



To be Drilled Deeper

Company	Columbian Carbon Co
Address	P.O.Box 1240, Charleston, W.Va
Farm	Lewis Maxwell
Tract	Acres 2654.88 Lease No. C-32-A
Well (Farm) No.	37-A Serial No. Gw-97
Elevation (Spirit Level)	935'
Quadrangle	Holbrook N. E. (IVE)
County	Doddridge District West Union
Engineer	James N. Sell
Engineer's Registration No.	772
File No.	Drawing No.
Date	5-10-37 Scale 1" - 1320'

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

WELL LOCATION MAP

File No. DOD-75

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.

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. Dod-75

Gas Well

Holbrook Quad.

CASING & TUBING

Company Columbian Carbon Co.
 Address Box 1240, Charleston, W.Va.
 Farm Lewis Maxwell Acres 2654.88
 Location Big Run
 Well No. 37-A (G.W.-97) Elev. 965
 District West Union County Doddridge
 Surface West Union Bank, Spe. Rec. for Estate of
 Address Lewis Maxwell, West Union, W.Va.
 Drilling Commenced Oct. 20, 1920
 Completed Nov. 9, 1920

10 475
 8 1/4 1099
 7" O.D. 24# 271'2"
 7" O.D. 20# 1357'7"

PACKERS

Kind of Anchor
 Size of 8 1/4" x 10'
 Depth Set 1099'

DRILLED DEEPER

Drilling Commenced May 28, 1937
 Completed June 30, 1937

Formation	Color	Hor	TOP	Base	Result	Formation	Color	Hor	TOP	Base	Result
Soil & Red Rock			0	95		Slate & Shells			2122	2307	
Hurry Up Sand			95	125	Water	Gordon Stray			2307	2321	
Slate & Shells			125	505	100'	Slate			2321	2334	
Dunkard Sand			505	580	HFV	Gordon Sand			2334	2344	
Slate			580	640		Slate			2344	2377	
Red Rock			640	655							
Slate			655	685		TOTAL DEPTH				2377	
Red Rock			685	690							
Lime			690	745					Pay: 1738-	1747	
Shale	Black		745	760							
Lime			760	770							
Gas Sand			770	815							
Slate			815	818							
Lime			818	880							
Slate			880	900							
1st Salt Sand			900	995							
Lime			995	1000							
2nd Salt Sand			1000	1060							
Lime			1060	1075	Oil-	Little					
3rd Salt Sand			1075	1099	1090-92	Gas	Little				
					1090-92	Little					
DRILLED DEEPER											
3rd Salt Sand			1099	1143							
Slate & Shells			1148	1175							
Slate			1175	1200							
Sand			1200	1226							
Slate & Shells			1226	1265							
Sand			1265	1295							
Slate			1295	1320							
Lime			1320	1360							
Slate & Shells			1360	1405							
Sand			1405	1425							
Slate & Shells			1425	1510	Gas	Show					
Slate	Black		1510	1520	1407						
Lime			1520	1530							
Slate & Shells			1530	1565							
Little Lime			1565	1595							
Pencil Cave			1595	1602							
Big Lime			1602	1682							
Big Injun			1682	1753	Gas	Little					
Slate & Shells			1753	1905	1687						
Gantz Sand			1905	2016	Gas						
Slate			2016	2028	1738-47						
Lime			2028	2050							
Slate	Black		2050	2107							
Lime			2107	2122							