

Logan District, Logan County, W. Va.

South Penn Oil Co., P. O. Drawer 1255, Pittsburgh, Pa.

On 27227.7 acres; surface and mineral rights owned by Yawkey & Freeman Coal Co., Huntington, W. Va.

Elevation, 1704.75' L.

10" casing, 983' 6"; 8 $\frac{1}{4}$ " casing, 1964' 1"; 6-5/8" casing, 2343';  
3" tubing, 3061' 11".

Packer, 3 x 8 $\frac{1}{4}$  x 16, set at 1956'.

Coal was encountered at 521-523, and 593-597' (also sev. other points). (see below)

Completion: reported to Dept. of Mines April 17, 1930.

Well was not shot.

Gas well.

	Top.	Bottom.
Soil	0	8
Sand	8	38
Coal	38	40
Sand	40	140
Slate	140	158
Coal	158	161
Sand	161	210
Slate	210	255
Coal	255	258
Slate	258	312
Coal	312	318
Slate and shell	318	358
Coal	358	360
Lime	360	375
Sand	375	400
Lime	400	440
Sand	440	465
Coal	465	467
Slate and shell	467	521
Coal	521	523
Slate	523	535
Sand	535	565
Lime	565	593
Coal	593	597
Sand	597	635
Lime (16" hole, 649')	635	680
Sand	680	725
Lime	725	735
Sand	735	815
Lime	815	835
Sand	835	875
Lime	875	925
Slate and shell (10" casing, 972'; cemented to top of ground)	925	1085
Sand	1085	1125
Lime	1125	1160
Sand	1160	1180
Slate	1180	1190
Grampus Sand	1190	1302
Red rock	1302	1305
Sand	1305	1357
Slate	1357	1375
Sand	1375	1405
Slate and shell	1405	1473

(OVER)

YAWKEY & FREEMAN NO. 16 WELL (Continued).

	Top.	Bottom.
First Salt Sand	1473	- 1625
Slate and shell	1625	- 1700
Second Salt Sand	1700	- 1790
Lime	1790	- 1805
Slate	1805	- 1825
Lime	1825	- 1850
Sand	1850	- 1885
Slate	1885	- 1887
Lime	1887	- 1894
Red rock	1894	- 1914
Shell	1914	- 1925
Red rock	1925	- 1938
Slate	1938	- 1945
Lime shell (8 1/4" casing, 1946')	1945	- 1975
Red rock	1975	- 1985
Lime shell	1985	- 2000
Slate and shell	2000	- 2029
Sand (gas, 2032-2035')	2029	- 2036
Slate	2036	- 2045
Red rock	2045	- 2055
Sand	2055	- 2072
Red rock	2072	- 2115
Slate and shell	2115	- 2232
Pencil Cave	2232	- 2240
Little Lime	2240	- 2285
Big Lime (6-5/8" casing, 2323')	2285	- 2552
(gas, 2344'; gas, 2474'; gas, 2514')		
Big Injun Sand	2552	- 2583
Slate and shell	2583	- 2990
Brown shale	2990	- 3014
Berea Grit	3014	- 3038
Total depth		3159
Filled up hole to		3038