cmt to liner top

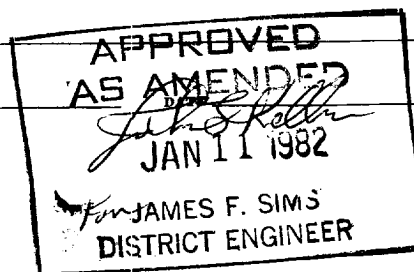
See attached drilling procedure.

Gas is dedicated.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Don H. Morrison TITLE Production Analyst DATE 12/21/81
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-102
Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

All distances must be from the outer boundaries of the Section.

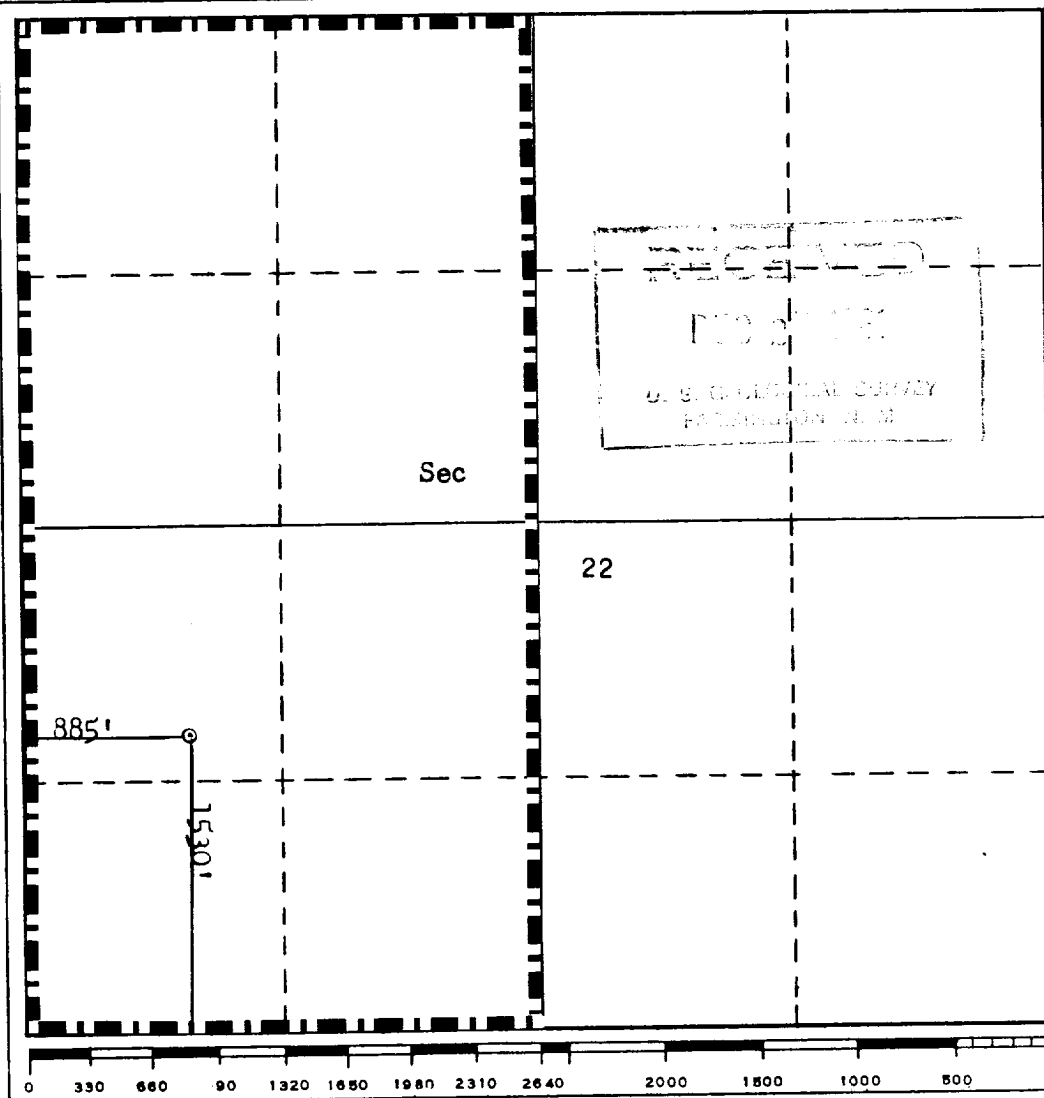
Operator Tenneco Oil Company			Lease Barnes		Well No. 17
Unit Letter L	Section 22	Township 32N	Range 11W	County San Juan	
Actual Footage Location of Well: 1530' feet from the South line and 885' feet from the West line					
Ground Level Elev. 6463	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: W 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 _____

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.

Don H. Morrison
Name

Don H. Morrison

Position

Production Analyst

Company

Tenneco Oil Company

Date

November 18, 1981

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

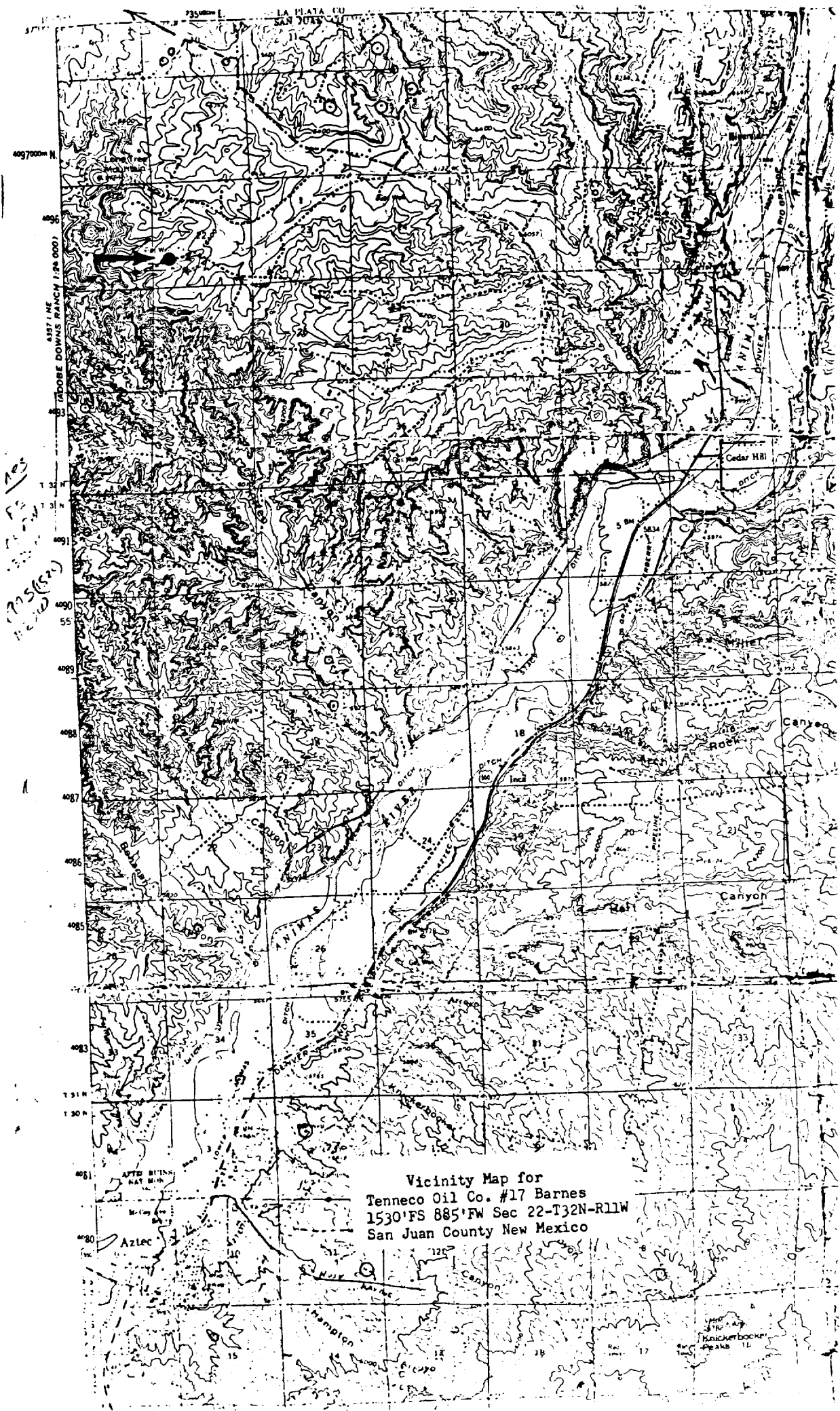
November 18, 1981

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950



Vicinity Map for
Tenneco Oil Co. #17 Barnes
1530'FS 885'FW Sec 22-T32N-R11W
San Juan County New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other2. NAME OF OPERATOR
Tenneco Oil Company3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 801554. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1530' FSL 885' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other)

SUBSEQUENT REPORT OF:

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(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4/25/82 - MIRURT. Spud well at 1:00 p.m. on 4/25/82 w/4 Corners rig #7. Drill 12-1/4" hole to 327'. RU and run 8 jts 9-5/8" 36# K-55 csg, land @ 326'. Cmt w/ National and 285 sx Cl-B and 2% CACL2 and 1/4#/sx celloflake. PD @ 6:30 p.m. 4/25/82. Circ 10 bbls to surface. WOC 6 hrs. NUBOP, test to 1000# for 30 min., ok. WOC.

4/28/82 - TFB #4, lost circ @3250' (50 BW). POOH 16 stds, tight hole, mix mud, RIH and wash 60' to btm. Resume drilling.

4/29/82 - Reach csg pt @ 9 p.m. 4/29/82. Sht trip, circ, POOH, LDDP.

4/30/82 - Run 90 jts 7" 23# K-55 LT&C and 2 jts 7" 23# K-55 ST&C (3744'), landed @ 3727', FC @ 3683', stage tool @ 1488'. Circ 30 min and lost rtns (approx 150 bbls mud). RU National. Cmt 1st stage w/190 sx Cl-B +2% econolite +2% CACL2 + 1/4#/sx celloflake and 150 sx Cl-B w/2% CACL2, all preceded by 20 bbls CW. PD 7:45 a.m. 4/30/82. While pmpg, flush valve on truck open to supply tank, part of flush went to tank. Part displaced cmt dn hole. Didn't bump plug. Cmt 2nd stage w/133 sx Cl-B +2% econolite +2% CACL2 + 1/4#/sx celloflake and 150 sx Cl-B +2% CACL2, all preceded by 20 bbls CW. Lost circ. Set slips. Cut off. Test BOP stack to 1000#, ok. WOC. Ran temp survey, TOC @ 375'. SEE NEXT REPORT.

SIGNED Denise Wilson TITLE Production Analyst DATE 5/10/82

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ACCEPTED FOR RECORD

*See Instructions on Reverse Side

NMOC DIST. 3

MAY 21 1982

FARMINGTON DISTRICT

BY Smh