COAL OWNED BY: M. R. Hanna Coal Company

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. MARS-500

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES ARE REPRESENTED BY BORDER LINES AS SHOWN. +

DENOTES ONE INCH SPACES BETWEEN BSS LINES AS SHOWN.
**WELL RECORD**

**Company:** The Krs. Lt. and Mt. Co.

**Address:** 800 Union Trust Bldg., Pittsburgh 19, Pa.

**Farm:** J. & M. A. Blake

**Acres:** 4

**Location (water):** 4799

**Elev:** 848.00'

**District:** Liberty

**County:** Marshall

**Address:**

**The surface of tract is owned in fee by:**

**Address:**

**Mineral rights are owned by:**

**Address:**

**Drilling commenced:** June 22, 1963

**Drilling completed:** July 11, 1963

**Date Shot:** 7/11/63 From Maxton To Big Injun

**With:** Orifice/Well Tester

**Open Flow:** 0.00 drs. Water in 8.4

**Volume:** 702.672

**Rock Pressure:** 500 lbs.

**Oil:** bbls., at 24 hrs.

**Fresh water:** feet

**Salt water:** feet

**Casing Cemented:**

**Size:** No. Ft.

**Date:**

**COAL WAS ENCOUNTERED AT 535 FEET**

**Remarks**

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Diket $/$</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>7</td>
<td>535</td>
<td>542</td>
<td>542</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Murphy Sand</td>
<td>11</td>
<td>652</td>
<td>663</td>
<td>663</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Dunkard</td>
<td>73</td>
<td>1028</td>
<td>1097</td>
<td>1097</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Salt Sand</td>
<td>15</td>
<td>1220</td>
<td>1235</td>
<td>1235</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd Salt Sand</td>
<td>18</td>
<td>1436</td>
<td>1454</td>
<td>1454</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maxton Sand</td>
<td>62</td>
<td>1504</td>
<td>1566</td>
<td>1566</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Maxton</td>
<td>7</td>
<td>1616</td>
<td>1623</td>
<td>1623</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Lime</td>
<td>40</td>
<td>1668</td>
<td>1668</td>
<td>1668</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Injun Sand</td>
<td>40</td>
<td>1670</td>
<td>1875</td>
<td>1875</td>
<td></td>
<td></td>
<td>Perforated 1796' to 1800'</td>
</tr>
<tr>
<td>Total Depth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**5/8" Float Shoe set at **

**1912'**

**5/8" Insert Ck. Valve at**: 1889'

**16"4**

**944**

**120**

**920**

---

**STATE OF WEST VIRGINIA**

**DEPARTMENT OF MINES**

**OIL AND GAS DIVISION**

**Permit No:** MARE-500

**Grande:**

**Address:** 800 Union Trust Bldg., Pittsburgh 19, Pa.

**Farm:** J. & M. A. Blake

**Acres:** 4

**Location (water):** 4799

**Elev:** 848.00'

**District:** Liberty

**County:** Marshall

**Address:**

**The surface of tract is owned in fee by:**

**Address:**

**Mineral rights are owned by:**

**Address:**

**Drilling commenced:** June 22, 1963

**Drilling completed:** July 11, 1963

**Date Shot:** 7/11/63 From Maxton To Big Injun

**With:** Orifice/Well Tester

**Open Flow:** 0.00 drs. Water in 8.4

**Volume:** 702.672

**Rock Pressure:** 500 lbs.

**Oil:** bbls., at 24 hrs.

**Fresh water:** feet

**Salt water:** feet

**Casing Cemented:**

**Size:** No. Ft.

**Date:**

**COAL WAS ENCOUNTERED AT 535 FEET**

---

**Received**

West Virginia
Dept. of Mines

---

**OCT 1963**