

Portland District, Preston County, W. Va.
 By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.
 Near head of Saltlick Creek, 1.25 mi. S. W. of Terra Alta and 2.2 mi.
 N. E. of Rodamer, just west of axis of Briery Mountain Anticline.
 1.43 mi. N. of 39° 25' and 1.16 mi. E. of 79° 35' - NE - Kingwood

Quadrangle.

Starts in Chemung Series; base of Chemung probably at 1225'.
 Elevation, 2020'.

Temperature tests were taken by the company to 4000', at which point
 it was 115.5° F., nearly 8° higher than found in any other well
 in the State at this depth.

The gas found at 3134' would not burn; an analysis showing only about
 3% of combustible matter, and with 16.9% oxygen and 80.1% nitrogen.

Company officials reported the hole was very crooked so that intervals
 calculated from depths shown in record would be considerably in
 error over true measurement.

Well completed August, 1925.

Record published on pp. 370-371, Volume VII, Deep-Well Records, of
 W. Va. Geological Survey, in 1936.

	Top.	Bottom.
Unrecorded	0	487
Black lime	487	491
Gray broken lime	491	499
Blue gritty lime	499	555
Gray gritty lime	555	572
Blue lime, shells, and slate	572	586
Blue gritty lime	586	592
Blue lime, shells, and slate	592	599
Blue gritty lime	599	663
Blue lime, shells, and slate	663	690
Blue gritty lime	690	756
White slate and lime shells	756	764
Blue lime	764	801
Blue lime, shells, and slate	801	816
Blue lime	816	830
Blue lime, shells, and slate	830	859
Blue lime	859	877
Blue lime, shells, and slate	877	1008
Blue lime	1008	1016
Gray slate	1016	1032
Blue lime, shells, and slate	1032	1040
Gray slate	1040	1071
Blue slate	1071	1123
Blue slate and lime shells	1123	1130
Black slate and lime shells	1130	1151
Black slate	1151	1191
Gray slate	1191	1198
Gray lime (base of Chemung)	1198	1225
Black slate and lime shells	1225	1230
Gray lime	1230	1269
Blue lime	1269	1361
Unrecorded	1361	1814
Black slate	1814	1884
Lime shells	1884	1900
Blue lime	1900	1907

(OVER)

	Top.	Bottom.
Dark sand	1907	1939
Gray lime	1939	1945
Gray slate	1945	2112
Gray slate, lime shells	2112	2145
Gray lime	2145	2170
Gray slate, lime	2170	2218
Gray lime	2218	2243
Gray slate	2243	2284
Hard lime	2284	2291
Gray lime	2291	2334
Gray sand	2334	2338
Gray slate and lime	2338	2395
Gray slate and lime shells	2395	2426
Gray lime	2426	2432
Gray slate	2432	2441
Gray slate and lime shells	2441	2479
Gray lime, very hard	2479	2490
Gray slate and lime shells	2490	2520
Gray lime and slate (bad hole all the way)	2520	2590
Lime and slate	2590	2675
Gray lime	2675	2716
Gray lime and slate	2716	2727
Gray slate	2727	2747
Gray lime	2747	2752
Gray slate	2752	2779
Gray lime and slate	2779	2811
Gray lime	2811	2836
Unrecorded	2836	2848
Gray lime	2848	2874
Gray slate and lime	2874	2942
Gray slate	2942	2966
Gray slate and lime	2966	2980
Gray slate	2980	3000
Gray gritty lime	3000	3022
Gray lime and slate	3022	3033
Gray slate	3033	3047
Gray lime and slate	3047	3068
Gray slate	3068	3118
Gray lime	3118	3124
Gray gritty lime (gas at 3134'; 4/10 W. in $\frac{1}{2}$ " ; will not burn)	3124	3142
Gray slate	3142	3155
Gray lime	3155	3165
Gray slate	3165	3246
Gray lime	3246	3253
Gray slate	3253	3278
White gritty lime	3278	3303
Gray lime	3303	3322
Hard gray sand	3322	3328
Gray lime	3328	3336
Gray slate (bad hole at 3316')//	3336	3370
Hard gray lime	3370	3447
Gray slate	3447	3461
Gray lime	3461	3480
Gray slate	3480	3544

(Continued on page 3).

	Top.	Bottom.
Gray lime	3544	- 3570
Gray slate	3570	- 3910
Hole filled with cement to 2670' and then drilled to 3045'		
Cement	2670	- 2745
Soft gray slate	2745	- 2860
Hard gray lime	2860	- 2871
Gray slate and lime shells	2871	- 3045
Hole then filled with cement to 2914'; left concrete at 3155'.		
Gray slate	3155	- 3178
Lime shells	3178	- 3180
Gray slate	3180	- 3243
Hard lime shells	3243	- 3243
Gray slate	3245	- 3288
Gray slate and lime shells	3288	- 3297
Soft gray slate (lost bailer, 3349')	3297	- 3426
Gray slate and lime shells	3426	- 3561
Gray slate	3561	- 3587
Gray slate	3587	- 3961
Dark slate and lime shells (caving from 4032')	3961	- 4096
Dark slate (all this formation caves) (cemented from 4139' up into 8" casing to 4065') (casing hangs on clamps at 4095')	4096	- 4163
Dark slate (caving)	4163	- 4174
Dark-gray lime, hard (hole cemented from bottom of 8" casing, 4095' to 4168')	4174	- 4183
Dark-gray lime (hole cemented from casing to 3219')	4183	- 4226
Dark slate (caves)	4236	- 4250
Dark slate	4250	- 4285
Gray slate	4285	- 4315
Hard gray lime	4315	- 4321
Gray slate	4321	- 4335
Dark sand, hard	4335	- 4345
Gray slate	4345	- 4353
Gray slate and lime shells	4353	- 4382
Gray slate	4382	- 4520
Gray sand	4520	- 4580
Gray slate	4580	- 4621
Gray lime	4621	- 4631
Gray slate	4631	- 4748
Slate, gray, and lime shells	4748	- 4754
Slate, gray, and lime shells	4754	- 4800
Unrecorded, to bottom (bad hole at 4688', 4703', 4718', 4790', and 4800')	4800	- 4900