7'5 OGIS topo location

7.5' loc 0.18 S 15' loc 3.06 S (calculated) 2.84 W

Company Wasmuth-Callahan
Form Ella McCarthy
Quad Moundsville Cameron Nw
County Marshall
District Union

WELL LOCATION MAP
File No. DS1-48
plugged 1935 (2)
Plot of the Proposed Location of Well No. by the Wasmuth-Callahan Gas Co. & Hazlett Bros. of Glenaile, W.Va., on the Ella McCarthy farm of 71.32 Acres in Wash. & Union Districts, Marshall Co.

**Description**
Nancy McCarthy to Hitchman Coal & Coke Co.
D.B. 97, Page 262.

**Engineers Certificate**

I, the undersigned, hereby certify that this map is correct and shows all the information to the best of my knowledge and belief required by the Oil & Gas Section of the Mining Laws of West Virginia.


Acknowledged before me, a Notary Public in and for Marshall County, West Virginia, this the 13th day of October, 1934.

Signed: Notary Public - My Commission Expires
WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

PRELIMINARY DATA SHEET NO. 1

File No. 1

Masnuth & Colahan Gas Company of
Audeley Yeakle on the
Colley Ms. Cathie Farm

containing 72 acres. Location:
Division District, in Marshall County, West Virginia

The surface of the above tract is owned in fee by
Ella M. Cathie

of
H . C. Macheen, W . Va., P . D. #1, address, and the mineral rights are owned by
Same Cathie

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit
No. Man 48 issued by the West Virginia Department of Mines, Oil and Gas Division

Nov 9 # 1934

Elevation of surface at top of well, 1005

Var. Barometric.

The number of feet of the different sized casings used in the well.

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Size (inches)</th>
<th>Wood conductor</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>65/64</td>
<td>9 1/2</td>
<td></td>
</tr>
<tr>
<td>47/8</td>
<td>15 40/64</td>
<td></td>
</tr>
</tbody>
</table>

Packer of size, set at
Packer of size, set at

in casing perforated at feet to feet.

Coal was encountered at 420 feet, thickness 5 feet inches, and at 492 feet; thickness 4 1/2 inches; and at feet; thickness inches.

Liners were used as follows: (Give details)

March 8th 1935

Date

Approved

Masnuth & Colahan Co.
Owner.

Geo P. Masnuth, Esq.

MAR 11 1935
<table>
<thead>
<tr>
<th>Name</th>
<th>Color</th>
<th>Character</th>
<th>Oil, Gas or Water</th>
<th>Top</th>
<th>Bottom</th>
<th>Thickness</th>
<th>Total Depth</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td>Black</td>
<td></td>
<td></td>
<td>420</td>
<td>425</td>
<td>5</td>
<td></td>
<td>147−10″</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>492</td>
<td>498</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td>White</td>
<td>Cow Rock</td>
<td></td>
<td>787</td>
<td>798</td>
<td>11</td>
<td>976−6″</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td>Salt Sand</td>
<td></td>
<td>1320</td>
<td>1370</td>
<td>50</td>
<td>Water at 1360</td>
<td></td>
</tr>
<tr>
<td>Top Line</td>
<td></td>
<td></td>
<td></td>
<td>1540</td>
<td>1580</td>
<td>40</td>
<td>1640−4½&quot;</td>
<td></td>
</tr>
<tr>
<td>Big Engine</td>
<td></td>
<td></td>
<td></td>
<td>1580</td>
<td>1626</td>
<td>46</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

... feet; well was shot at... feet.

Salt water at 1340... feet; fresh water at... feet.

Well was dry hole.

**March 8th, 1935**

*NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.*