



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

LOCATION 1.7 MILES NORTH BLUNDON

Company COLUMBIAN CARBON CO.
 Address BOX 1240 - CHARLESTON - W.VA.
 Farm MARTHA HARPER ET AL
 Tract _____ Acres 119 Lease No. C-504
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 978.1
 Quadrangle KENNA S.E. (7)
 County KANAWHA District POCA
 Engineer [Signature]
 Engineer's Registration No. 772
 File No. _____ Drawing No. _____
 Date JAN. 31, 1941 Scale " = 660'

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

WELL LOCATION MAP
 FILE NO. KAN-789

+ 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. Kan-789
Kenna Quad.

Gas Well

Company Columbian Carbon Co.
Address Box 1240, Charleston, W. Va.
Farm Martha Harper, et al ACRES 119
Location Goose Creek of Poca River
Well No. 1 (GW-472) ELEV. 979.9 DF
District Poca - Kanawha County
Surface & Mineral Martha Harper, et al, Elkview, W. Va.
Commenced 3/6/41 - completed 6/1/41
Shot Not shot
Volume 3,061,000 c.f.
Rock Pressure 1260 lbs. 2 days
Fresh Water 950 - 1/2 - 10" Blr. per hr.
Salt Water 1410 6 -10" blrs. per hr - 1450 HF

CASING & TUBING
14 22-8 22-8
10-3/4 672-11 pulled
8-5/8 1969-2 1969-2
7 5146-3 5146-3
2-3/8 5315-6 5315-6

| | | |
|-----------------|------|-----------------|
| Surface Rock | 0 | 35 |
| Red Rock | 35 | 45 |
| Sand | 45 | 58 |
| Red Rock | 58 | 63 |
| Slate | 63 | 73 |
| Sand | 73 | 90 |
| Lime & Sand | 90 | 135 |
| Red Rock | 135 | 140 |
| Slate&Lime | 140 | 200 |
| Sand | 200 | 250 |
| Red Rock | 250 | 265 |
| Slate | 265 | 272 |
| Red Rock | 272 | 290 |
| Slate | 290 | 295 |
| Red Rock | 295 | 310 |
| Slate | 310 | 320 |
| Red Rock | 320 | 360 |
| Slate | 360 | 368 |
| Red Rock | 368 | 380 |
| Slate | 380 | 460 |
| Red Rock | 460 | 480 |
| Slate | 480 | 488 |
| Sand | 488 | 515 |
| Red Rock | 515 | 531 |
| Slate | 531 | 542 |
| Red Rock | 542 | 560 |
| Slate | 560 | 590 |
| Red Rock | 590 | 612 |
| Slate | 612 | 664 |
| Lime | 664 | 670 |
| Sand | 670 | 844 |
| Slate | 844 | 915 |
| Sand | 915 | 950 |
| Coal | 950 | 953 FW 950 |
| Sand | 953 | 1008 |
| Slate | 1008 | 1011 |
| Sand | 1011 | 1090 |
| Black Slate | 1090 | 1115 |
| Sand | 1115 | 1130 |
| Slate | 1130 | 1245 |
| Sand | 1245 | 1254 |
| Slate | 1254 | 1257 |
| Sand | 1257 | 1290 |
| Slate | 1290 | 1308 |
| Sand | 1308 | 1365 |
| Slate | 1365 | 1370 |
| -Salt Sand | 1370 | 1695 SW 1410 |
| -Maxton Sand | 1695 | 1736 |
| -Slate | 1736 | 1746 SW 1450 HF |
| -Big Lime | 1746 | 1891 |
| -Big Injun Sand | 1891 | 1911 |
| Salt Lime | 1911 | 1954 |
| Black Lime | 1954 | 1964 |
| Slate Sholls | 1964 | 2112 |

| | | |
|------------------------------|----------|----------|
| Slate | 2112 | 2243 |
| Slate&Shells | 2243 | 2792 |
| Slate | 2792 | 3555 |
| Brown Shale | 3555 | 3620 |
| Slate Shells | 3620 | 3860 |
| Shale | 3860 | 3931 |
| Slate | 3931 | 4045 |
| Shale | 4045 | 4081 |
| Slate | 4081 | 4140 |
| Shale | 4140 | 4162 |
| Slate | 4162 | 4695 |
| Shale | 4695 | 5024 |
| White Slate | 5024 | 5055 |
| Brown Shale | 5055 | 5104 SLM |
| -Corniferous Lime | SLM 5104 | 5217 SLM |
| -Oriskany Sand | SLM 5217 | 5265 |
| -Lime Break - <i>Hell</i> | 5265 | 5282 |
| -Oriskany Sand - <i>Hell</i> | 5282 | 5304 |
| -Lime - <i>Hell</i> | 5304 | 5308 |
| Total Depth | | 5308 |

PAYS: 5239-45; 5249-51; 5257-59

CEMENT RECORD:

3/14/41 Aquagelled 10-3/4 csg. Ran 15 sacks Aquagel mixed with 1 bail (50#) Fibertex - mixed 7%. Ran plug on top Aquagel. Pipe went back to bottom. Cemented by F. M. Mills, Halliburton Oil Well Cementing Co.
4/11/41 Cemented 8-5/8 casing. Ran 12 sacks Aquagle mixed with 1 bail Fibertex ahead of cement. Ran 90 sacks Alpha cement mixed with 1 sack Aquagel. Ran plug an 10' spacer between Aquagel and cement. Ran plug on top cement. Pipe went back to bottom. 12' solid cement in hole. Cemented by S.K. Johnson, Halliburton Oil Well Cementing Co.
5/17/41 Cemented 7" casing. Ran 10 sacks Alpha cement in dump bailer. Picked pipe up and set back on bottom. 36' cement in hole. Cemented by Columbian Carbon Co.

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|------|------|------|
| 5104 | 5217 | 5304 |
| 980 | 980 | 980 |
| 4124 | 4237 | 4324 |