



1.03 S
0.67 W

- New Location
- Drill Deeper
- Abandonment

Company United Carbon Co.
 Address Charleston, W. Va.
 Farm Cotiga Development Co.
 Tract _____ Acres 358 Lease No. 4088
 Well (Farm) No. 1 Serial No. 1091
 Elevation (Spirit Level) 1000'
 Quadrangle Holden SW
 County Mingo District Hardee
 Engineer C. M. Withrow
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date Oct 8, 1942 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. MIN-69

+ 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.

6-8 (368)

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

Permit No. Min 69

Holden Quad.

Company

Address

Farm

Location

Well No

District

Surface

Mineral

Commenced

Completed

Date shot

Open flow

Volume

Rock Pressure

Salt Water

United Carbon Company

Box 1913, Charleston, W.Va.

Cotiga Development Co. Acres 358

Ashcamp Branch

1 Elev. --

Hardee Mingo County

Cotiga Development Co., Provident Tr.

Bldg., Philadelphia, Pa.

Cotiga Development Co., Philadelphia, Pa.

Dec. 15, 1942

April 5, 1943

April 5, 1943 Depth 3698 to 4138

with 2900# 80% Hi Velocity DuPont Gel.

18/10ths W in 3"

403,000 C.F.

515# 14 hrs.

328' & 410'; 1158' & 1190'

Gas Well
CASING & TUBING

	13	27			
	10	426'			
	8½	1740'	0		
	7	1960'	1960'		
	3	4138	4138		

Comb. Wall &
Anchor Packer
Size 6 5/8 x 3"
Depth 3676'
Perf. top 4090'8
Perf. bot 4013'5
Perf. top 3859'3
Perf. bot 3881'

Coal at 156' 24";
228' 24"; 315' 48"

Soil	0	2	Slate	1945	1950
Stone	2	10	Big Lime	1950	2165
Slate	10	27	Lime	2165	2177
Sand	27	156	Injun Red	2177	2225
Coal	156	158	Lime Sandy	2225	2250
Lime	158	190	Slate & Shells	2250	2350
Sand	190	228	Sand	2350	2400
Coal	228	230	Slate White	2400	2655
Slate	230	280	Slate & Shells	2655	2740
Sand	280	300	Coffee Shale	2740	2766
Slate	300	315	Berea Shells	2766	2826
Coal	315	319	Shale Brown	2826	2880
Slate	319	324	Slate White	2880	3075
Sand	324	375	Shale Brown	3075	3140
Slate	375	390	Slate & Shells	3140	3190
Sand	390	445	Shale Brown	3190	3250
Slate & Shells	445	545	Slate	3250	3540
Sand	545	585	Shale Brown	3540	3550
Slate Dk	585	595	Slate	3550	3645
Slate & Shells	595	700	Shale Brown	3645	3675
Sand	700	770	Lime	3675	3690
Black Slate	770	910	Shale Brown	3690	3896
Sand	910	960	Slate White	3896	4037
Break	960	962	Lime	4037	4076
Lime	962	972	Slate	4076	4080
Break	972	974	Shale Black	4090	4110
1st Salt Sand	974	1247	Slate & Shells	4110	4136
Slate & Shells	1247	1273	Lime	4136	4138
2nd Salt Sand	1273	1370	TOTAL DEPTH		4138
Slate & Shells	1370	1395			
Sand	1395	1460	Gas small show 2018 and 2104		
Slate	1460	1470	Gas 3893' 36/10 W2" 253 M		
Sand	1470	1555			
Slate	1555	1560			
Lime	1560	1595			
Sand	1595	1705			
Slate	1705	1735			
Maxon Sand	1735	1795			
Slate	1795	1799			
Sand	1799	1825			
Slate	1825	1827			
Sand	1827	1836			
Lime	1836	1848			
Pencil Cave	1848	1856			
Lime Gritty	1856	1880			
Slate	1880	1897			
Lime Black	1897	1945			