Plat of the proposed Location of Well No. 1, of the Little Fire Company of Salem, W.Va., on the Simon H. Garner Farm, consisting of 112.5 Acres, Located in McClellan District, Doddridge County.

Engineer's 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 and gas section of the mining laws of West Virginia.

C.C. Freeman
Civil Engineer.

Acknowledged before me a Notary Public of West Virginia, this 18th day of August, 1929

My commission expires Jan 27th 1930.

Notary Public.
<table>
<thead>
<tr>
<th>Company</th>
<th>Little Fire Co.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm</td>
<td>Simon H. Garner</td>
</tr>
<tr>
<td>Quad</td>
<td>Salem 75th Meridian 55th</td>
</tr>
<tr>
<td>County</td>
<td>Count.</td>
</tr>
<tr>
<td>District</td>
<td>McClellan</td>
</tr>
</tbody>
</table>

**WELL LOCATION MAP**

File No. 011-10

**7.5' OGS topo location**

7.5' loc 1911 S 15' loc 1898 W (calc.) 2109 W
## Permit No.: DOD-10

### Company: Little Pine Oil Company
### Address: Salem, W. Va.

### Farm: S. H. Garner
### Acres:

### Location (waters):

### Well No.: 1
### Elev.:
### District: McClainland
### County: Doddridge

### The surface of the tract is owned in fee by:
### Address:

### Mineral rights are owned by:
### Address:
### 6%
### 5/16:
### 2176'

### Drilling commenced:
### Drilling completed:
### Liners Used:
### 3
### 2
### Perf. top
### Perf. bottom

### Open Flow
- 18/10ths Water in.
- 1/10ths Merc. in.
- Cu. Ft.
- lbs.
- hrs.
- bbls., 1st 24 hrs.
- ft.
- ft.

### Rock Pressure
- sizing
- Coal
- Sand & slate
- Coal
- Pittsburgh coal - steel line
- Sand
- Sand
- Red rock
- Gritty shale
- Lime
- Little Dunkard sandy lime
- Black slate
- White slate
- Lime shell
- White cave
- Big Dunkard sand
- 8½ casing
- Gritty Lime
- Salt sand
- 2nd Salt Sand
- Sand
- Sand shells
- Pure sand
- Sand
- Water 1 bbl. per hr.
- Gritty white lime
- Red rock
- Hard & gritty lime
- Little lime
- Steel line
- Fenocil cave
- Big lime
- 6-5/8 casing
- Big Injun
- Squaw
- Soft greasy slate
- Berea Grit
- Gantz Sand

### Casing and Tubing
- Size
- Conductor
- 16'
- Kind of Packer
- 375'
- Size of
- 1444'
- Depth set

### CASING CEMENTED
### Size

### Date

### Coal was encountered at:

### Oil or Gas Well

<table>
<thead>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Water ½ bbl.</td>
<td></td>
<td></td>
<td></td>
<td>121'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
<td>118'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water ½ bbl.</td>
<td></td>
<td></td>
<td></td>
<td>360'</td>
<td>366'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
<td>518'</td>
<td>520'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10' casing</td>
<td></td>
<td></td>
<td></td>
<td>400'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
<td>830'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand &amp; slate</td>
<td></td>
<td></td>
<td></td>
<td>907'</td>
<td>915'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
<td>990'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
<td></td>
<td>1015'</td>
<td>1035'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red rock</td>
<td></td>
<td></td>
<td></td>
<td>1120'</td>
<td>1160'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gritty shale</td>
<td></td>
<td></td>
<td></td>
<td>1210'</td>
<td>1240'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lime</td>
<td></td>
<td></td>
<td></td>
<td>1260'</td>
<td>1280'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Little Dunkard sandy lime</td>
<td></td>
<td></td>
<td></td>
<td>1321'</td>
<td>1360'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black slate</td>
<td></td>
<td></td>
<td></td>
<td>1390'</td>
<td>1420'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White slate</td>
<td></td>
<td></td>
<td></td>
<td>1420'</td>
<td>1426'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lime shell</td>
<td></td>
<td></td>
<td></td>
<td>1428'</td>
<td>1429'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White cave</td>
<td></td>
<td></td>
<td></td>
<td>1429'</td>
<td>1440'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Dunkard sand</td>
<td></td>
<td></td>
<td></td>
<td>1440'</td>
<td>1498'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8½ casing</td>
<td></td>
<td></td>
<td></td>
<td>1444'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gritty Lime</td>
<td></td>
<td></td>
<td></td>
<td>1570'</td>
<td>1595'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salt sand</td>
<td></td>
<td></td>
<td></td>
<td>1738'</td>
<td>1748'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd Salt Sand</td>
<td></td>
<td></td>
<td></td>
<td>1775'</td>
<td>1820'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
<td></td>
<td>1860'</td>
<td>1875'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand shells</td>
<td></td>
<td></td>
<td></td>
<td>1950'</td>
<td>1965'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pure sand</td>
<td></td>
<td></td>
<td></td>
<td>1985'</td>
<td>1992'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
<td></td>
<td>1994'</td>
<td>2047'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water 1 bbl. per hr.</td>
<td></td>
<td></td>
<td></td>
<td>2032'</td>
<td>2035'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gritty white lime</td>
<td></td>
<td></td>
<td></td>
<td>2055'</td>
<td>2067'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red rock</td>
<td></td>
<td></td>
<td></td>
<td>2093'</td>
<td>2096'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hard &amp; gritty lime</td>
<td></td>
<td></td>
<td></td>
<td>2098'</td>
<td>2104'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Little lime</td>
<td></td>
<td></td>
<td></td>
<td>2128'</td>
<td>2140'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel line</td>
<td></td>
<td></td>
<td></td>
<td>2137'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fenocil cave</td>
<td></td>
<td></td>
<td></td>
<td>2140'</td>
<td>2162'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big lime</td>
<td></td>
<td></td>
<td></td>
<td>2182'</td>
<td>2210'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-5/8 casing</td>
<td></td>
<td></td>
<td></td>
<td>2176'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Injun</td>
<td></td>
<td></td>
<td></td>
<td>2210'</td>
<td>2323'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Squaw</td>
<td></td>
<td></td>
<td></td>
<td>2427'</td>
<td>2534'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soft greasy slate</td>
<td></td>
<td></td>
<td></td>
<td>2575'</td>
<td>2800'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berea Grit</td>
<td></td>
<td></td>
<td></td>
<td>2687'</td>
<td>2725'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gantz Sand</td>
<td></td>
<td></td>
<td></td>
<td>2760'</td>
<td>2765'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Formation</td>
<td>Color</td>
<td>Hard or Soft</td>
<td>Top</td>
<td>Bottom</td>
<td>Oil, Gas or Water</td>
<td>Depth Found</td>
<td>Remarks</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------</td>
<td>--------------</td>
<td>------</td>
<td>--------</td>
<td>------------------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>50 feet</td>
<td></td>
<td></td>
<td>2779'</td>
<td>2797'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 foot shell</td>
<td></td>
<td></td>
<td>2854'</td>
<td>2860'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel line run</td>
<td></td>
<td></td>
<td></td>
<td>2881'</td>
<td></td>
<td>4 1/12</td>
<td></td>
</tr>
<tr>
<td>30 feet hard sand</td>
<td></td>
<td></td>
<td>2867'</td>
<td>2895'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hard shell</td>
<td></td>
<td></td>
<td>2913'</td>
<td>2917'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Well shot with one stick dynamite to every 5 feet from 2774'</td>
<td>2926'</td>
<td></td>
<td></td>
<td>2926'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Well cemented 2 &amp; 1 mix 2734'</td>
<td>2926'</td>
<td></td>
<td></td>
<td>2926'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Let well stand six days &amp; drilled out hard shell</td>
<td></td>
<td>2926'</td>
<td>2930'</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gordon's stray</td>
<td></td>
<td></td>
<td>2933'</td>
<td>2960'</td>
<td>2974'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas</td>
<td></td>
<td></td>
<td>2945'</td>
<td>2953'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas &amp; Bk. skim oil</td>
<td></td>
<td></td>
<td>2951'</td>
<td>2952'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel line run at</td>
<td></td>
<td></td>
<td>2952'</td>
<td>2963'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soft sand</td>
<td></td>
<td></td>
<td>2980'</td>
<td>3005'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gordon sand</td>
<td></td>
<td></td>
<td>2987'</td>
<td>3002'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Little pay of oil &amp; gas</td>
<td></td>
<td></td>
<td>2997'</td>
<td>3002'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total depth</td>
<td></td>
<td></td>
<td>3024'</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date: 194

APPROVED. Owner

By: (Title)
Open flow,  
Water test 18/10 through 2" pipe.

Gordon strata:  
--- 2922 2962  
Gas:  
--- 2946 2946  
Gas & Blk. skim oil:  
--- 2963 2963  
Steel line run at:  
2952  
Soft sand:  
2960 2960  
Gordon Sand:  
--- 2967 3050  
Little pay of oil & gas:  
2977 3002  
Total depth:  
3024  

Well shot Nov. 14, 29 20 qts.  
Top of shell 2934 Bottom 3002  
Shot well Dec. 15, 29 20 qts.  
Top of shell 2934 Bottom 3002  
Shot Stray Dec. 20, 29 20 qts.  
Top of shell 2940 Bottom 2955  
Pencil cave:  
--- 2140 2122  
Big lime:  
--- 2162 2110  
6 5/8 Casing:  
--- 2175  
Big Injun:  
--- 2210 2235  
Squaw:  
--- 2427 2534  
Seft greasy slage:  
2676 2600  
Berea Grit:  
--- 2667 2726  
Gants Sand:  
--- 2750 2735  
50 feet:  
2779 2787  
30 feet shell:  
2854 2860  
Steel line run:  
2861  
30 feet hard sand:  
2867 2905  
Hard shell:  
2913 2917  
Well shot with one stick dynamite to every foot from  
2774 2926  
Well cemented 2 & 1 mix:  
2734 2926  
Let well stand six days & drilled out:  
Hard shell:  
2926 2930  
White slate:  
--- 1420 1426  
Lime shell:  
--- 1426 1429  
White cave:  
--- 1429 1440  
Big Dumbard sand:  
--- 1440 1498  
S3 Casing:  
--- 1494  
Gritty Lime:  
--- 1670 1529  
Salt sand:  
--- 1738 1748  
2 nd. Salt sand:  
--- 1775 1820  
Sand:  
--- 1860 1876  
Sand shells:  
--- 1995 1965  
Pure sand:  
--- 1965 1922  
Sand:  
--- 1994 2047  
Water 1 bbl. per hr.  
--- 2032 2035  
Gritty white lime:  
--- 2063 2067  
Red rock:  
--- 2098 2098  
Hard & gritty:  
--- 2095 2104  
Little lime:  
--- 2128 2140  
Steel line:  
--- 2137  
Conductor:  
--- 16  
Water 1 bbl.  
--- 121  
Coal:  
--- 119  
Water 1 bbl.  
--- 203  
Coal:  
--- 360 365  
10" Casing:  
--- 379  
Coal:  
--- 518 520  
Sand & slate:  
--- 400 600