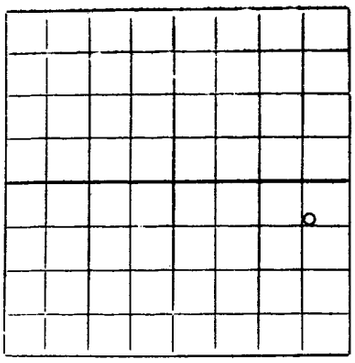
(Revised 7/1/58)
(Form C-105)



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

The Pure Oil Company (Company or Operator) State-Lea "E" (Lease)

Well No. 3, in NE ¼ of SE ¼, of Sec. 21, T. 16-S, R. 34-E, NMPM.

Kemnitz Wolfcamp Pool, Lea County.

Well is 560 feet from East line and 2080 feet from South line of Section 21. If State Land the Oil and Gas Lease No. is 06-180

Drilling Commenced February 20, 1959. Drilling was Completed April 12, 1959

Name of Drilling Contractor Carl J. Westlund, Inc.

Address P. O. Box 197, Midland, Texas

Elevation above sea level at Top of Tubing Head 4098' SCF The information given is to be kept confidential until ....., 19.....

OIL SANDS OR ZONES

No. 1, from 10,706' to 10,720' 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
11-3/4"	42#	New	371'	Larkin Guide Shoe			
8-5/8"	32#, 24#	New	3852'	Larkin Float Guide Shoe			
5-1/2"	20#, 17#	New & "B"	10764'	Baker Differential Float Shoe		10712'-10726' *	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	11-3/4"	371'	375	Pump and plug		
11"	8-5/8"	3852'	1200	Pump and Plug		
7-7/8"	5-1/2"	10764'	400 and 400 Pozmix	Pump and plug		

RECORD OF PRODUCTION AND STIMULATION

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

* 5-1/2" OD Casing perforated 10,712'-10,726' w/ 56 jet shots; perforations acidized w/ 500 gals. Mud Acid.

Result of Production Stimulation .....

Depth Cleaned Out .....

RECORD OF DRILL-STEM AND SPECIAL TS

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 10,765 feet, and from ..... feet to ..... feet.

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

PRODUCTION

Put to Producing April 17, 19 59

OIL WELL: The production during the first 24 hours was 297 barrels of liquid of which 100 % was was oil; 0 % was emulsion; 0 % water; and 0 % was sediment. A.P.I. Gravity 39.6 @ 60 deg. (based on 18 hour flowing test, 18/64" choke, 223 bbls. oil)

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~~ Kemnitz	10700'	T. Ojo Alamo	
T. Salt		T. Silurian		T. Kirtland-Fruitland	
B. Salt		T. Montoya		T. Farmington	
T. Yates		T. Simpson		T. Pictured Cliffs	
T. 7 Rivers		T. McKee		T. Menefee	
T. Queen		T. Ellenburger		T. Point Lookout	
T. ~~Grayburg~~ PENROSE	4015'	T. Gr. Wash		T. Mancos	
T. San Andres	4435'	T. Granite		T. Dakota	
T. Glorieta	6030'	T.		T. Morrison	
T. ~~Paddock~~ CLEARFORK	6610'	T.		T. Penn	
T. Drinkard	7232'	T.		T.	
T. Tubbs	8018'	T.		T.	
T. Abo	9780'	T.		T.	
T. ~~Penn~~ WOLFCAMP	10485'	T.		T.	
T. ~~Miss~~ BURSUM		T.		T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation
0	1024	1024	Redbed
1024	1640	616	Redbed & anhydrite
1640	1705	65	Anhydrite & gypsum
1705	1810	105	Salt & anhydrite
1810	2510	700	Salt
2510	2840	330	Salt & anhydrite
2840	3195	355	Anhydrite & gypsum
3195	3354	159	Anhy., lime & gypsum
3354	3420	66	Anhydrite & lime
3420	3472	52	Anhydrite
3472	3768	296	Anhydrite & gypsum
3768	3805	37	Anhydrite
3805	3852	47	Anhydrite & gypsum
3852	3858	6	Anhydrite & lime
3858	4063	205	Lime
4063	4587	524	Sand & lime
4587	4687	100	Lime
4687	4783	96	Lime & sand
4783	4832	49	Lime
4832	4976	144	Lime & sand
4976	5101	125	Lime
5101	5195	94	Sand & lime
5195	5371	176	Lime
5371	5614	243	Lime & sand
5614	5775	161	Lime
			(continued)
5775	5964	189	Lime & sand
5964	6013	49	Lime
6013	6126	113	Lime & sand
6126	6202	76	Lime
6202	6314	112	Lime & sand
6314	6911	597	Lime
6911	6955	44	Lime & sand
6955	7030	75	Lime
7030	7146	116	Lime & sand
7146	7657	511	Lime
7657	7711	54	Lime & sand
7711	10219	2508	Lime
10219	10297	78	Lime & shale
10297	10326	29	Lime
10326	10450	124	Lime & shale
10450	10477	27	Lime
10477	10765	288	Lime & shale
	10765		TOTAL DEPTH
10765	10737	28	PBTD (Top of cement inside 5-1/2" OD Casing)

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.

May 5, 1959 (Date)

Company or Operator The Pure Oil Company Address P. O. Box 2107, Fort Worth 1, Texas

Name J. L. Suttle Position or Title Chief Clerk

DRILL STEM TEST:

Ran Drill Stem Test 10,690'-10,715', 1" x 1/2" chokes, bottom 1700' of drill pipe charged with nitrogen to a pressure of 800 psi, tool open 5 hours, air to surface in 3 minutes, gas in 38 minutes, oil in 2 hours 35 minutes. First hour flowed 17 bbls oil, next hour and 24 minutes 18-1/2 barrels oil. Reversed out 27 barrels oil, gravity 37 deg. at 60 deg., gas-oil ratio 1580 CF/B. Pulled out of hole, recovered 90' of oil cut mud below tool, no water, 30 minute initial shut in pressure 2960#, flowing pressure initial 1110#, final 1490#, 2 hour final shut in pressure 2835#, increasing slightly, hydrostatic pressure 5170#-5035#, bottom hole temperature 154 deg.

DEFLECTION TESTS

DEPTH	DEGREES	DEPTH	DEGREES
150	1/2	6225	1-1/2
376	3/4	6458	1-1/2
700	1/4	6575	1-1/2
1080	1/2	6760	1-1/2
1370	1/4	6890	1-3/4
1682	1/4	7200	1-3/4
2100	1/4	7390	1-3/4
2500	1/4	7520	1-3/4
2840	3/4	7640	2
3195	1/2	7775	2
3415	3/4	7865	2
3575	1/2	8065	2
3768	1/4	8460	2
3850	3/4	8575	2
4060	3/4	8710	2-1/4
4537	3/4	8815	2-1/4
4680	1/2	9060	1-3/4
4832	3/4	9215	1-3/4
4975	1/2	9600	2-1/2
5190	1	9745	2-3/4
5390	1	9990	2-1/4
5580	1	10215	2-1/4
5825	1-1/4	10300	2-1/2
5978	1-1/2		