

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 790' FSL, 1415' FEL
 At proposed prod. zone
 Same as above
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 5 miles east of Turley, NM
 15. DISTANCE FROM PROPOSED*
 LOCATION TO NEAREST
 PROPERTY OR LEASE LINE, FT.
 (Also to nearest drilg. unit line, if any) 790'
 16. NO. OF ACRES IN LEASE
 2549.29
 17. NO. OF ACRES ASSIGNED
 TO THIS WELL
 320 160
 18. DISTANCE FROM PROPOSED LOCATION*
 TO NEAREST WELL, DRILLING, COMPLETED,
 OR APPLIED FOR, ON THIS LEASE, FT. 902'
 19. PROPOSED DEPTH
 3141'
 20. ROTARY OR CABLE TOOLS
 Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6378' GL
 22. APPROX. DATE WORK WILL START*
 ASAP
 DRILLING OPERATIONS AUTHORIZED ARE
 SUBJECT TO COMPLIANCE WITH ATTACHED
 "GENERAL REQUIREMENTS"
 PROPOSED CASING AND CEMENTING PROGRAM

5. LEASE DESIGNATION AND SERIAL NO.
 SF-080597
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Gartner
 9. WELL NO.
 17
 10. FIELD AND POOL, OR WILDCAT
 Blanco Fruitland Coal
 11. SEC., T., R., M., OR BLK.
 AND SURVEY OR AREA
 Sec. 33, T30N, R8W
 12. COUNTY OR PARISH
 San Juan
 13. STATE
 NM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36#	± 200'
8 3/4"	7"	23#	± 2677'
6 1/2"	5 1/2"	23#	± 3141'

See attached Drilling Procedure.

RECEIVED
 SEP 26 1988
 OIL CON. DIV.
 DIST. 2

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 Niles V. Jokela TITLE Staff Analyst DATE 8/18/88
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

HOLD C-104 FOR NSL

(E)

100000

APPROVED BY
 AS AMEND
 SEP 23 1988
 James E. Edwards Jr.
 AREA MANAGER

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

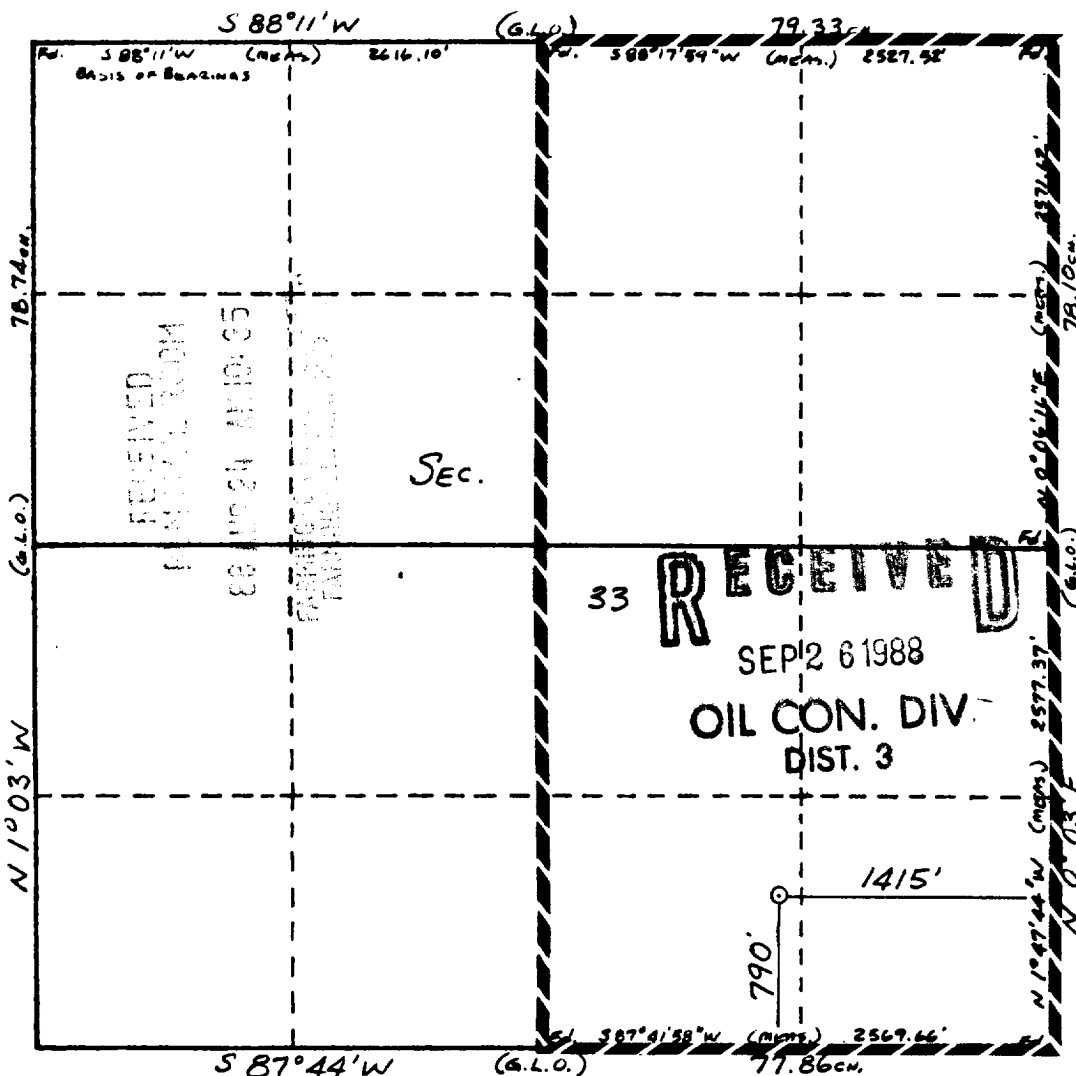
Operator TENNECO OIL COMPANY			Lease GARTNER		Well No. 17
Unit Letter 0	Section 33	Township 30 N	Range 8 W	County SAN JUAN	
Actual Footage Location of Well: 790 feet from the South line and 1415 feet from the East line					
Ground Level Elev. 6378	Producing Formation Blanco	Pool Fruitland Coal	Dedicated Acreage: 320 160 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.

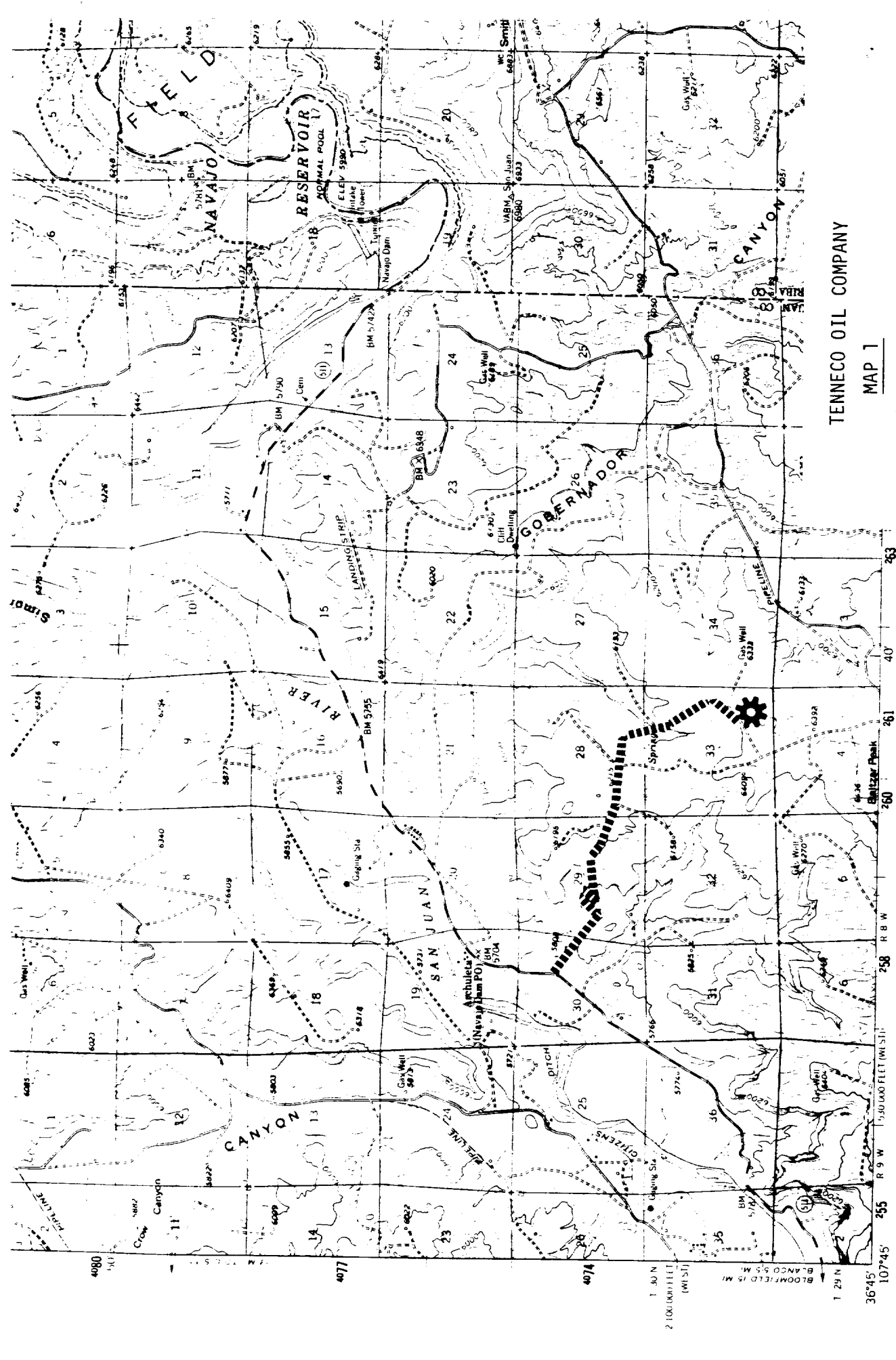
Name
Niles V. Jokela
Position
Staff Analyst
Company
Tenneco Oil Company
Date
8/18/88

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
WILLIAM E. MAHINKA II
Registered Professional Engineer
and
Land Surveyor
#8466
Certificate No. **8466**

G.L.O. AND MEASURED BEARINGS AND DISTANCES SHOWN DUE TO EX. COR. AND N.E. COR. BEING GROSSLY OUT OF POSITION.

FORM 24-11



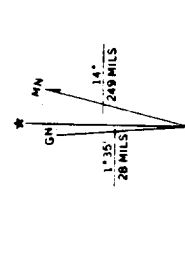
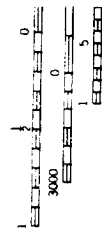
Maped, edited, and published by the Geological Survey

Control by USGS and USC&GS

East half compiled in 1959 from 1:24,000 scale maps dated 1954. West half topography by photogrammetric methods from aerial photographs taken 1955. Field checked 1959.

Polyconic projection. 1927 North American datum. 10,000 foot grid based on New Mexico coordinate system, west and central zones. 1000 meter Universal Transverse Mercator grid ticks, zone 13, shown in blue.

Blue hatching indicates area to be submerged by Navajo Reservoir at elevation 5590 feet.



TENNOCO OIL COMPANY

MAP 1

GARTNER 17

790' FSL, 1415' FEL

Sec. 33, T30N, R8W

San Juan, New Mexico

WELL LOCATION

ACCESS ROAD

