



SHILLARD'S LOG

Coppinger & Southern  
 Willard Carvey (Petroleum Inc.)  
 Mangrove Petr. Corporation  
 Superior Oil Company

B. G. No  
 Sec. 17-310-140  
 Barber County, Kansas

SPINDLER "B" 3

Total Depth: 4469  
 Com: 11-7-48  
 Comp: 12-4-48

Casing record:

854' of 8 5/8" surface casing  
 Cemented with 500 sacks of  
 bulk cement.

4427' of 5 1/2" casing  
 Cemented with 200 sacks of  
 bulk cement.

Sand	200
Shale	555
Lime	560
Shale & Shells	640
Shale	990
Shale & Shells	1220
Salt	1400
Shale & Shells	1580
Shale & Lime	1790
Lime	2240
Lime & Shale	2325
Lime	2465
Lime & Shale	2595
Shale	2715
Shale & Lime	2910
Lime	2995
Lime & Shale	3085
Lime	3240
Shale & Lime	3335
Lime	3640
Shale & Lime	3705
Lime	3750
Shale	3785
Lime	3830
Shale	3890
Lime	4150
Shale	4170
Lime	4427
Shale & Lime	4435
Lime Soft Coarse	4445
Lime Harder & Fine	4445
Lime white Soft	4469
Total Depth	4469
PB	4426

RECEIVED

Conservation-Div.

JUN - 7 1949

6-7-49  
 STATE CORPORATION  
 COMMISSION  
 KANSAS

PLUGGING  
 FILE SEC 17-31-140  
 BOOK PAGE 99 LINE 12

STATE OF KANSAS:

COUNTY OF SANGHVIK: CO

I, the undersigned, being duly sworn, on oath, state that  
 the above statement and log is a true and correct record and log of  
 the well drilled at the above described location.

COPPINGER & SOUTHERN

By *W. J. Coppinger*

Subscribed and sworn to before me this 3 day of January 1949.