

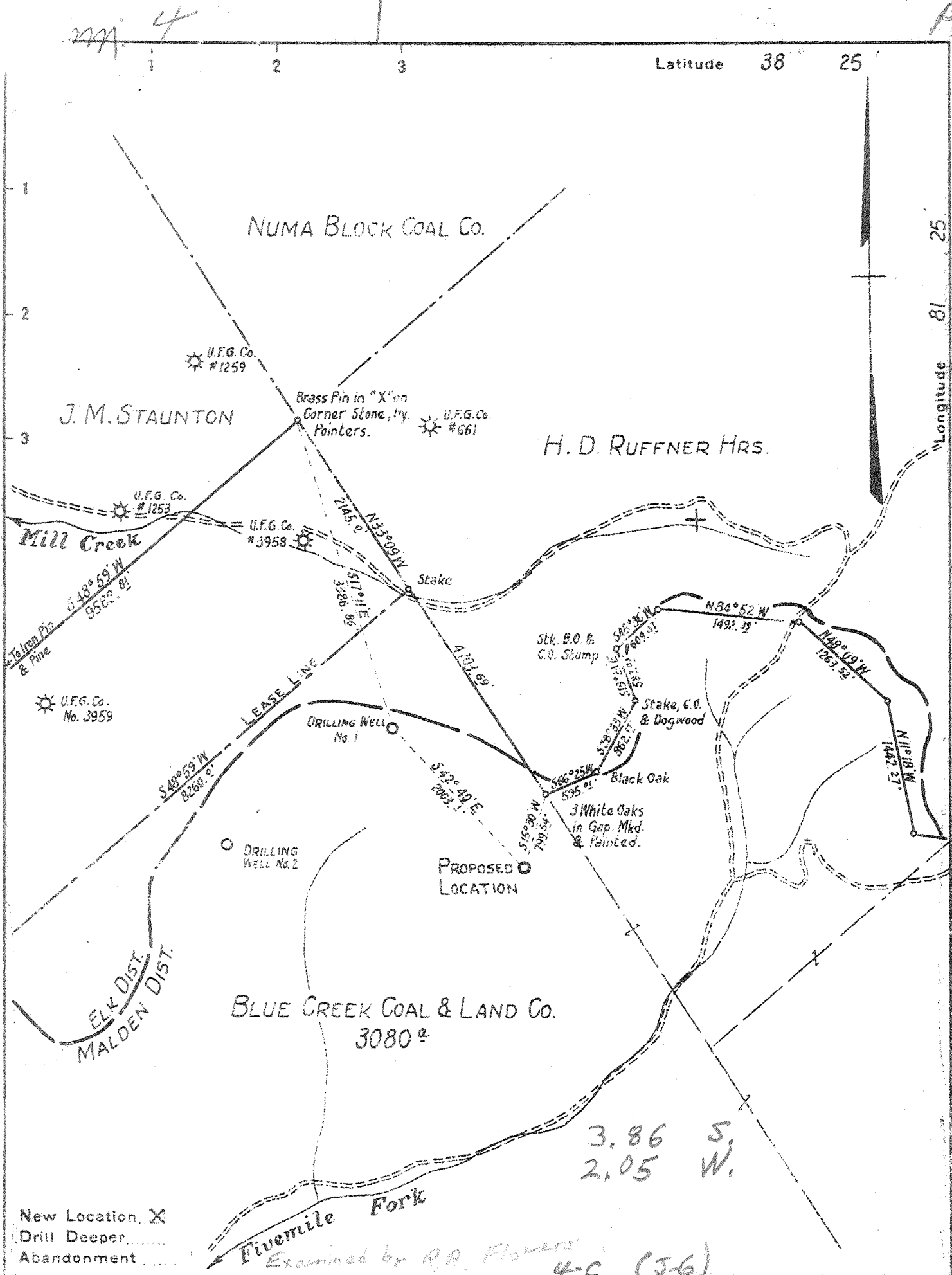
Company SPARTAN GAS COMPANY
 Address 518 KAN. VALLEY BLD'G., CHARLESTON, W.VA.
 Farm BLUE CREEK COAL & LAND CO.
 Tract _____ Acres 3080 Lease No. _____
 Well (Farm) No. 3 Serial No. S-56
 Elevation (Spirit Level) 1267.81
 Quadrangle CLENDENIN S.W. WC
 County KANAWHA District MALDEN
 Engineer W. S. GRAVELY
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date AUG. 12, 1946 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. KAN-1064-D-FRAC.

+ 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.



New Location, X
 Drill Deeper.....
 Abandonment.....

*Examined by R.A. Flowers
 4-C (5-6)*

Company SPARTAN GAS COMPANY
 Address 518 KAN. VALLEY BLDG, CHARLESTON, W.VA.
 Farm BLUE CREEK COAL & LAND CO.
 Tract _____ Acres 3080 Lease No. _____
 Well (Farm) No. 3 Serial No. 554
 Elevation (Spirit Level) _____
 Quadrangle CLENDENIN SW - WC
 County KANAWHA District MALDEN
 Engineer W.S. GRAVELY
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date SEPT. 4, 1943 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. KAN-1064

+ 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.

Sample 29-G (5356-5474) 6-6-21 Deep Well

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

Gas Well
CASING & TUBING

| | | |
|----------------------|----------------------------------------|--------------------------------------|
| Permit No. Kan 1064 | | |
| Clendenin Quad. S.W. | | |
| Company | Spartan Gas Company | |
| Address | 518 Kanawha Valley Bldg., Chas., W.Va. | |
| Farm | Blue Creek Coal & Land Co. Acres 3080 | |
| Location | Campbells Creek | 10 $\frac{1}{2}$ 22'8 All |
| Well NO | Three | Elev. 1267.81 (L-Ground) 8 5/8 831 " |
| District | Malden | Kanawha County 7 1796 " |
| Surface | Carbide and Carbon Chemicals Corp. | 2 3/8 2196 " |
| | New York, N.Y. | |
| Mineral | Same | Gas Anchor Packer |
| Commenced | Oct. 27, 1943 | Size 2 3/8 x 7" - 16" |
| Completed | Dec. 17, 1943 | Conical Sleeve 1830' |
| Not shot | | Perf. top 2133' |
| Volume | 81,000 C.F. | Perf. bot 2164' |
| Rock Pressure | 400# 48 hrs. | |
| Fresh Water | 1 blr. per hr. 275'; 458' 4 blr. W p/h | |
| | 590' H.F.W.; 885' 2 blr. W p/h. | |
| Salt Water | 1000 exhausted; 1115 2 blr. W p/h | |
| | 1170 HFW | Casing cemented: 8 sacks Aquagel |
| | | behind 8 5/8"; 11 sacks Aquagel |
| | | behind 7" |

| | | | |
|----------------|------|------|---------------------|
| Surface | 0 | 35 | |
| Slate | 35 | 61 | |
| Sand | 61 | 157 | |
| Slate | 157 | 205 | |
| Sand | 205 | 233 | |
| Slate | 233 | 245 | |
| Sand | 245 | 257 | |
| Coal | 257 | 260 | |
| Sand | 260 | 320 | |
| Slate | 320 | 327 | |
| Sand | 327 | 380 | |
| Slate | 380 | 395 | |
| Lime Shell | 395 | 400 | |
| Slate | 400 | 451 | |
| Sand | 451 | 475 | |
| Slate | 475 | 495 | |
| Sand | 495 | 518 | |
| Slate | 518 | 530 | |
| Sand | 530 | 623 | |
| Slate & Shells | 623 | 682 | |
| Sand | 682 | 695 | |
| Coal | 695 | 698 | |
| Slate & Shells | 698 | 754 | |
| Sand | 754 | 835 | |
| Lime Shell | 835 | 851 | |
| Sand | 851 | 893 | |
| Slate | 893 | 905 | |
| Lime Shells | 905 | 931 | |
| Sand | 931 | 943 | |
| Slate & Shells | 943 | 1003 | Sh. oil 1053 |
| Sand | 1003 | 1045 | |
| Slate | 1045 | 1053 | |
| Salt Sand | 1053 | 1200 | |
| Slate | 1200 | 1203 | |
| Salt Sand | 1203 | 1504 | |
| Slate & Shells | 1504 | 1517 | |
| Lime Shells | 1517 | 1535 | |
| Slate & Shells | 1535 | 1591 | |
| Red Rock | 1591 | 1600 | |
| Slate & Shells | 1600 | 1745 | |
| Little Lime | 1745 | 1757 | |
| Blue Mud | 1757 | 1769 | |
| Little Lime | 1769 | 1790 | |
| Big Lime | 1790 | 1917 | Gas 1850' 33 M |
| Keener Sand | 1917 | 1937 | Gas 1920' 53 M |
| Big Injun | 1937 | 1960 | Gas 2010-2030' 63 M |
| Red Lime | 1960 | 2010 | Gas 2060' 83 M |
| Weir Sand | 2010 | 2185 | |
| Slate | 2185 | 2196 | |
| TOTAL DEPTH | | 2196 | |

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

| | | |
|-----------------------|-----------------------------------|-----------------------|
| Permit No. Kan 1064 D | | Dry Oriskany |
| Clendenin Quad. | | CASING & TUBING |
| Company | Spartan Gas Company | |
| Address | 518 Kanawha Valley Bldg. | 3½ (15#) 5277 Fld. |
| Farm | Blue Creek Coal & Land Co. A 3080 | |
| Location | Campbells Creek | |
| Well No. | Three (3) Elev. 1267.81 | L. Ground |
| District | Malden Kanawha County | |
| Surface | Carbide and Carbon Chemical Corp. | Casing cemented: |
| | New York, N.Y. | 12 bags cement behind |
| Mineral | Same | 5½" |
| Commenced deeper | Sept. 24, 1946 | |
| Completed | Dec. 14, 1946 | |

DRILLED DEEPER

| | | |
|------------------|------|------|
| Slate & Shells | 2196 | 4290 |
| Brown Shale | 4290 | 4310 |
| Slate & Shells | 4310 | 5190 |
| Brown Shale | 5190 | 5263 |
| Corniferous Lime | 5263 | 5374 |
| Oriskany | 5374 | 5392 |
| Lime & Sand | 5392 | 5474 |
| Total Depth | | 5474 |

5263
1268

3995

Will be plugged back to 5277 .