



Company COLUMBIAN CARBON CO.
 Address BOX 1240 CHARLESTON W.VA.
 Farm GEO. M. HACKNEY ET AL
 Tract _____ Acres 187 Lease No. WU-67
 Well (Farm) No. TWO Serial No. _____
 Elevation (Spirit Level) 881.8
 Quadrangle KENNA S.E.C. -6-
 County KANAWHA District POCA
 Engineer J. Sell
 Engineer's Registration No. 772
 File No. _____ Drawing No. _____
 Date APRIL 8, '42 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. Kan - 910 932

+ 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.

Deep Well

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

Permit No. Kan 932 Kenna S.E. Quad. Company Address Farm Location Well No District Surface Mineral Commenced Completed Date shot Volume Rock Pressure Fresh Water Salt Water	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right; vertical-align: top;"> Gas Well CASING & TUBING O.D. </td> </tr> <tr> <td>Columbian Carbon Company</td> <td>16 41'9 Same</td> </tr> <tr> <td>Box 873, Charleston, W.Va.</td> <td>10 742'1 "32#</td> </tr> <tr> <td>Geo. M. Hackney et al Acres 187</td> <td>85/8 1808'5 - 28#</td> </tr> <tr> <td>Camp Creek</td> <td>7 5134'3 Same</td> </tr> <tr> <td>2-GW-668 Elev. 885.6 DF</td> <td>2 3/8 5305'10 "</td> </tr> <tr> <td>Poca Kanawha County(3.75#&4#)</td> <td></td> </tr> <tr> <td>J. A. Shaffer, Webb Dixon. E.H. Dixon</td> <td></td> </tr> <tr> <td>Contact C. Carbon Co.</td> <td>3 8.70# 95'6 Same</td> </tr> <tr> <td>Geo. M. Hackney et al (187A), Advent, W.Va.</td> <td></td> </tr> <tr> <td>4-24-42</td> <td></td> </tr> <tr> <td>8-2-42</td> <td></td> </tr> <tr> <td>8-3-42 Depth 5238' SLM to 5208' SLM</td> <td></td> </tr> <tr> <td>with 200# Atlas G_olatin</td> <td></td> </tr> <tr> <td>421 MCF</td> <td></td> </tr> <tr> <td>900# 9 das</td> <td></td> </tr> <tr> <td>37' sm. amt; 195-1 15 1/2" blrs. pr. hr.</td> <td></td> </tr> <tr> <td>1330' , 1/2-10" blr. pr. hr.;</td> <td></td> </tr> <tr> <td>1495' M.F.</td> <td></td> </tr> </table>		Gas Well CASING & TUBING O.D.	Columbian Carbon Company	16 41'9 Same	Box 873, Charleston, W.Va.	10 742'1 "32#	Geo. M. Hackney et al Acres 187	85/8 1808'5 - 28#	Camp Creek	7 5134'3 Same	2-GW-668 Elev. 885.6 DF	2 3/8 5305'10 "	Poca Kanawha County(3.75#&4#)		J. A. Shaffer, Webb Dixon. E.H. Dixon		Contact C. Carbon Co.	3 8.70# 95'6 Same	Geo. M. Hackney et al (187A), Advent, W.Va.		4-24-42		8-2-42		8-3-42 Depth 5238' SLM to 5208' SLM		with 200# Atlas G _o latin		421 MCF		900# 9 das		37' sm. amt; 195-1 15 1/2" blrs. pr. hr.		1330' , 1/2-10" blr. pr. hr.;		1495' M.F.	
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Yellow Clay Gray Sand Red Rock White lime White Slate Gray Sand Blue Slate White Lime Slate & Lime Shells Lime Shells Sand Black Slate Red Rock White Slate Lime Shells Red Rock Slate & Shells Sand Red Rock Slate Lime Shells Sand Slate & Shells Sand Slate Sand Slate & Shells Sand Lime Sand Slate Sand Red Rock Slate Sand Black Slate Salt Sand Slate Maxon Sand Little Lime Pencil Cave Big Lime Big Injun Sand Slate & Shells Lime Shells Slate & Shells White Slate Slate & Shells Brown Shale White Slate Black Shale	0 2 2 37 37 67 67 108 108 140 140 200 200 211 211 224 224 270 270 297 297 325 325 351 351 360 360 370 370 390 390 460 460 520 520 545 545 575 575 625 625 708 708 840 840 870 870 910 910 917 917 965 965 1034 1034 1150 1150 1202 1202 1233 1233 1325 1325 1370 1370 1392 1392 1412 1412 1425 1425 1450 1450 1460 1460 1690 1690 1694 1694 1710 1710 1743 1743 1747 1747 1777 1777 1918 1918 1930 1930 2350 2350 2385 2385 3450 3450 3475 3475 3900 3900 3910 3910 3980 3980 4060	Brown Shale White Slate Brown Shale White Slate Brown Shale Corniferous Lime Criskany Sand Black Lime Criskany Sand Lime - H TOTAL DEPTH Oil 5120-5123 show CEMENT RECORD: 5-5-42 Aquagelled 10 1/2" casing. Ran 26 sacks aquagel and 1 bale Fibrotex, 1 xed 6%. Raised string up hole about 20' and set back on bottom. No circulation. No returns. Pumped plug to 710' before setting string on bottom. 5-24-42 Aquagelled 8 5/8" casing. Ran 20 bags Aquagel mixed 6% with 1 bale Fibrotex. Pumped plug to 1240'. Returns 1290'. Pipe went back to bottom. 7-16-42 Cemented 7" casing. Dumped on bottom with dump bailer 10 bags Alpha cement. Pipe 53' off bottom. Ran 50 bags Aquagel mixed with 2 bales Fibrotex. Run plug on top of Aquagel. Returns at 4880'. Pumped plug to 5000. Pipe lacked 3" going to bottom. 50' cement in hole. Cementer, W.V. Riley, Halliburton Oil Well Cementing Co.
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