

2600 - 2628	Lime	3705 - 3725	Lime
2628 - 2660	Slate	3725 - 3745	Slate and shells
2660 - 2710	Slate and shells	3745 - 3790	Slate
2710 - 2735	Slate	3790 - 3805	Lime
2735 - 2770	Gritty lime	3805 - 3825	Slate
2770 - 2785	Slate	3825 - 3845	Lime
2785 - 2805	Lime	3845 - 3907	Slate and shells
2805 - 2815	Slate	3907 - 3925	Lime
2815 - 2825	Sand	3925 - 3937	Slate
2825 - 2847	Slate	3937 - 3955	Lime
2847 - 2865	Lime	3955 - 3980	Slate
2865 - 2900	Slate and shells	3980 - 3995	Slate and shells
2900 - 2920	Gritty lime	3995 - 4015	Lime
2920 - 2935	Slate	4015 - 4055	Slate
2935 - 2953	Lime	4055 - 4100	Slate and shells
2953 - 2990	Slate	4100 - 4115	Lime
2990 - 3000	Lime	4115 - 4148	Slate
3000 - 3023	Slate and shells	4148 - 4177	Sand
3023 - 3055	Lime	4177 - 4212	Brown shale
3055 - 3075	Slate	4212 - 4265	Slate
3075 - 3105	Gritty lime	4265 - 4285	Lime
3105 - 3130	Lime	4285 - 4315	Slate
3130 - 3170	Slate	4315 - 4327	Lime
3170 - 3200	Slate and shells	4327 - 4343	Slate
3200 - 3255	Unrecorded	4343 - 4352	Lime
3255 - 3315	Slate and shells	4352 - 4365	Slate
3315 - 3335	Slate and shells	4365 - 4380	Lime
3335 - 3362	Gritty lime	4380 - 4435	Slate
3362 - 3390	Slate	4435 - 4455	Gritty lime
3390 - 3420	Lime	4455 - 4478	Slate
3420 - 3460	Slate	4478 - 4487	Unrecorded
3460 - 3480	Gritty lime	4487 - 4496	Slate
3480 - 3495	Slate	4496 - 4525	Lime
3495 - 3560	Lime	4525 - 4555	Slate
3560 - 3565	Slate	4555 - 4570	Lime
3565 - 3605	Lime	4570 - 4595	Slate
3605 - 3680	Slate	4595 - 4620	Slate
3680 - 3695	Lime	4620	Total depth
3695 - 3705	Slate		

Martha O. Goff No. 4190 Well

Good
 (was Harr. A -
 now Harrison 2838)

Simpson District Harrison County, W. Va.

By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.

Near head of western branch of Corbin Branch, 1.45 mi. S.E. of McAlpin and 2.8 mi. N.W. of Meadland.

5.44 mi. N. of 39° 15' and 2.18 mi. E. of 80° 15'—SW—Fairmont Quadrangle.

Elevation, 1161' L. Starts about 200' below the Pittsburgh Coal horizon.

Well commenced December 11, 1916; reached total depth of 7386' March 14, 1918, when tools were lost; fished, cemented, etc., to October 3, 1918.

13" casing, 217'; 10", 1238'; 8¼" 2307'; 6", 6405-7071' (liner).

Record published on pp. lv-lxiii of Barbour-Upshur County Report, and temperature measurements by C. E. Van Orstrand on p. ciii of same report. The temperature at 7310' (the last reading) was 158.3° F. See reference for other readings.

Was also

03373270

Deep well

Harrison 2838

146

HARRISON COUNTY WELL RECORDS

83 - 86	Coal, Elk Lick (water at 130'; 4 bailers per hour)	6385 - 6395	Lime
		6395 - 6420	Dark slate
170 - 186	Little Dunkard Sand	6420 - 6426	Lime
305 - 336	Big Dunkard Sand	6426 - 6438	Dark slate
436 - 446	Gas Sand	6438 - 6447	Lime
690 - 815	1st Salt Sand	6447 - 6465	Dark slate
815 - 817	Coal	6465 - 6470	Lime
860 - 880	2nd Salt Sand	6470 - 6500	Dark slate
1025 - 1040	Maxton Sand	6500 - 6505	Black slate
1183 - 1194	Little Lime	6505 - 6510	Black lime
1194 - 1210	Pencil Cave	6510 - 6532	Black slate
1210 - 1275	Big Lime (gas, 1253'; 2/10 water in 1/2")	6532 - 6625	Dark slate
		6625 - 6627	Hard shell
		6627 - 6640	Brown shale
1275 - 1394	Big Injun Sand	6640 - 6645	Hard shells
1410 - 1425	Squaw Sand	6645 - 6660	Black slate
1512 - 1540	Berea Sand	6660 - 6676	Black shale
1748 - 1885	Fifty-foot Sand (gas, 1749-1767'; 22/10 water in 2")	6676 - 6680	Black sand
		6680 - 6690	Hard lime
		6690 - 6714	Dark slate
1900 - 1980	Thirty-foot Sand	6714 - 6747	Dark lime
2090 - 2097	Gordon Stray Sand	6747 - 6750	Hard shell
2130 - 2143	Gordon Sand	6750 - 6755	Slate
2300 - 2310	Bayard Sand	6755 - 6775	Dark slate
2310 - 2830	Slate and shells	6775 - 6780	Hard sand shells
2830 - 2892	Hard lime	6780 - 6800	Black gritty shells and shale
2892 - 3125	Slate and hard lime shells	6800 - 6823	Black slate
3125 - 3145	Hard lime	6823 - 6865	Hard lime
3145 - 3222	Slate and shells	6865 - 6950	Slate and shells
3222 - 3240	Hard lime	6950 - 7057	Hard lime
3240 - 3480	Slate and shells	7057 - 7069	Lime shells
3480 - 3505	Hard sand	7069 - 7071	Hard sand
3505 - 4166	Slate	7071 - 7075	Hard lime
4166 - 4167	Lime shells (with a puff of air), Benson Sand	7081 - 7093	Lime
		7093 - 7110	Hard lime
		7110 - 7150	Slate and shells
4167 - 4425	Slate	7150 - 7160	Slate
4425 - 4500	Lime	7160 - 7162	Hard lime
4500 - 4790	Slate and shells	7162 - 7176	Lime shells
4790 - 4850	Lime	7176 - 7190	Gritty shells
4850 - 5200	Slate and shells	7190 - 7232	Slate
	5700 Slate shells	7232 - 7245	Hard shells
	5775 Slate shells	7245 - 7251	Black slate
5840 - 5995	Dark slate	7251 - 7256	Slate and shells
5995 - 5998	Lime shells	7256 - 7261	Hard lime
5998 - 6210	Dark slate	7261 - 7266	Dark hard lime
6210 - 6235	Light slate	7266 - 7280	Black slate
6235 - 6265	Lime	7280 - 7282	Hard shells
6265 - 6272	Dark slate	7282 - 7290	Slate
6272 - 6280	Lime	7290 - 7295	Soft slate
6280 - 6294	Dark slate	7295 - 7300	Soft black slate
6294 - 6304	Lime	7300 - 7345	Black slate
6304 - 6318	Dark slate	7345 - 7363	Gritty lime
6318 - 6330	Lime	7363 - 7386	Hard flinty limestone, Corniferous, to bottom
6330 - 6360	Dark slate		
6360 - 6380	Lime		
6380 - 6385	Dark slate		

At the time this well was drilled it was the deepest well in the world.

The thickness of the Devonian Shales, as shown by this record, from the base of the Berea Sand to the top of the Corniferous Limestone, 5823 feet, appears to be about 200 feet more than the thickness should be based on the eastward rate of thickening in that region. This might be accounted for by a crooked hole. The normal rate of thickening of these shales here is about 42 feet per mile eastward. In going from the Goff to the Lake well, about 8 miles eastward, the rate, based on the thickness of the shales above (5823), is less than 11 feet per mile. The thickness of the shales at the Lake well was 5940 feet which measurement agrees closely with the figures obtained by projecting several lines at various rates of thickening to the location of the well. In the isopach map, the figures at the Lake well have been used and those for the Goff well disregarded. The 8-mile figure between the wells is obtained from a line at right angles to a projected line from the Knowlton well in Ohio to the Lake well. The 11-foot rate of thickening is based on the actual distance between the Goff and Lake wells.

E. J. Kennedy No. 1440 Well

Grant District, Harrison County, W. Va.
By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.
On east hillside of Lost Creek, 1.2 mi. S.E. of Lost Creek and 0.8 mi. N.W. of Rockford.
4.5 mi. N. of 39° 05' and 4.34 mi. E. of 80° 25'—C—Weston
Quadrangle.

Location made September 24, 1909; rig commenced November 8, 1909; rig completed, November 14, 1909; drilling completed 1909.
Deepened in 1911 and 1919.

10" casing, 185'; 8¼", 1000' 10"; 6½", 1355' 4"; 2" tubing, 3047'?.
Packers, 8¼ x 10; 6½ x 8¼, both B. H.; 2 x 6½, anchor; amount anchor, 414'; amount above anchor, 1850'.

68 - 70	Coal	1685	Total depth
448 - 478	Little Dunkard Sand		Deepened: 8-10-11:
642 - 730	First Salt Sand	1743 - 1781	Fifty-foot Sand
850 - 935	Second Salt Sand	1790 - 1910	Thirty-foot Sand (gas at 1867')
1214 - 1228	Little Lime	2030 - 2040	Gordon Stray Sand
1258 - 1264	Pencil Cave	2049 - 2060	Gordon Sand
1264 - 1342	Big Lime	2119 - 2126	Fourth Sand
1342 - 1472	Big Injun Sand	2188 - 2199	Fifth Sand (gas at 2192')
1657 - 1685	Gantz Sand (gas at 1672')		

m

T. Huzzey's
9007



Har. A (80001)

64 HARRISON COUNTY, W. VA., WELL RECORDS

Martha O. Goff No. 4190 Well.

now: 2838

Simpson District, Harrison County, W. Va.
By Hope Natural Gas Company.

Har-A on map.
Elevation, 1161' L.

Dry hole.

Located 0.37 mi. S. of 39° 20' and 2.32 mi. W. of 80° 10'—SW—Fairmont Quadrangle.

Near head of western branch of Corbin Branch.

1.45 mi. S. E. of McAlpin; 2.8 mi. N. W. of Meadland.

	Top.	Bottom.	Thickness.	Elevation (top)
Big Lime -----	1210	1275	65	— 49
Big Injun Sand -----	1275	1394	119	— 114
Berea Sand -----?	1512	1540	28	— 351
Corniferous Lime-----	7363	7386	23+	—6202

Thickness, Devonian Shales, 5823 feet.

Total depth, 7386'

Remarks: Commenced Dec. 11, 1916.

Water, 130'. Gas, (Big Lime), 1253'. Gas, (50'), 1749-67'.

Lost tools at 7386'. Abandoned Oct. 3, 1918.

Temperature at 7310', 158.3° F.

Deep Well