

15-147-00893-00-00

610 Petroleum Bldg.
Wichita, Kansas
Oct. 15, 1951

Re: Phillips Petroleum Company
#3 Miller "A"
NW SW NW, Sec. 13-3-19 W.
Phillips County, Kansas
Elev. 2007 D.F.

Mr. A. J. Willis

Mr. C. W. Gargile
Bartlesville Office

Dear Sir:

The following is our interpretation of information derived from samples, time log and electric log on the #3 Miller "A":

All measurements are taken from rotary bushing.

Formation Tops:

	<u>Samples</u>		<u>Electric Log</u>
Howard	2898 (-891)		2896 (-891)
Topoka	2927 (-920)		2924 (-917)
Top Silt Zone	2985 (-978)		2987 (-980)
Base Silt Zone	3012 (-1005)		3013 (-1006)
Hochner	3094 (-1087)		3096 (-1089)
Toronto	3118 (-1111)		3120 (-1113)
Lansing-Kansas City	3137 (-1130)		3140 (-1133)
Drum	3265 (-1258)		3266 (-1259)
Base Kansas City	3362 (-1355)		3362 (-1355)
Rotary Total Depth	3375 (-1368)		3375 (-1368)

3153 -1135

322-90 2/3

The electric log tops are taken to be correct.

Shows of Oil:

	<u>Sample</u>	<u>Electric Log</u>	<u>Remarks</u>
320-28 Show 16 feet			
320-30			
346-54	3137-42, Poor to fair oolitic porosity, fair to even saturation, no odor, fair show of free oil.	3140-50, Poor streaked porosity, good possibility for oil due to fractures.	3140-50
3340 3391	3168-71, Poor porosity, good even saturation, no odor, slight fluorescence.	3169-76, Good porosity, good possibilities for oil.	3169-76
35E LKC	3228-32, Good porosity, good even saturation, show free oil, fair fluorescence.	3229-40, Fair porosity, fair possibilities for oil, possibly tight.	3229-40
380	3290-92, Very poor porosity, trace stain.	3291-3300, Hence poor possibilities for oil.	Hence.

ELC 1376.0
12-13-76

3309-12, Poor porosity, poor to good spotted saturation, no odor, poor fluorescence, dry.

3306-11, Poor porosity, None to dense, poor possibilities for oil.

3334-16, Poor porosity, trace stain.

3335-11, Poor to fair porosity, None water in lower walls.

The 5 $\frac{1}{2}$ inch casing was set at 3338 or 27 feet off bottom, the total depth being 3375 in the Pleasanton silt.

The specified zones should be perforated and acidized starting at the bottom and progressing upward until all zones are open or maximum production reached. Each individual zone should be perforated from the top downward.

Very truly yours,

Wm. W. Marshall

Wm. W. Marshall

Approved by

R. P. Lehman
Roy P. Lehman

WWS/sb

CC: L. E. Fitzjerald
C. A. Daniels
F. W. Shelton
A. J. Willis
F. J. Letinck
J. S. Williams