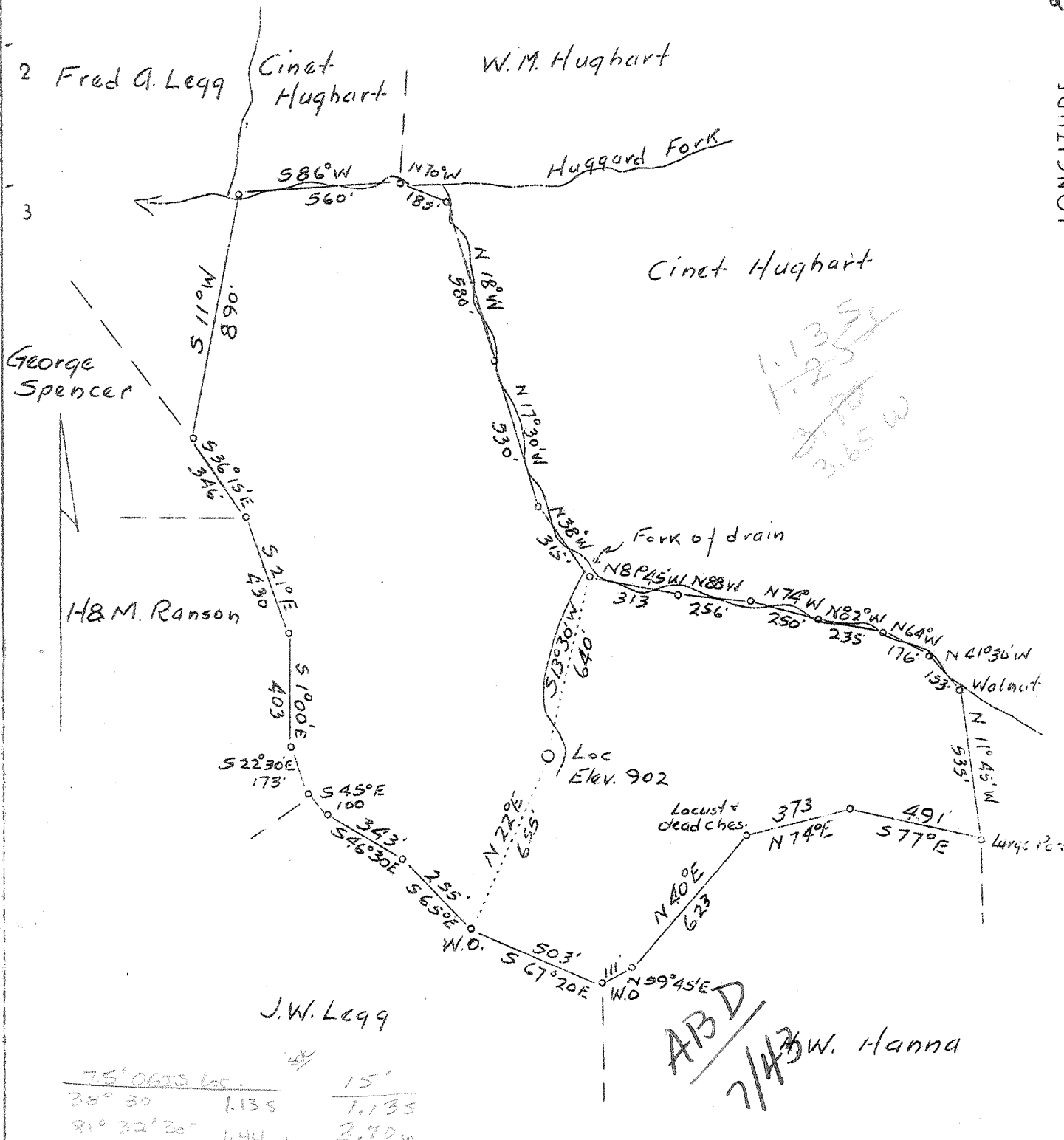


LATITUDE 38° 30'

LONGITUDE 81° 30'



Company Columbian Garden Co.  
 Address Box 1240, Charleston, W. Va  
 Farm B. R. Reed  
 Tract Acres 75 Lease No. C-265  
 Well (Farm) No. 1 Serial No \_\_\_\_\_  
 Quadrangle Charleston NE  
 County Kanawha  
 District Poca  
 Engineer C. A. Branham  
 Engineer's Registration No. 683  
 File No. \_\_\_\_\_ Drawing No \_\_\_\_\_  
 Date 12-3-36 Scale 1" 500'

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION  
 Charleston

WELL LOCATION MAP  
 File No KAN-311

+ Denotes location of well on U. S. 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 AND GAS DIVISION

WELL RECORD

FINAL

Gas Well

Permit No. Kan.-311

Chas. Quad.

CASING & TUBING

Company Columbian Carbon Co.  
 Address Box 1240, Charleston, W.Va.  
 Farm B.R. Reed Acres 75  
 Location Not given  
 Well No. 1(GW-371) Elev. 904.4  
 District Poca County Kanawha  
 Surface B.R. Reed, Legg, W.Va.  
 Coal & Iron only Alex. M. Bruen Heirs  
 Address c/o Alex J. Bruen, Jr.  
 19 E. 83rd. St. New York City  
 Drilling Commenced Dec. 31, 1937  
 Completed June 19, 1937  
 Date Shot May 10, 1937 Depth 5063  
 Volume 3,221,376 Cu. Ft.  
 Rock Press. 1770# 36 hrs.

14 OD 80 60  
 10 455'10" Pulled  
 8 5/8 1602  
 6 5/8 4905  
 3' 8.7# 136  
 2-3/8 O.D. 5083

PACKER

Kind of Conical Sleeve  
 Swabbing Type  
 Size of 2x6-5/8  
 Length 5'0"  
 Depth set 4947

Casing cemented 6 5/8-10'-  
 date, 4-13-37.  
 8-5/8"--10'  
 date, 1-30-37

Formation Color <sup>Hor</sup> / <sub>5</sub> TOP Base Result				Formation Color <sup>Hor</sup> / <sub>5</sub> TOP Base Result			
Soil		0	08	Shale	White	4805	4855
Quick Sand		8	40	Shale	Black	4855	4890
Red Rock		40	85	Corniferous Lime		4890	4998
Sand		85	135	Oriskany		4998	5070
Red Rock		135	140	Lime		5070	5083
Sand		140	205				
Red Rock		205	375	TOTAL DEPTH			5083
Sand		375	440				
Slate		440	485				
Sand		485	510				
Slate		510	548				
Sand		548	585				
Slate		585	624				
Sand		624	670				
Slate		670	684				
Sand		684	735				
Slate		735	770				
Sand		770	825				
Slate		825	830				
Sand		830	870				
Slate		870	987				
Sand		987	1030	Water			
Slate		1030	1065	1135	Hole full water		
Salt Sand		1065	1230	Gas show			
Slate Break		1230	1245	1087			
Salt Sand		1245	1471				
Slate		1471	1501				
Maxon Sand		1501	1550				
Slate		1550	1557	Hole			
Little Lime		1557	1577	Caving			
Pencil Cave		1577	1583	1557-82			
Big Lime		1583	1750	Gas-Smell			
Big Injun		1750	1775	1690-93			
Slate		1775	1820				
Sand		1820	1828				
Slate&Shells		1828	2168	Gas Show			
Shale	Brown	2168	2178	2057-60			
Borea Shell		2178	2183				
Slate&Shells		2183	3400				
Shale	Brown	3400	3444				
Shell		3444	3465				
Slate&Shells	H	3465	3830				
Shale	Brown	3830	4000				
Shale	Blue	4000	4035				
Shale	Brown	4035	4085				
Shale	Silver	4885	4520				
Shale	Brown	4520	4805				