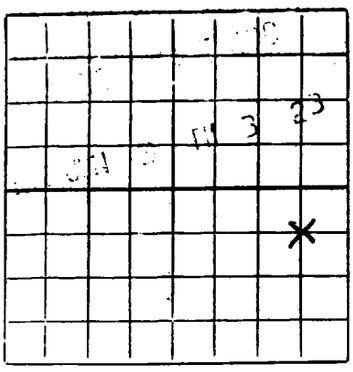
(Revised 7/1/52)
(Form C-105)



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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

Forest Oil Corporation (Company or Operator) State "A" (Lease)

Well No. 2, in NE ¼ of SE ¼, of Sec. 26, T. 16-S, R. 33-E, NMPM.

(Kemnitz) Undesignated Wolfcamp Pool, Lea County.

Well is 1980' feet from south line and 660' feet from east line of Section 26. If State Land the Oil and Gas Lease No. is E-9538

Drilling Commenced 2-13-, 1958 Drilling was Completed 4-30-, 1958

Name of Drilling Contractor Llano Drilling Company

Address 301 V & J Tower, Midland, Texas

Elevation above sea level at Top of Tubing Head 4171' (DF 4180) The information given is to be kept confidential until -, 19-

OIL SANDS OR ZONES

No. 1, from 10,789 to 10,821 No. 4, from ... to ...

No. 2, from 10,807 to 10,867 No. 5, from ... to ...

No. 3, from 11,503 to 11,523 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 none tested 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"OD	48#	New	352.39	None			
8 5/8"OD	32#	New	4499.60	Baker Float			
5 1/2"OD	17# & 20#	New	11,638.78	Baker Float		10,789-10,821	For Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17½"	13 3/8"	368.59	350	Pump & plug		
12¼" & 11"	8 5/8"	4514.51	1650	Pump & plug		
7 7/8"	5 1/2"	11,649.98	425	Pump & plug		

RECORD OF PRODUCTION AND STIMULATION

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

See attachments (2)

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 11,650 feet, and from - feet to - feet.

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

PRODUCTION

Put to Producing May 29, 19 58

OIL WELL: The production during the first 24 hours was 81.61 barrels of liquid of which 99.8 % was was oil; 2/10 of 1 % was emulsion; - % water; and - % was sediment. A.P.I. Gravity 40.3

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 1495	T. Devonian	T. Ojo Alamo	
T. Salt 1605	T. Silurian	T. Kirtland-Fruitland	
B. Salt 2605	T. Montoya	T. Farmington	
T. Yates 2792	T. Simpson	T. Pictured Cliffs	
T. 7 Rivers -	T. McKee	T. Menefee	
T. Queen 3695	T. Ellenburger	T. Point Lookout	
T. Grayburg 4127	T. Gr. Wash	T. Mancos	
T. San Andres 4465	T. Granite	T. Dakota	
T. Glorieta 5923	T.	T. Morrison	
T. ~~Drinkard~~ Clearfork 6590	T.	T. Penn	
T. Tubbs 7190	T.	T.	
T. Abo 7969	T.	T.	
T. Penn Wolfcamp 9588	T.	T.	
T. Miss 11,250	T.	T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	250	250	Shell & Caliche				
250	375	125	Red bed				
375	1510	1135	Red bed				
1510	1575	65	Red bed & gyp				
1575	2945	1370	Salt & anhydrite				
2945	3018	73	Anhydrite				
3018	3352	334	Anhydrite & Lime shells				
3352	3712	360	Lime & anhydrite				
3712	8300	4588	Lime				
8300	8463	163	Lime & shale				
8463	9464	1001	Lime				
9464	9517	53	Lime & shale				
9517	10,983	1466	Lime				
10,983	11,020	37	Lime & cheat				
11,020	11,334	314	Lime				
11,334	11,348	14	Lime & shale				
11,348	11,368	20	Lime				
11,368	11,446	78	Lime & shale				
11,446	11,615	169	Lime				
11,615	11,650	35	Lime & shale				

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.

June 2, 1958
(Date)

Company or Operator Forest Oil Corporation

Address Box 4106, Odessa, Texas

Name J. R. Wright (J. R. Wright)

Position or Title Division Production Superintendent

STATE "A" # 2

NE¼ SE¼ Sec. 26, T-26-S, R-33-E, NPM, Lea County, New Mexico

April 29, 1958

Open Hole Drill Stem Test #1 - Pennsylvanian. Johnston Packer set at 11,500' TD 11,650' (open hole), 5/8" X 1" choke, 2000' water cushion, tool open 2 hours. Recovered: 2000' gas cut water cushion, 365' gas cut mud, 6280' gas cut salt water - no oil. Hydrostatic Pressure in 5775#, Hydrostatic Pressure out 5745#, initial flowing pressure 1750#, final flowing pressure 3865#, 30 minute closed in pressure 3975#.

May 2, 1958

Perforated 5½" casing, Pennsylvanian Formation with 4-bullets per foot from 11,503 to 11,523 (PBTD).
Drill Stem Test #2 - Pennsylvanian Perforations.
Johnston Hookwall Packer set at 11,470', tested perforations 11,503' to 11,523', tool open 2½ hours, gas to surface in 40 minutes. Recovered: 630 heavily oil & gas cut mud, 5790' Heavily gas cut salt water, estimated 15% oil, 3190' heavily gas cut salt water. No show. Hydrostatic Pressure in 5790#, Hydrostatic Pressure out 5650#, initial flowing pressure 145#, final flowing pressure 3310#, 30 minute closed in pressure, not recorded.

Set a Baker Model "K" Cement Retainer at 11,400' to squeeze perforations from 11,503 to 11,523. Could not pump into formation with 4500# pressure, dropped bridging ball, left 60' of cement above retainer, top cement at 11,040'.

May 3, 1958

Perforate bottom of lower Wolfcamp, 4-bullets per foot from 10,867' to 10,883'.
Drill Stem Test #3A - Lower Wolfcamp. Johnston Hookwall Packer set at 10,834' - tested perforations 10,867' to 10,883', tool open 2 hours. Recovered: 1570' heavily oil and gas cut mud, estimate 15% oil, 5120' salt water. Hydrostatic Pressure in 5325#, Hydrostatic Pressure out 5310#, initial flowing pressure 125#, final flowing pressure 2705#, 30 minute closed in pressure 3140#.

May 4, 1958

Set a Baker Model "K" Retainer at 10,845', could not break formation with water with 5500# pressure. Dropped bridging ball, spotted 20 sacks of cement on top of Retainer and reversed cement out at 10,825', top cement and P.B.T.D. 10,825'.

May 5, 1958

Perforated the upper section of the Lower Wolfcamp with 4-bullets per foot from 10,789' to 10,821. Ran a Baker "RC" Full Bore Packer, set at 10,722' with 2 3/8" OD EUE tubing below packer to 10,807'. Acidized formation through casing perforations 10,789' to 10,821' under packer set at 10,722' with 500 gallons mud acid, and 1500 gallons 15% retarded acid. Fed 6 barrels acid in formation in 6 hours, maximum pressure 6600#, minimum pressure 5500#, formation "broke" slightly and took 42 barrels acid at 0.8 to 1.0 barrel per minute, maximum pressure 6500#, minimum presure 5650#.

May 6 & 7, 1958

Swabbed test 15½ hours. Recovered: 80 barrels of fluid, 64 barrels load and acid water, 16 barrels new oil, fluid level 10,400'.

Re-acidized 2nd stage same perforations, 10,789' to 10,821', under packer set at 10,722' with 3000 gallons 15% acid, maximum pressure 5000#, minimum pressure 4650#, injection rate acid 6/10 and flush 5/10 barrels per minute. Swabbed and flowed 22½ hours, 221.40 barrels of fluid, 135 barrels new oil and 86.40 barrels load and acid water, fluid level at end of test at 7000'.

STATE "A" # 2

NE¼ SE¼ Sec. 26, T-26-S, R-33-E, NMPM, Lea County, New Mexico

April 29, 1958

<u>Open Hole Drill Stem Test #1</u> - Pennsylvanian. Johnston Packer set at 11,500' TD 11,650' (open hole), 5/8" X 1" choke, 2000' water cushion, tool open 2 hours. Recovered: 2000' gas cut water cushion, 364' gas cut mud, 6280' gas cut salt water - no oil. Hydrostatic Pressure in 5775#, Hydrostatic Pressure out 5745#, initial flowing pressure 1750#, final flowing pressure 3565#, 30 minute closed in pressure 5375#.

May 2, 1958

Perforated 5½" casing, Pennsylvanian Formation with 4-bullets per foot from 11,503 to 11,523 (PBTD).

<u>Drill Stem Test #2</u> - Pennsylvanian Perforations.
Johnston Hookwall Packer set at 11,470', tested perforations 11,503' to 11,523', tool open 2½ hours, gas to surface in 40 minutes. Recovered: 650 heavily oil & gas cut mud, 5700' heavily gas cut salt water, estimated 15% oil, 3190' heavily gas cut salt water. No show. Hydrostatic Pressure in 5790#, Hydrostatic Pressure out 5530#, Initial flowing pressure 145#, final flowing pressure 3310#, 30 minute closed in pressure, not recorded.

Set a Baker Model "K" Cement Retainer at 11,400' to squeeze perforations from 11,503 to 11,523. Could not pump into formation with 4500# pressure, dropped priming ball, left 60' of cement above retainer, top cement at 11,040'.

May 3, 1958

Perforate bottom of lower Wolfcamp, 4-bullets per foot from 10,857' to 10,883'.

<u>Drill Stem Test #3A</u> - Lower Wolfcamp. Johnston Hookwall Packer set at 10,834' - tested perforations 10,867' to 10,883', tool open 2 hours. Recovered: 1570' heavily oil and gas cut mud, estimate 15% oil, 5120' salt water. Hydrostatic pressure in 5320#, Hydrostatic Pressure out 5310#, initial flowing pressure 125#, final flowing pressure 2705#, 30 minute closed in pressure 3140#.

May 4, 1958

Set a Baker Model "K" Retainer at 10,843', could not break formation with water with 5500# pressure. Dropped bridging ball, spotted 20 sacks of cement on top of Retainer and reversed cement out at 10,825', top cement and P.B.T.D. 10,825'.

May 5, 1958

Perforated the upper section of the Lower Wolfcamp with 4-bullets per foot from 10,789' to 10,821. Ran a Baker "RC" Full Bore Packer, set at 10,712' with 2 3/8" OD EUE tubing below packer to 10,907'. Acidized formation through casing perforations 10,789' to 10,821' under packer set at 10,722' with 500 gallons mud acid, and 1500 gallons 15% retarded acid. Fed 6 barrels acid in formation in 6 hours, maximum pressure 6600#, minimum pressure 5500#, formation "broke" slightly and took 42 barrels acid at 0.8 to 1.0 barrel per minute, maximum pressure 6500#, minimum pressure 5550#.

May 6 & 7, 1958

Swabbed test 15½ hours. Recovered: 80 barrels of fluid, 64 barrels load and acid water, 16 barrels new oil, fluid level 10,400'.

Re-acidized 2nd stage same perforations, 10,789' to 10,821', under packer set at 10,722' with 3000 gallons 15% acid, maximum pressure 5000#, minimum pressure 4650#, injection rate acid 6/10 and flush 5/10 barrels per minute. Swabbed and flowed 22½ hours, 221.40 barrels of fluid, 135 barrels new oil and 86.40 barrels load and acid water, fluid level at end of test at 7000'.

May 8, 1958

Re-acidized, stage #3, - same perforations 10,789' to 10,821' under packer set at 10,722' with 5000 gallons 15% acid and 5000 gallons retarded acid, maximum pressure 4650#, minimum pressure 2700#, injection rate 3.3 and 2.8 barrels per minute. Swabbed 19 hours, 249 barrels fluid, 99 barrels new oil, 150 barrels load water and acid water fluid level at 6000'.

May 9, 1958

Swabbed 11 hours, 156.64 barrels fluid, 105.72 barrels new oil, 50.92 barrels load acid water. Fluid level at 5500', discontinued swabbing left well open 13 hours flowed by heads 21.65 barrels fluid 1% acid water and died.

May 10, 1958

Swabbed 10 hours, 135 barrels fluid, 119 barrels new oil, 16 barrels acid water, fluid level at 6000'. Discontinued swabbing 14 hours, well flowed 32.48 barrels of new oil and died.

May 11, 1958

Swabbed 8 hours, 100 barrels fluid, 95 barrels new oil, 5 barrels acid water, fluid level 7000'. Discontinued swabbing, left well open 16 hours, flowed 40.60 barrel new oil.

May 12, 1958

Pulled 2 3/8" OD EUE tubing and Baker "RC" Full Bore Packer, ran a Baker "D-5" Production Packer on Lane-Wells Wire Line and set at 10,745'. Ran 2 3/8" OD EUE 8 RT 4.70# N-80 tubing with Kobe Bottom Hole Pump Assy' and set on Baker "D-5" Packer at 10,745', with 3 joints 63.70' - 1¼" EUE 10 RT Kobe tubing below packer with bottom 8' of bottom joint "slotted" with bottom bull plugged.

Installed Hydraulic Pumping equipment.

STATE "A" No. 2
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May 8, 1958

Re-acidized, stage #3, - same perforations 10,788' to 10,821' under packer set at 10,732' with 3000 gallons 15% acid and 3000 gallons retarded acid, maximum pressure 4650#, minimum pressure 2700#, injection rate 3.3 and 2½ barrels per minute. Swabbed 15 hours, 240 barrels fluid, 99 barrels new oil, 150 barrels load water and acid water fluid level at 6000'.

May 9, 1958

Swabbed 11 hours, 156.64 barrels fluid, 103.72 barrels new oil, 50.92 barrels load acid water. Fluid level at 5500', discontinued swabbing left well open 13 hours flowed by heads 21.65 barrels fluid 1% acid water and died.

May 10, 1958

Swabbed 10 hours, 132 barrels fluid, 119 barrels new oil, 13 barrels acid water, fluid level at 6000'. Discontinued swabbing 14 hours, well flowed 32.48 barrels of new oil and died.

May 11, 1958

Swabbed 6 hours, 100 barrels fluid, 95 barrels new oil, 5 barrels acid water, fluid level 7000'. Discontinued swabbing, left well open 16 hours, flowed 40.00 barrel new oil.

May 12, 1958

Pulled 2 3/8" OD IJ tubing and Baker "EL" Full bore packer, ran a Baker "D-3" Production Packer on Lane-Wells wire line and set at 10,745', Ran 2 3/8" OD EUE 8 RD 4.7# N-80 tubing with Knox bottom hole tools Assy' and set on packer "D-3" Packer at 10,745', with 3 joints 63.70' - 1¼" EUE 10 RT Knox tubing below packer with bottom 8' of bottom joint "slotted" with bottom hull plugged.

Installed hydraulic tubing equipment.