

May 4, 1966

Tenneco Oil Company
Box 1031
Midland, Texas

Gentlemen:

Enclosed herewith please find Form C-101, "Notice of Intention to Drill, Deepen, or Plug Back." Please show the State Oil & Gas No. Also, we need another Form C-102, "Well Location & Acreage Dedication Plat" for this lease. Further, please send one (1) additional Form C-102 for the State I No. 23, Ut. C, 22-17S-29E, and State I No. 22, Ut. G, 21-17S-29E.

Very truly yours,

OIL CONSERVATION COMMISSION

M. L. Armstrong
Supervisor, District No. II

MLA/bh
Enc.

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U.S.G.S.	1
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
3-1266	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			
1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name	
2. Name of Operator		9. Well No.	
Paneco Oil Company		22	
3. Address of Operator		10. Field and Pool, or Wildcat	
Box 1031, Midland, Texas		Grayburg Jackson	
4. Location of Well		12. County	
UNIT LETTER G LOCATED 1980 FEET FROM THE east LINE		Eddy	
AND 1980 FEET FROM THE north LINE OF SEC. 21 TWP. 17-S RGE. 29-E NMPM			
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

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	

See attached Prognosis.

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MAY 4 1966

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES APRIL 28 1966

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 A.W. Lang Title Dist. Prod. Supt. Date April 28, 1966

(This space for State Use)
APPROVED BY M. Armstrong TITLE Oil and Gas Supervisor DATE MAY 9 1966

CONDITIONS OF APPROVAL, IF ANY:

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

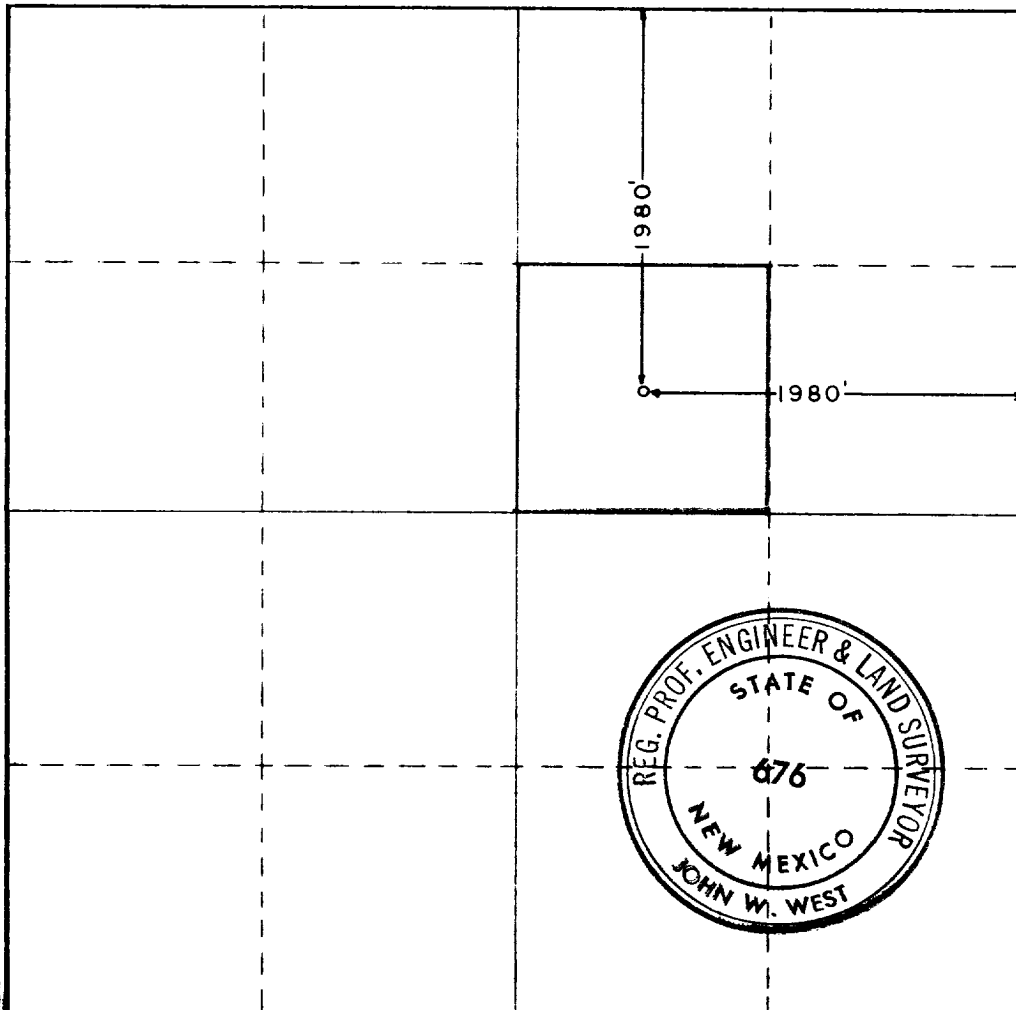
Operator TENNECO OIL COMPANY			Lease STATE "I"		Well No. 22
Unit Letter G	Section 21	Township 17S	Range 29E	County EDDY	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the EAST line					
Ground Level Elev.	Producing Formation SAN ANDRES-GOLIETH ZONE		Pool GRAYSLIDE-JACKSON	Dedicated Acreage: 6.0 (SIX) 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 **RECEIVED MAY 4 1966**

If answer is "no," list the owners and tract descriptions which have actually been consolidated (use reverse side of this form if necessary.) **SEE REVERSE SIDE OF THIS FORM**

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

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SAFETY AND HEALTH

DRILLING PROGRAM

WELL NO.

WELL NO.

State "I"

No. 22

Grayburg-Jackson

New Mexico

1980' FEL & 1980' FNL, Section 21,
T-17-S, R-29-E, Eddy County, New Mexico

2900'

Oil, Pumping

EST. RES.: 3550 GL

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WELL NO. 22

1. Drill 11" hole to 360' with OSC or equivalent.
2. Run and cement 8-5/8", 28#/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' $\frac{1}{2}$. 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.

in. O.D.

Interval

Length

Interval

Grade

Point

Top

Cum. Cost

b. 0-360

8-5/8

in. O.D.

Interval

Grade

Point

Top

Cum. Cost

0-360

28

H-40

ST&C

Top

Cum. Cost

c. 0-2900

4-1/2

in. O.D.

Interval

Grade

Point

Top

Cum. Cost

Interval

Length

in. O.D.

Interval

Grade

Point

Top

Top

Cum. Cost

0-2900

10.5

J-55

8rd.

Top

Cum. Cost

d. 0-1110

in. O.D.

Interval

Grade

Point

Top

Top

Cum. Cost

Interval

Length

in. O.D.

Interval

Grade

Point

Top

Top

Cum. Cost

W.C. Smith
Drill

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 CO₂ blows may occur in the salt section and to a depth of 1400'.
3) Water may occur at 1700' $\frac{1}{2}$ and misting may be necessary below this depth.
4) Gas may be encountered in Metex sand at 2280' $\frac{1}{2}$.

SAFETY PRECAUTIONS

1. Use Union 900 blowout preventers as per Company specifications.
2. When rigging up, test blowout preventer and manifold to full working pressure with cold water, or as specified by Company representative.
3. Operate blowout preventers at least once each day, or as Company representative requires.
4. An extra set 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.

DRILL PIPE MEASUREMENTS

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

Drilling

1. Deviation surveys shall be taken on every trip or every 500', whichever is less. All straight hole surveys will accompany AASDG tour sheet reports.
2. Deviation should not change more than $1\frac{1}{2}^{\circ}$ in any 100'. If deviation exceeds 1° per 100', hole shall be plugged back and straightened.
3. Maximum deviation shall be allowed as follows:

0 - 500	1°	6000 - 8000	1°
500 - 1000	1°	8000 - 10000	2°
1000 - 2000	2°	10000 - 12000	3°
2000 - 4000	3°	12000 - 14000	4°

Drilling

1. A recorder with torque, hook load, and rate of penetration will be used.
2. Record 1' drilling time on recorder from 0 to T.D.
3. Record 10' drilling time from 1800 to T.D. on Company forms. Drill each time as soon as recorded with Daily Drilling Reports.

Drilling

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

Drilling

As directed by geologist

Drilling

None

Drilling

None

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

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BY COMPANY
LITTON

1. The AMCO Daily Drilling Report will be filled out completely and neatly every 8-hour turn. The clear and legible copy will be mailed daily to Tenneco Oil Company. Mail Company Drilling sheets as soon as each sheet is finished with Daily Drilling Report.
2. A daily report sheet and a cost sheet will be furnished by the operator for the well. The contractor's tool pusher will keep these forms current and complete. The daily cost, total cumulative cost and cumulative mud cost will be given daily along with the Tenneco morning report. At the conclusion of the well, the cost forms will be mailed to Tenneco Oil Company, P. O. Box 1031, Midland, Texas.
3. The morning report shall be called to Tenneco's Midland office as soon after 8:00 A.M. each weekday morning as practical. Phone number is MW 3-4621, area code 915.
4. For notifications at other than office hours, call:

REGULAR:

EMERGENCIES:

James Eaton OX 4-7668

A. R. Gibson MU 4-7545

B. E. Desadier MU 4-5390

A. W. Lang MU 2-3010

PREPARED BY:

AFFIRMED BY:

A. R. Gibson

A. R. GIBSON

B. E. Desadier
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A. W. Lang
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J. F. Carnes
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