

Santa Fe, New Mexico

WELL RECORD

**AREA 640 ACRES
LOCATE WELL CORRECTLY**

Texas Pacific Coal & Oil Company
(Company or Operator)

State NAW A/c-1 (Lan) 2

Well No. 48, in NM $\frac{1}{4}$ of NE $\frac{1}{4}$, of Sec. 9, T. 22S, R. 36E, NMPM.

South Union Pool, Lea County.

Well is 660 feet from North line and 1980 feet from East line

of Section 9 If State Land the Oil and Gas Lease No. is NG-2A

Drilling Commenced.....August 22....., 1960..... Drilling was Completed.....September 2....., 1960.....

Name of Drilling Contractor.....**FMA Drilling Company**.....

Address.....**Wichita Falls, Texas**.....

Elevation above sea level at Top of Tubing Head.....**3577**..... The information given is to be kept confidential until
..... 19.....

No. 1, from 3770 to 3817 No. 4, from..... to.....

No. 2, from.....to..... No. 5, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

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.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8	24#	New	320	Float			Surface
5-1/2	14#	New	3760	Float			Production Str

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11	8-5/8	330	300 + 1.5 Gal	Pump & Plug		
7-7/8	5-1/2	370	250 + 1.5 Gal	Pump & Plug		

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

Open Hole Vibro-Frased @ 3790-96' with 3 No. 3 Charges.

Sand Oil Treat w/20,000 gals. refined oil & 20,000# sand.

Result of Production Stimulation..... Stripped 60 bbls. oil, 20 bbls. water in 7 hrs.

~~Tested on 9/15/60.~~

..Depth Cleaned Out.....3817...RTM

RECORD OF DRILL-STEM AND SPECIAL 1 28

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 3817 RTM feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing September 15, 19 60.

OIL WELL: The production during the first 24 hours was 80 barrels of liquid of which 75 % was
was oil; 0 % was emulsion; 25k % water; and 0 % was sediment. A.P.I.
Gravity 35°

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

T. Anhy. 1502
T. Salt 1734
B. Salt 2975
T. Yates 3153
T. 7 Rivers 3391
T. Queen 3770
T. Grayburg
T. San Andres
T. Glorieta
T. Drinkard
T. Tubbs
T. Abo
T. Penn
T. Miss

T. Devonian
T. Silurian
T. Montoya
T. Simpson
T. McKee
T. Ellenburger
T. Gr. Wash
T. Granite
T.
T.
T.
T.
T.

Northwestern New Mexico

T. Ojo Alamo
T. Kirtland-Fruitland
T. Farmington
T. Pictured Cliffs
T. Menefee
T. Point Lookout
T. Mancos
T. Dakota
T. Morrison
T. Penn
T.
T.
T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	336	336	Caliche, Sand & Red Bed				
336	1122	786	Red Bed				
1122	1530	408	Anhy. Red Bed				
1530	2861	1331	Anhy. & Salt				
2861	3182	321	Anhyd. Lime				
3182	3404	222	Lime & Sand				
3404	3719	315	Lime				
3719	3743	24	Lime & Sand				
3743	3757	14	Lime				
3757	3770	13	Lime & Sand				
3770	3817	47	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.

September 27, 1960 (Date)
Company or Operator Texas Pacific Coal & Oil Co. Address P. O. Box 1688 Hobbs, N. Mex.
Name Position Title Petroleum Engineer