

**Santa Fe, New Mexico**

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

**Texas Crude Oil Company**  
(Company or Operator)

Tennessee-Federal 2-21  
(Leas)

Well No. 2-21, in SW  $\frac{1}{4}$  of SW  $\frac{1}{4}$ , of Sec. 21, T. 19-S, R. 31-E, NMPM.  
Ind North Hackberry Pool, Eddy County.

Well is 330 feet from South line and 330 feet from West line  
of Section 21 If ~~State~~ Land the Oil and Gas Lease No. is 063622 Federal S.E. No.

Drilling Commenced.....12-3-....., 19 62. Drilling was Completed.....12-19-....., 19 62.

Name of Drilling Contractor.....Southwestern, Inc.

Address.....Lovington, New Mexico

Elevation above sea level at Top of Tubing Head.....3489  
February 1, 1963

The information given is to be kept confidential until

**OIL SANDS OR ZONES**

No. 1, from 2127 to 2135 No. 4, from to  
No. 2, from 2140 to 2162 No. 5, from to  
No. 3, from 2177 to 2186 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 None 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
8-5/8	32	Used	687	Texas	None		
5-1/2	14	Used	2214	Guide	None	2127-35, 2140-62, 2177-86	

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11	8-5/8	687	125	Pump	10.4	10 sx
8	5-1/2	2214	100	Pump	10.4	25 sx

### RECORD OF PRODUCTION AND STIMULATION

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

250 gallons mud acid, followed w/20,000 gals. frac oil and 30,000# sand.

**Result of Production Stimulation** Well pumped 41 BOPD after load oil recovery.

## ...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... feet to... feet, and from... feet to... feet.  
Cable tools were used from... feet to... feet, and from... feet to... feet.

PRODUCTION

Put to Producing... , 19...  
OIL WELL: The production during the first 24 hours was... barrels of liquid of which... % 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...	415	T. Devonian...	T. Ojo Alamo...
T. Salt...	667	T. Silurian...	T. Kirtland-Fruitland...
B. Salt...	1952	T. Montoya...	T. Farmington...
T. Yates...	2126	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...		T. Granite...	T. Dakota...
T. Glorieta...		T. ...	T. Morrison...
T. Drinkard...		T. ...	T. Penn...
T. Tubbs...		T. ...	T. ...
T. Abo...		T. ...	T. ...
T. Penn...		T. ...	T. ...
T. Miss...		T. ...	T. ...

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	180	180	Surface beds				
180	415	235	Bedded				
415	667	252	Anhydrite				
667	1952	1285	Salt				
1952	2050	1098	Anhydrite				
2050	2127	77	Anhydrite, lime				
2127	2162	35	Sand				
2162	2174	12	Sand, anhydrite				
2174	2196	22	Sand				
2196	2205	9	Lime, sand				
2205	2214	9	Lime				

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.

January 6, 1961  
Company or Operator...  
Name...  
Address...  
Position or Title...