

Edward Winning Heirs No. 4 Well (311-S)(282D)

Green District, Wetzel County, W. Va.; on Money Run of Fishing Creek 1.2 miles north of Reader; completed Oct. 14, 1919; authority, Silverhill Oil Company; elevation,

	Top. Feet.	Bottom. Feet.
Coal, <u>Hundred</u>	23	27
Unrecorded (water, 48'; hole full).....	27	318
Coal, <u>Uniontown</u>	318	322
Coal, <u>Mapletown, Sewickley</u>	532	534
Coal, <u>Redstone</u>	542	546
Coal, <u>Pittsburgh</u> (steel line)	579	592
Sand, <u>Moundsville, Saltsburg, hard</u> (smell of oil at 910')	905	915
Sand, <u>Big Dunkard, Mahoning</u> (oil, 1090'; also little gas) (steel line)	1080	1105
Sand, <u>Burning Springs, Upper Freeport,</u> (oil, 1135'; little gas)	1114	1170
Gas Sand, <u>Lower Freeport</u>	1190	1264
Sand, <u>Second Cow Run, Homewood, soft</u>	1304	1367
Sand, <u>Salt, Upper Connocuenessing</u>	1413	1400
Sand, <u>Maxton</u>	1535	1585
<u>Little Lime</u>	none	
<u>Pencil Cave, soft</u>	1690	1700
Sand, <u>Boulder, Webster Springs?</u>	1700	1722
<u>Big Lime, hard</u>	1722	1771
Sand, <u>Big Injun, top hard</u> (gas, 1772-1776)	1771	1776
Total depth (more gas)	1776	1790
Sand, soft	1830	1838
Sand	1870	1885
Total depth (steel line)		1908

13" casing, 16'; 10" csg., 238' (pulled out); 8 1/2" csg., 1084' (steel line)(left in); 6 5/8" csg., 1740' (steel line)(left in); 3" tubing, 1772' 3" (left in).

Big Injun Sand gas well; tested 8/10 Mercury through 6 5/8" csg., 5,250,000 cu.ft.