



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

11 17 AM 0 13
WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

TENNECO OIL COMPANY
(Company or Operator)

Lee Carter
(Lease)

Well No. 1, in NW 1/4 of NW 1/4, of Sec. 22, T. 8-S, R. 35-E, NMPM.
Wildcat Pool, Roosevelt County.
Well is 660 feet from North line and 660 feet from West line of Section 22. If State Land the Oil and Gas Lease No. is
Drilling Commenced May 3, 1963. Drilling was Completed June 10, 1963
Name of Drilling Contractor Cactus Drilling Corporation of Texas
Address P. O. Box 32, Midland, Texas
Elevation above sea level at Top of Tubing Head 4195 (GL). The information given is to be kept confidential until October 22, 1963.

OIL SANDS OR ZONES

No. 1, from to No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8	48	New	318	Guide			Surface String
8 5/8	24 & 32	New	4009	Guide	1487		Intermediate String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2	13 3/8	318	460	Pump & Plug	Native	
12 1/4	8 5/8	4009	350	Pump & Plug	Native	

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Result of Production Stimulation
Depth Cleaned Out

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 9570 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing P & A, 19

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.		T. Devonian		T. Ojo Alamo
T. Salt.	2293	T. Silurian		T. Kirtland-Fruitland
B. Salt.	2540	T. Montoya		T. Farmington
T. Yates.	2736	T. Simpson		T. Pictured Cliffs
T. 7 Rivers		T. McKee		T. Menefee
T. Queen		T. Ellenburger		T. Point Lookout
T. Grayburg		T. Gr. Wash.		T. Mancos
T. San Andres	4003	T. Granite		T. Dakota
T. Glorieta	5390	T.		T. Morrison
T. Drinkard		T.		T. Penn.
T. Tubbs	6832	T.		T.
T. Abo	7645	T.		T.
T. Perm. Bough "C"	9253	T.		T.
T. Miss.		T.		T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	12	12	KB to GL				
12	2736	2724	Red Beds, Salt, & Anhy				
2724	4003	1299	Sd., Sh. & Lm				
4003	7645	3642	Lm. & Dolo w/Sh. Stringers				
7645	8923	1278	Interbedded Lm. & Sh.				
8923	9570	647	Lm. w/Sh. Stringers				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far
as can be determined from available records.

July 25, 1963

(Date)

Company or Operator TENNECO OIL COMPANY

Address P. O. Box 279, Hobbs, N. M., 88240

Name A. W. Lang

Position or Title District Production Superintendent

Lee Carter No. 1
Unit D, Section 22, T-8-S, R-35-E
Roosevelt County, New Mexico

DEVIATION SURVEYS

<u>Depth</u>	<u>Degrees of Deviation</u>	<u>Depth</u>	<u>Degrees of Deviation</u>
243	1/4	6650	1
745	1/4	6870	1/2
1175	1/4	7350	3/4
1709	1/2	7735	0
2210	3/4	8000	1/4
2630	1	8160	1 1/4
3133	3/4	8330	1/2
3634	1/4	8500	1/2
4133	3/4	8660	1/2
4450	1/4	8741	3/4
4710	1/2	8960	1/2
5090	3/4	9090	1
5410	1/4	9190	3/4
5918	1/4	9470	1/2
6360	1		

AFFIDAVIT

State of New Mexico

County of Lea

Before me on this day personally appeared A. W. Lang, known to me to be the person whose name is subscribed to this instrument, who after being duly sworn on Oath states that he represents Tenneco Oil Company in the capacity of District Production Superintendent and that said report of Deviation Surveys contains no misstatements or inaccuracies and that no pertinent matter has been omitted, and that affiant is duly authorized to make this affidavit.

TENNECO OIL COMPANY

A. W. Lang A. W. Lang

Sworn to and subscribed before me this 25th day of July, 1963.

Isabella M. Brewster Notary Public in and for Lea County, New Mexico.

My Commission Expires February 13, 1966.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x f(t) dt + g(x)$$

where $g(x)$ is a given function. It is shown that the function $f(x)$ is uniquely determined by the condition $f(0) = 0$ and the equation

$$f(x) = \int_0^x f(t) dt + g(x)$$

It is also shown that the function $f(x)$ is continuous and differentiable at $x=0$ and that the derivative $f'(0)$ is equal to $g'(0)$.

2. The second part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x f(t) dt + g(x)$$

It is shown that the function $f(x)$ is uniquely determined by the condition $f(0) = 0$ and the equation

$$f(x) = \int_0^x f(t) dt + g(x)$$



It is also shown that the function $f(x)$ is continuous and differentiable at $x=0$ and that the derivative $f'(0)$ is equal to $g'(0)$.

3. The third part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation