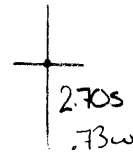


40°22'30"

Latitude

003E08

Longitude



**Topo Location**

7.5' Loc. \_\_\_\_\_ 15' Loc. \_\_\_\_\_  
 \_\_\_\_\_ (calc.) \_\_\_\_\_

**Company** Wheeling Steel Corp

**Farm** Wheeling Steel Corp #101

**15' Quad** \_\_\_\_\_  
(sec.)

**7.5' Quad** Staubenville East

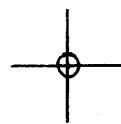
**District** Cross Creek

**WELL LOCATION PLAT**

**County** 009 **Permit** 13

LATITUDE 40° 22' 30"

LONGITUDE 80° 35' 00"



7'5 OGIS topo location

7.5' 10C 2.68 S  
0.72 W

15' 10C \_\_\_\_\_  
(calc.) \_\_\_\_\_

Company \_\_\_\_\_

Farm \_\_\_\_\_

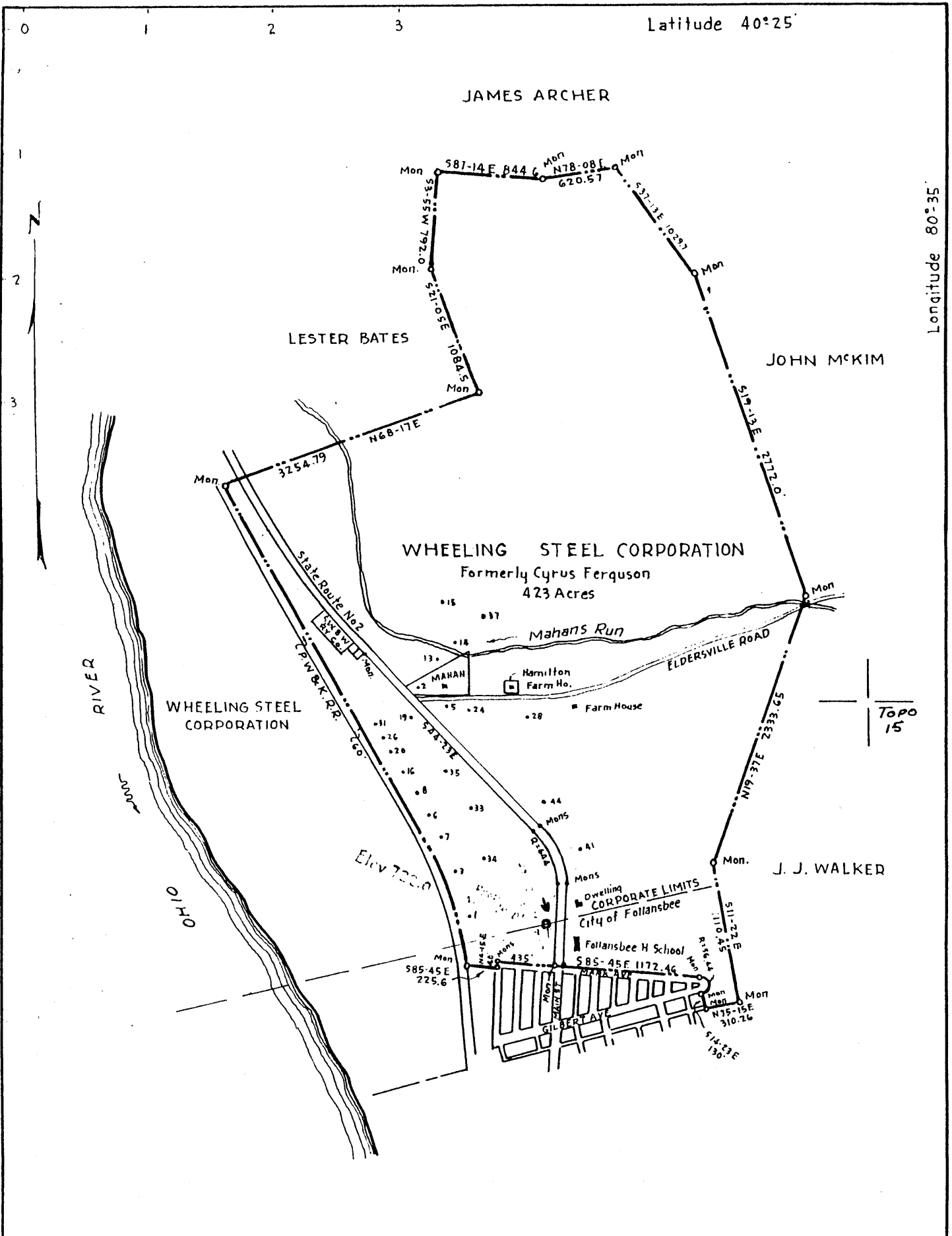
Quad STEBENVILLE EAST 7 1/2

County BROOKE

District CROSS CREEK

WELL LOCATION MAP

File No. 009-0013



COMPANY Wheeling Steel Corporation  
 ADDRESS (General Office) Wheeling, W. Va  
 FARM Wheeling Steel Corporation { Formerly (Cyrus) Ferguson }  
 TRACT \_\_\_\_\_ ACRES 423 LEASE NO. \_\_\_\_\_  
 WELL (Farm) NO 101 SERIAL No. \_\_\_\_\_  
 QUADRANGLE Steubenville  
 COUNTY Brooke  
 DISTRICT Cross Creek  
 ENGINEER Eugene M. Smith - C.C. Smith's Sons  
 ENGINEER'S REGISTRATION NO 390  
 FILE NO \_\_\_\_\_ DRAWING No \_\_\_\_\_  
 DATE Nov 24, 1937 SCALE - 1" = 1000'

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

WELL LOCATION MAP  
 FILE NO. Bro. 13

+ 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 AND GAS DIVISION

WELL RECORD

Permit No. Bro.13

Oil Well

Steubenville Quad.

CASING & TUBING

|             |                                       |                 |           |      |
|-------------|---------------------------------------|-----------------|-----------|------|
| Company     | Wheeling Steel Corp.                  | 10              | 100       | 100  |
| Address     | Wheeling, W.Va.                       | 8 $\frac{1}{4}$ | 300       | 300  |
| Farm        | Corp. Acres 423                       | 6 5/8           | 975       | 975  |
| Location    | $\frac{1}{2}$ Mile East of Ohio River | 2               |           | 1324 |
| Well No.    | 101 Elev. 722                         |                 |           |      |
| District    | Cross Creek County Brooke             |                 |           |      |
| Surface     | Wheeling Steel Corp. Wheeling, W.Va.  |                 |           |      |
| Mineral     | Same                                  | Kind            | B.H.      |      |
| Drilling    | Commenced Nov. 26, 1937               | Size            | 6 5/8"    |      |
|             | Completed Feb. 3, 1938                | Depth           | 975'      |      |
| Date Shot   | Feb. 7, 1938                          | Depth           | 1316-1326 |      |
| Volume      | 5000 Cu.Ft. Est. in 24 hrs.           |                 |           |      |
| Oil         | 1 bbls. 1st 24 hrs.                   |                 |           |      |
| Rock Press. | None                                  |                 |           |      |

PACKER

| Formation       | Color    | Hor   | TOP     | Base | Result       | Formation | Color | Hor | TOP | Base | Result |
|-----------------|----------|-------|---------|------|--------------|-----------|-------|-----|-----|------|--------|
| Sand & Gravel   |          | S     | Surface | 148  | Water        |           |       |     |     |      |        |
| Shale           | Black    | S     | 148     | 175  | surface      |           |       |     |     |      |        |
| Rock            | Red      | H     | 195     | 197  | to 401'      |           |       |     |     |      |        |
| Shale           | Gray     | Aver. | 197     | 200  |              |           |       |     |     |      |        |
| Lime            | White    | H     | 200     | 231  |              |           |       |     |     |      |        |
| Coal-Upper      | Freeport |       | 231     | 233  |              |           |       |     |     |      |        |
| Shale           | Brown    | Aver. | 233     | 252  |              |           |       |     |     |      |        |
| Lower Freeport  | Coal     |       | 252     | 258  |              |           |       |     |     |      |        |
| Shale           | Gray     | Aver. | 258     | 270  |              |           |       |     |     |      |        |
| Lime            | White    | H     | 270     | 285  |              |           |       |     |     |      |        |
| Shale           | Black    | Aver. | 285     | 301  |              |           |       |     |     |      |        |
| Lime            | White    | H     | 301     | 330  |              |           |       |     |     |      |        |
| Shale           | Brown    | Aver. | 330     | 362  |              |           |       |     |     |      |        |
| Lime            | White    | H     | 362     | 370  |              |           |       |     |     |      |        |
| Coal-Kittanning |          |       | 370     | 373  | Gas          |           |       |     |     |      |        |
| Lime            | White    | H     | 373     | 393  |              |           |       |     |     |      |        |
| Kittanning      | Coal     |       | 393     | 401  |              |           |       |     |     |      |        |
| Sand            | White    | Aver. | 401     | 447  | Gas          |           |       |     |     |      |        |
| Shale           | Black    | Aver. | 447     | 514  | & Salt Water |           |       |     |     |      |        |
| Lime Shell      | Gray     | "     | 514     | 518  |              |           |       |     |     |      |        |
| Shale           | Dark     | S     | 518     | 520  |              |           |       |     |     |      |        |
| Shelly          | Gray     | H     | 520     | 569  | Gas          |           |       |     |     |      |        |
| Sand-Salt       | Gray     | Aver. | 569     | 590  | 569-         |           |       |     |     |      |        |
| Shale           | Dark     | "     | 590     | 620  | 590          |           |       |     |     |      |        |
| Sand            | Gray     | "     | 620     | 627  |              |           |       |     |     |      |        |
| Lime            | White    | H     | 627     | 631  |              |           |       |     |     |      |        |
| Shale           | Black    | Aver. | 631     | 665  |              |           |       |     |     |      |        |
| Shale           | Gray     | Aver. | 665     | 680  |              |           |       |     |     |      |        |
| Sand            | Dark     | Aver. | 680     | 694  |              |           |       |     |     |      |        |
| Lime (Gritty)   | White    | H     | 694     | 758  |              |           |       |     |     |      |        |
| Shale           | Gray     | Aver. | 758     | 788  |              |           |       |     |     |      |        |
| Kecner(?)       | Sand Gr. | "     | 788     | 793  |              |           |       |     |     |      |        |
| Shale           | Black    | "     | 793     | 840  |              |           |       |     |     |      |        |
| Big Injun       | Sn.Gr.   | "     | 840     | 975  | Gas          |           |       |     |     |      |        |
| Shale           | Black    | "     | 975     | 998  |              |           |       |     |     |      |        |
| Shale           | Blue     | "     | 998     | 1035 |              |           |       |     |     |      |        |
| Shale           | Black    | "     | 1035    | 1068 |              |           |       |     |     |      |        |
| Sand-Weir       | White    | "     | 1068    | 1073 |              |           |       |     |     |      |        |
| Shells          | Gray     | H     | 1073    | 1314 |              |           |       |     |     |      |        |
| Cap Rock        | Gray     | H     | 1314    | 1316 |              |           |       |     |     |      |        |
| Sand-Berea      | Gray     | S     | 1316    | 1326 | Oil          |           |       |     |     |      |        |
| Sand            | Gray     | H     | 1326    | 1330 |              |           |       |     |     |      |        |

NOTE: No Gas or Oil were found in paying quantities in any sands except Berea, where we got an estimated 10 bbl. well.