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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE [X] FEE [ ]

5. State Oil & Gas Lease No.
B-1266

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name
State I

2. Name of Operator
Tenneco Oil Company

9. Well No.
20

3. Address of Operator
Box 1031, Midland, Texas

10. Field and Pool, or Wildcat
Grayburg Jackson

4. Location of Well
UNIT LETTER I LOCATED 660 FEET FROM THE East LINE
AND 2130 FEET FROM THE south LINE OF SEC. 21 TWP. 17-S RGE. 29-E NMPM

12. County
Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
2900	San Andres	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3550 GL	In effect	Leatherwood Drlg. Co.	Upon approval

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11	8 5/8	28#	360	suff. to circulate	
6 3/4	4 1/2	10.5#	2900	suff. to cover zones of interest	

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ARTESIA, OFFICE

See attached Prognosis

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED.
EXPIRES 8-3-66

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 J. F. Cornes ~~A.W. Long~~ Title Dist. Prod. ~~Supt.~~ Foreman Date April 28, 1966

(This space for State Use)

APPROVED BY M L Armstrong TITLE OIL AND GAS INSPECTOR DATE MAY 5 1966

CONDITIONS OF APPROVAL, IF ANY:

N MEXICO OIL CONSERVATION COMMIS N

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	Lease	Well No.
TENNECO OIL COMPANY	STATE "I"	20

Unit Letter	Section	Township	Range	County
I	21	17 SOUTH	29 EAST	EDDY

Actual Footage Location of Well: 2130 feet from the SOUTH line and 660 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
	SAN ANDRES - ~~OOLITIC ZONE~~	GRAYBURG JACKSON	40 (NE¼SE¼) 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 _____

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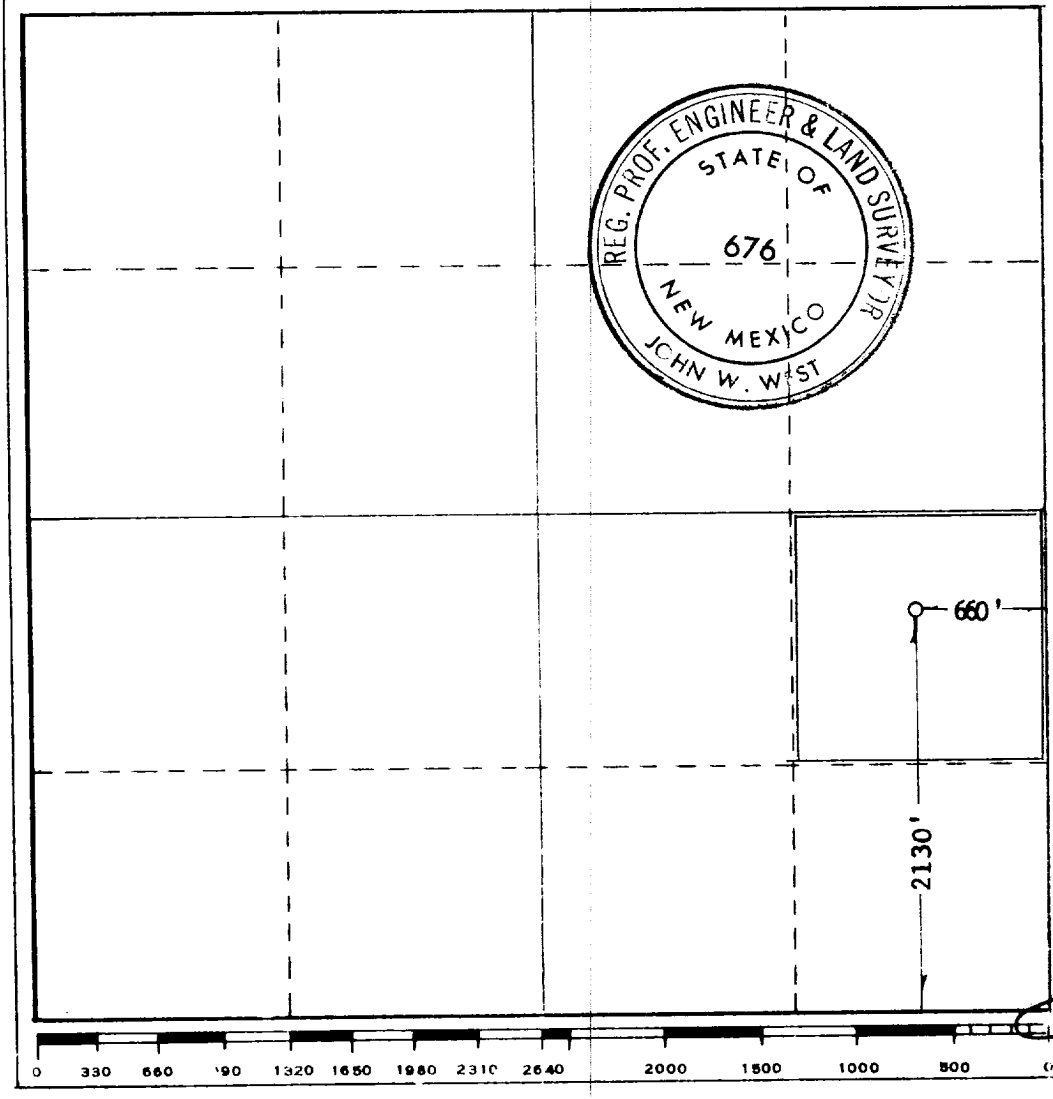
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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: John W West

Position: AGENT

Company: TENNECO OIL COMPANY

Date: 4/25/66

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: 4/25/66

Registered Professional Engineer and/or Land Surveyor: John W West

Certificate No. 676

[illegible]

[illegible]

[illegible] State "I" [illegible] No. 20

[illegible] Grayburg-Jackson [illegible] New Mexico

[illegible] 660' FEL & 2130' FSL, Section 21,
T-17-S, R-29-E, Eddy County, New Mexico

[illegible] 2900'

[illegible] Oil, Pumping [illegible] 3550 GL

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[illegible]

1. Drill 11" hole to 360' with OSC or equivalent.
2. Run and cement 8-5/8", 24#/ft., H-40, ST&C casing to T.D. Cement with class A saturated salt cement. If surface hole is dry drilled because of lost circulation, run a cement basket above the lost circulation zone and fill from the top. Run bar centralizers on guide shoe and bottom two joints. Use guide shoe and insert float.
3. If float holds, release pressure immediately. Center 8-5/8" casing, nipple up and install rotating head and BOP. After 12 hrs. from plug down, go in hole with drill pipe and bit, test casing to 800 psi for 30 min. Drill float collar and cement with water to guide shoe. Blow hole dry with air and drill with air and/or mist to T.D.
4. Drill 6-3/4" hole to T.D. Use W7R-2 or equivalent for first two bits, then run RG7AJ's or equivalents to T.D. Run insert-type reamer at 30' above bit to T.D. Complete drilling program to be furnished to rig.
5. Hole may become wet below 1700'±. Be prepared to mist at this depth.
6. Run 4-1/2", 10.5# casing to T.D. Use guide shoe and float collar. Use centralizers through productive zone.
7. Cement with sufficient class C with 16% gel and 3% salt to reach 2000' (no excess) and tail in with latex-class C to reach 100' above top productive zone (consult Geologist).
8. If float holds, release pressure, set slips & release rig. Run temperature survey after 8 hrs.

		8-5/8										
0-360	360	28			H-40	ST&C						
		4-1/2										
0-2900	2900	10.5			J-55	8rd.						

0-360	Spud mud of bentonite, lime for viscosity as needed. If circulation is lost dry drill to casing point.
360-T.D.	Air and/or mist as needed.

Notes: 1) In the event that hole conditions necessitate going to fluid - brine will be used.
2) Several air or CO_2 blows may occur in the salt section and to a depth of 1400'.
3) Water may occur at 1700'± and misting may be necessary below this depth.
4) Gas may be encountered in Metex sand at 2280'±.

[illegible]

1. [illegible] 900 blowout preventers as per Company specifications.

2. When nippling up, test blowout preventer and manifold to full working pressure with [illegible], or as specified by Company representative.

3. Operate blowout preventers at least once each day, or as Company representative [illegible].

4. An extra [illegible] of drill pipe rams will be required on location at all times while drilling or completing.

5. All choke manifolds, lines and valves will be located at the side of and away from substructure.

[illegible]

1. Drill pipe will be tallied at all coring, testing, logging and casing points.

[illegible] [illegible] return on every trip or every 500', whichever is [illegible] [illegible] surveys will accompany [illegible] your first 1 joint.

[illegible] [illegible] will not go more than 1½° in any 100'. If deviation exceeds [illegible] 100', [illegible] [illegible] pipe and overdrilled.

[illegible] [illegible] will be allowed as follows:

0 - 200	[illegible]°	4000 - 6000	4°
[illegible] - [illegible]	[illegible]°	6000 - 8000	5°
[illegible] - [illegible]	[illegible]°	8000 - 10000	6°
[illegible] - [illegible]	[illegible]°	10000 - 12000	6°

[illegible]

[illegible] A [illegible] will be run, lock load, and rate of penetration will be used.

[illegible] [illegible] drilling time on recorder from 0 to T.D.

[illegible] [illegible] drilling time from 1800 to T.D. on company forms. [illegible] [illegible] or [illegible] on [illegible] with daily [illegible] report.

[illegible]

1. Sonic or density T.D. to surface.

[illegible]

As directed by geologist

[illegible]

None

[illegible]

None

Salt Top	288	Premier Sand	2420
Salt Base	688	San Andres	2443
Yates	688	Oolitic	2618
Queen	1758		
Metex	2280		

[illegible]

[illegible] Daily Drilling Report will be mailed out completely and [illegible] [illegible] copy will be mailed daily to [illegible] Company drilling blocks as soon as each block [illegible] Daily Drilling Report.

[illegible] be kept to show and a cost sheet will be furnished by the operator for [illegible] The contractor's tool pusher will keep these forms current and [illegible] daily cost, total cumulative cost and cumulative mud cost will be [illegible] along with the Gemsco morning report. At the completion of the well, the cost forms will be mailed to Gemsco Oil Company, P. O. Box [illegible], Midland, Texas.

[illegible] morning report shall be called to Gemsco's Midland office as soon after 8:00 [illegible] each weekday morning as practical. Phone number is MU 3-4621, area code 915.

[illegible] notification at other than office hours, call:

PRODUCTION:		EXPLORATION:	
James Eaton	OX 4-7668	A. R. Gibson	MU 4-7545
B. E. Desadier	MU 4-5390	A. W. Lang	MU 2-3010

[illegible]:

A. R. Gibson

[illegible]:

A. R. GIBSON

[illegible]

[illegible]

J. F. CARNES

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MAY 2 [illegible]

May 2, 1966

Tenneco Oil Company
Box 1031
Midland, Texas

Gentlemen:

This will acknowledge receipt of Form C-101, "Notice of Intention to Drill, Deepen, or Plug Back," and Form C-102, "Well Location and Acreage Dedication Plat" for the following described wells.

1. State I No. 21 Ut J 21-17-29
2. State M No. 2 Ut A 21-17-29
3. State I No. 20 Ut I 21-17-29

However, as we only received 3 copies of Form C-102, it will be necessary for you to submit 1 additional copy of Form C-102 for each well before distribution can be made.

Very truly yours,

OIL CONSERVATION COMMISSION

M. L. Armstrong
Supervisor, District No. II

MLA/bh