STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Address: 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farmer: G. M. Miller
Acre: 90

Location (water): 
Well No.: 2778
Elev.: 789'

District: Liberty
County: Marshall

The surface of tract is owned in fee by: 

Mineral rights are owned by: 
Address: 

Drilling commenced: July 18, 1962
Drilling completed: August 15, 1962

Date Shot: 8/15/62
From: Marton
To: Big Injun
With: Pitot Tube

Open Flow: 10ths Water in. 8.10ths Merc. in. l-1/2
Volume: 1,720,000

Rock Pressure: 710 lbs. 24 hrs.

Oil: bbls., 1st 24 hrs.

Fresh water: feet
Salt water: feet

Formation       Color      Hardness       Thickness
                Top      Bottom      Oil, Gas, or Water
Marton                      1683       1522      Perforated 4-Shots per Foot
Marton-Norton     C          1543       1594
Marton-Big Line   C          1558       1596
Marton-Big Injun  C          1600       1775
Big Injun         C          1542       1775

Total Depth: 1618 Feet
4-1/2" Tubing Set at

Casing and Tubing Used in Drilling Left in Well Packers

Site: 16
Kind of Packer: 

3/4" 145' 145' Site of:
8 5/8" 842' 99' Depth set:
8 7/8" 1880' 1880'
5 1/8" 1616' 1616'
3 1/2" 2 Perf. top:
2 Perf. bottom:
1 Perf. bottom:

Liners Used: 

Casing Cemented: SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES

Perforated 4-Shots per Foot

Not Drilled Through

Drilled deeper from 1522' to 1775' with Coble tools. Using 12" H. F. Mud. Run 16 7/8" 4-1/2" Tubing, 8" Gr. J 9-Bd. Set on Halliburton Formation Packer Show at 1618'. Cemented with 275 Sacks of Cement. Good Cement return. Schlumberger Perforated 4-1/2" Carrier Jets 4-Shots per Foot.
STATE OF WEST VIRGINIA
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WELL RECORD

Oil or Gas Well

Compan y: THE MANUFACTURERS LIGHT AND HEAT COMPANY Address: 800 UNION TRUST BLDG., PHIL., PENNA.

FARM: Geo. M. Miller Acres: 90

Location (waters): 

Well No.: 2778 Elev.: 789

District: Liberty County: Marshall

The surface of tract is owned in fee by: 

Mineral rights are owned by: 

Drilling commenced: October 7, 1922

Drilling completed: November 7, 1922

Date Shot: From: To: 

With: 

Open Flow: 10ths Water in: Inch

10ths Merc. in. Inch

Volume: Cu. Ft.

Rock Pressure: 320 lbs. 5 Min.

Oil: bbls., 1st 24 hrs.

Fresh water: feet

Salt water: feet

Casing and Tubing: Used in Drilling 

Left in Well 

Packers 

Size Kind of Packer 

16 

13 

10 147 147

8 1617 1617 

5 1/16 

8 Perf. top

2 Perf. bottom

Liners Used: 

Perf. top

Perf. bottom

CASING CEMENTED: SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 200 FEET INCHES

380 FEET INCHES 180 FEET INCHES

DEEPER--COMMANDED IN SALT SAND AT A DEPTH OF 1387 1/2 ft.

Commenced May 22, 1925, Completed June 22, 1925

Second Salt Sand 1387 1/2 1430 Gas at 1500

Mazon Sand 1480 1538

Fence Gave 1556 1599

Big Lime 1559 1618

Big Injun Sand 1618 1876 Gas 1618-1628 Gas 1725-1730

Fifty Ft. 2476 2441 Gas 2418-2422 Steel Line Meas

Cordon Sand 2478 2496

Fourth Sand 2538 2546

Salt Lime & Shells 2715 2880

Total Depth 2915

Openflow test 2-10 Water 2" opg.

Aug 12 1955

(Over)
<table>
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<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
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Date: April 22, 1955

APPROVED: THE MANUFACTURERS' MIST AND TREAT CO, Owner

By: [Signature] (Title)