

been drilled, some of which show gas and a little oil, while in the southern part of the district, gas has been found of commercial value. Detailed records of a few of the wells will now be given:

Mrs. Blaine No. 1 Well Record (641).

Located in Loudon district, near the mouth of Joblin Branch, one mile east of South Charleston station. Authority, Cog City Oil & Gas Company. Completed June 21, 1912. Elevation, 594' L.

	Thickness Feet.	Total Feet.
Sand and gravel	43	43
Sand	42	85
Slate	18	103
Coal, No 5 Block	2	105
Slate	15	120
Lime	40	160
Sand, white	36	196
Slate	4	200
Sand, gray	25	225
Slate	3	228
Sand, gray	92	320
Slate	10	330
Lime	10	340
Slate	5	345
Lime	10	355
Coal, cannel, Winifrede.....	5	360
Lime	45	405
Slate and lime shells	55	460
Lime, sandy and hard	28	488
Sand	12	500
Slate and shells	130	630
Sand	60	690
Slate	10	700
Sand, Salt	210	910
Slate	8	918
Lime	47	965
Sand, water 1010'	100	1065
Slate	1	1066
Sand	14	1080
Slate	20	1100
Sand	20	1120
Slate	30	1150
Sand, gray	80	1230
Slate	2	1232
Sand	123	1355
Little Lime	32	1387
Pencil Cave	7	1394
Big Lime	171	1565
Slate	10	1575
Sand, Big Injun	28	1603
Red rock	32	1635
Slate and shells	305	1940
Sand, gray	3	1943

	Thickness Feet.	Total Feet.
Slate and shells	94	2037
Sand, Berea	8	2045
Lime, black	24	2069
Slate	4	2073

10" casing, 43 feet; 8½" casing, 565 feet; 6¼" casing, 1414 feet; hole full of salt water at 805 feet; small showing of black oil at 1943 feet. Berea very hard with smell of oil; dry hole; well abandoned.

The Big Injun sand appears to be 28 feet thick, while the "Squaw" sand appears to be entirely absent, and the Berea is only 8 feet thick and very hard.

J. H. Huling No. 1 Well Record (639).

Located in Loudon district, on Middle Fork of Davis Creek, 4.2 miles southwest of Charleston. Authority, J. H. Huling, Charleston, W. Va. Completed 1909. Elevation 690' A. T. B.

	Thickness Feet.	Total Feet.
Conductor	18	18
Unrecorded	7	25
Buff sand	21	46
Coal, slaty, Coalburg	2	48
Black shale	42	90
Coal, Winifrede, Black Band	3	93
Sand	40	133
Black shale	57	190
Cannel Coal, Thacker?	5	195
White sand, gas and show of oil	25	220
Unrecorded	92	312
Black shale	108	420
Sand, gas	36	456
Shale	64	520
Sand	10	530
Slate and shells	270	800
Coal?	5	805
Sand	155	960
Slate	121	1081
Sand	167	1248
Red rock, broken	20	1268
Lime	44	1312
Sand mixed with water	48	1360
Little Lime	40	1400
Pencil Cave	4	1404
Big Lime	136	1540
Red rock, break	10	1550
Sand, Big Injun	50	1600
Slate and shells	135	1735
Lime and sand	85	1820
Shells and slate	172	1992
Red rock	8	2000
Black shale	6	2006
Berea sand	10	2016
Hard lime shells to bottom	64	2080

8¼" casing, 530 feet; 6¼" casing, 1368 feet.