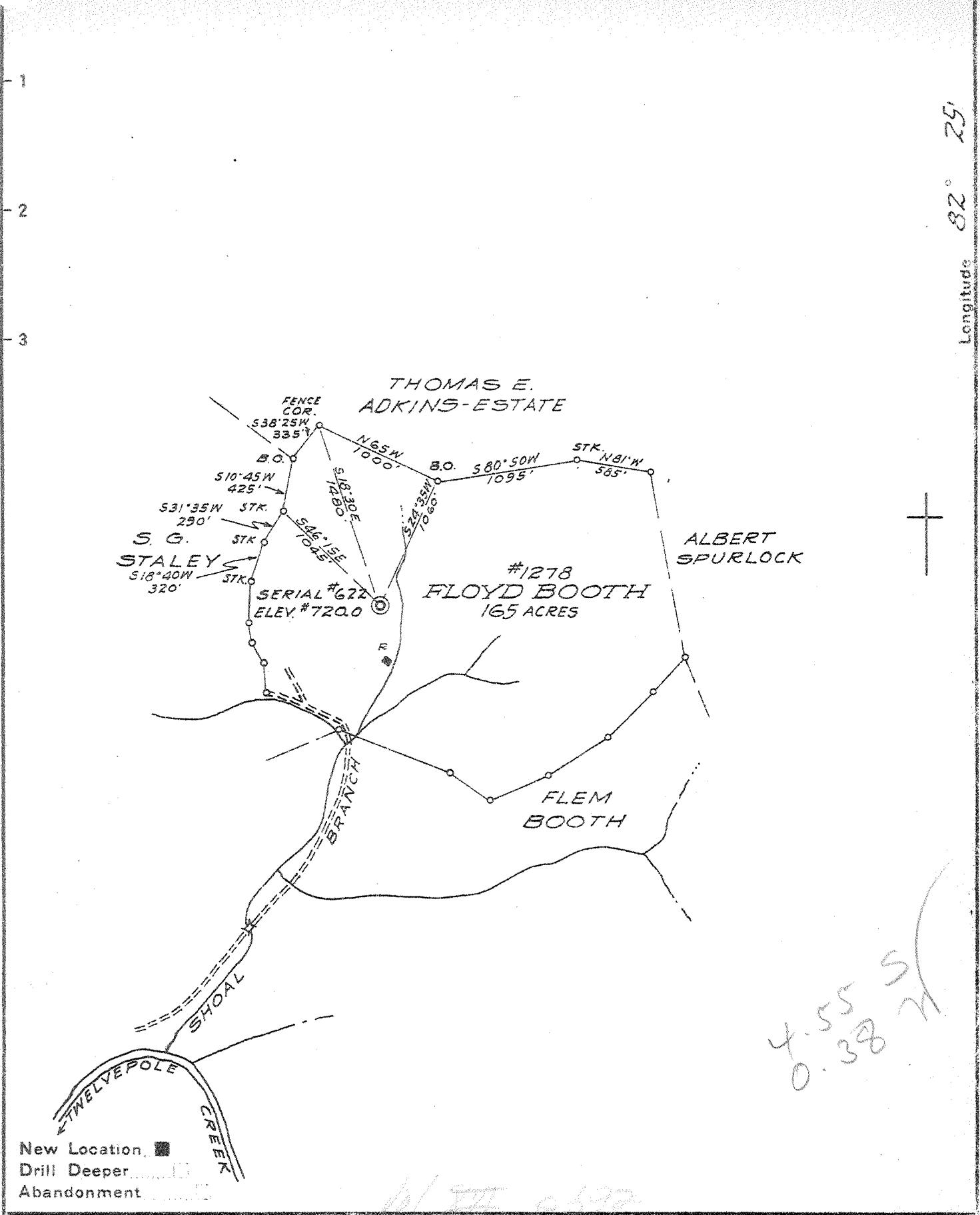


1 2 3

Latitude $38^{\circ} 20'$ Longitude $82^{\circ} 25'$ 

Company THE OWENS LIBBEY-OWENS GAS DEPT.
 Address BOX 1375 CHARLESTON, W.VA.
 Farm FLOYD BOOTH
 Tract Acres 165 Lease No. 1278
 Well (Farm) No. ONE Serial No. 672
 Elevation (Spirit Level) 720.0
 Quadrangle GUYANDOT, SW
 County WAYNE District UNION
 Engineer T.S. Lawrence
 Engineer's Registration No. 269
 File No. Drawing No.
 Date SEPT. 15, 1941 Scale 1" = 1000 FT.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. WAY-257

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Way-257
Guyandot Quad.

Gas Well

| | | |
|-----------------|--------------------------------------------------------------------|-----------------------------------------|
| Company | The Owens, Libbey-Owens Gas Dept., Box 1375, Charleston, W. Va. | Casing & Tubing |
| Address | | 8½ 511 511 |
| Farm | Floyd Booth Heirs Acres 165 | 6-58 1759 1759 |
| Location | Shoal Branch of Twelve Pole | 3 3318 3318 |
| Well No. | 622 | Elev. 720' |
| District | Union - Wayne County | Packer-Oil Well Comb. Wal and Anchor |
| Surface&Mineral | Floyd Booth Heirs, Wayne, W. Va. | Size 3"x 6-5/8"x 16" |
| Commenced | Sept. 15, 1941 | Depth set 2196 |
| Completed | Oct. 21, 1941 | Perf.top 3272 |
| Shot | 10-20-41 Depth 2610-3339 | Perf.bot. 3294 |
| Volume | 75,000CF | Perf.top 3178 |
| Rock Pressure | 570# 24 hrs. | Perf.bot 3201 |
| Fresh Water | 520' | |
| Salt Water | 1071' | |

| | | | | | | | | | |
|--------------|----|---|------|---------------|--------------|----|---|------|-------------|
| Clay | yl | s | 0 | 18 | Slate | gy | s | 1772 | 1935 |
| Red Clay | rd | s | 18 | 23 | Slate&Shells | gy | s | 1935 | 1983 |
| Sand | gy | s | 23 | 28 | Shells | dk | s | 1983 | 2029 |
| Slate | gy | s | 28 | 60 | Slate&Shells | d | s | 2029 | 2069 |
| Red Rock | rd | s | 60 | 70 | Slate | gy | s | 2069 | 2084 |
| Slate | gy | s | 70 | 81 | Shell | gy | h | 2084 | 2130 |
| Red Rock | rd | s | 81 | 125 | Slate | gy | s | 2130 | 2158 |
| Slate | gy | s | 125 | 150 | Shale | bn | s | 2158 | 2173 |
| Red Rock | rd | s | 150 | 180 | Berea | gy | h | 2173 | 22010/S2184 |
| Slate | gy | s | 180 | 207 | Shells | gy | h | 2201 | 2236 |
| Red Rock | rd | s | 207 | 237 | Slate&Shells | dk | s | 2236 | 2453 |
| Slate | gy | s | 237 | 354 | Slate&Shell | gy | s | 2453 | 2597 |
| Sand | wh | s | 354 | 359 | Shell | dk | h | 2597 | 2615 |
| Slate | gy | s | 359 | 381 | Slate&Shell | dk | s | 2615 | 2637 |
| Sand | wh | s | 381 | 420 | Shale | bn | s | 2637 | 2720 |
| Slate | gy | s | 420 | 511 | Slate&Shell | gy | s | 2720 | 2743 |
| Sand | wh | s | 511 | 562FM520-1P | Slate | gy | s | 2743 | 2758 |
| Slate | dk | s | 562 | 572 | Shale | bn | s | 2758 | 2791 |
| Sand | gy | s | 572 | 592 | Slate&Shell | dk | s | 2791 | 2830 |
| Slate | gy | s | 592 | 637 | Slate&Shell | gy | s | 2830 | 2890 |
| Sand | wh | s | 637 | 675 | Shale | bn | s | 2890 | 2934 |
| Slate | dk | s | 675 | 691 | Shale&Shells | dk | s | 2934 | 2976G/S2945 |
| Sand | wh | s | 691 | 751 | Slate&Shell | gy | s | 2976 | 2991 |
| Slate | gy | s | 751 | 814 | Shale | bn | s | 2991 | 3050 |
| Sand | lt | m | 814 | 835 | Shale&Shell | bn | s | 3050 | 3096 |
| Slate | dk | s | 835 | 880 | Slate&Shell | gy | s | 3096 | 3217 |
| Sand | wh | s | 880 | 915 | Slate&Shell | gy | s | 3217 | 3283 |
| Slate | dk | s | 915 | 920 | Slate | gy | s | 3283 | 3295 |
| Sand | wh | s | 920 | 948 | Shale | dk | s | 3295 | 3341 |
| Slate | gy | s | 948 | 1003 | Shale | bn | s | 3341 | |
| Sand | gy | h | 1003 | 1015 | Gas | | | 3341 | 1730F |
| Slate | dk | s | 1015 | 1021 | Gas | | | 3341 | 3000F |
| Salt Sand | gy | s | 1021 | 1152 | Corniferous | dk | h | 3341 | 3346 |
| Slate | dk | s | 1152 | 1166 | Total Depth | | | 3346 | |
| Sand | lt | h | 1166 | 1174SW/1071HF | | | | | |
| Slate | gy | s | 1174 | 1179 | | | | | |
| Sand | lt | h | 1179 | 1183 | | | | | |
| Lime | gy | h | 1183 | 1200 | | | | | |
| Salt Sand | gy | h | 1200 | 1321 | | | | | |
| Slate | lt | s | 1321 | 1339 | | | | | |
| Sand | gy | h | 1339 | 1377 | | | | | |
| Slate | dk | s | 1377 | 1380 | | | | | |
| Shells | lt | h | 1380 | 1387 | | | | | |
| Big Lime | wh | h | 1387 | 1443 | | | | | |
| Sand | wh | h | 1443 | 1446 | | | | | |
| Big Lime | wh | h | 1446 | 1573 | | | | | |
| Big Injun | gy | h | 1573 | 1715 | | | | | |
| Slate | gy | s | 1715 | 1718 | | | | | |
| Sand | gy | h | 1718 | 1723 | | | | | |
| Slate&Shells | dk | s | 1723 | 1748 | | | | | |
| Lime Shell | dk | h | 1748 | 1759 | | | | | |
| Shells | dk | s | 1759 | 1769 | | | | | |
| Slate&Shells | gy | s | 1769 | 1772 | | | | | |

3341
720
621

1071
1321
1339

1071

1321
1339