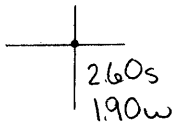


Latitude

Longitude



Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company Carnegie Nat Gas

Farm M A Walton #683

15' Quad _____
(sec.)

7.5' Quad Cameron

District Liberty

WELL LOCATION PLAT

County OSI Permit 70156

Liberty District, Marshall County, W. Va.

By Carnegie Natural Gas Co.

Littleton NE Quadrangle.

On 140 acres; lease No. 9827.

Drilling commenced Sept. 5, 1916; completed, Oct. 12, 1916.

No elevation.

Drilled deeper from 1876', Aug. 1, 1917.

Drilled deeper from 2060', Nov. 5, 1936.

Oil and gas, 1841-48'; volume not given.

Gas, 1931-49 and 1962-64', 1,000,000 cu. ft.; R. P. 530#.

Gas, 2795-99', 400,000 cu. ft.; R. P. 130#.

Record from Wilcox 10-15-39.

| | Top. | Bottom. |
|--|------|---------|
| Mapletown (Sewickley) Coal | 690 | - 695 |
| Pittsburgh Coal | 793 | - 799 |
| Little Dunkard Sand | 1161 | - 1184 |
| Gritty lime | 1200 | - 1225 |
| Black slate | 1225 | - 1284 |
| Big Dunkard Sand | 1284 | - 1312 |
| 1st Gas Sand | 1377 | - 1392 |
| 1st Salt Sand | 1440 | - 1481 |
| 2nd Salt Sand (8 bailers water per hour at 1705'; show gas at 1770-75') | 1689 | - 1780 |
| Maxton Sand (oil and gas, 1841-48') | 1800 | - 1852 |
| Slate | 1852 | - 1876 |
| (DRILLED DEEPER FROM 1876', 8-1-17): | | |
| Pencil Cave | 1906 | - 1911 |
| Big Lime | 1911 | - 1932 |
| Big Injun Sand (gas, 1931-49 and 1962-64', 1,000,000 cu. ft.; R. P. 530#) | 1932 | - 2195 |
| Total depth | | 2060 |
| (DRILLED DEEPER FROM 2060', 11-5-36): | | |
| 50' Sand (WEIR) | 2335 | - 2375 |
| 30' Sand (50') | 2538 | - 2556 |
| Gordon Stray Sand (30') | 2738 | - 2748 |
| Gordon Sand (gas, 2795-99', 400,000 cu. ft.; R. P. 130#) | 2793 | - 2804 |
| Total depth | | 2807 |