

Company Columbian Carbon Co.
 Address Box 873 Charleston, W.Va.
 Farm Lewis Maxwell
 Tract _____ Acres 2654.88 Lease No. C-32-A
 Well (Farm) No. 58-A Serial No. GW-297
 Elevation (Spirit Level) GW-296 - 1250' BAR.
GW-297 - 1080' BAR.
 Quadrangle Holbrook 1-NE GW-296 S-0.19° W-1.81°
GW-297 S-0.47° W-2.59°
 County Doddridge District West Union
 Engineer Wendell S. Moore
 Engineer's Registration No. 2113
 File No. _____ Drawing No. _____
 Date Sept. 2, 1952 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. DOD-943-A-#57
DOD-944-A-#58

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

921

WELL RECORD

Permit No. _____

Oil or Gas Well Gas

(KIND)

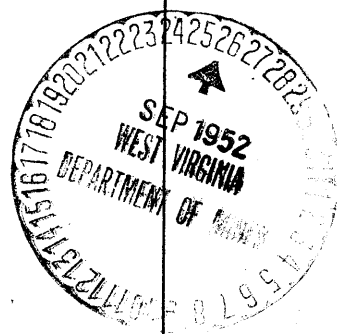
Company Columbian Carbon Company
Address Box 873, Charleston 23, W. Va.
Farm Lewis Maxwell Acres 2654
Location (waters) Arnolds Creek
Well No. 59-A - GW-297 Elev. 1194 G
District West Union County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 8-12-30
Drilling completed 9-17-30
Date Shot not shot From _____ To _____
With _____
Open Flow 35/10ths Water in 2 Inch
_____/10ths Merc. in _____ Inch
Volume 249,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water 1360' feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size conductor	12'	12'	Kind of Packer
16			
13			
10 "	624'10"	pulled	Size of
8 1/4 "	1058'9"	136'1"	Depth set
6 5/8 "	1877'1"	1877'1"	
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil, Earth & Red Rock			0	12			
Slate & Rock			12	50			
Red Rock, soft			50	65			
Lime & Rock, hard			65	100			
Red Rock, soft			100	130			
Gritty Lime, hard			130	165			
Red Rock, soft			165	229			
Lime & Rock - hard			229	265			
Red Rock, soft			265	290			
Lime & Rock, hard			290	315			
Red Rock, soft			315	346			
Sand and Rock, hard			346	394			
Slate & rock, soft			394	410			
Lime & rock, hard			410	435			
Red Lime, hard			435	445			
Gritty Li,e			445	505			
Black Slate			505	510			
Lime, hard			510	525			
Slate, soft			525	535			
Lime, hard			535	606			
Red Rock, soft			606	635			
Gritty Lime, hard			635	665			
Red Rock, soft			665	672			
Lime, hard			672	700			
Pink Rock, soft			700	712			
Lime, hard			712	755			
Red Rock, hard			755	780			
Little Dunkard Sand			780	810			
Slate, soft			810	848			
Red Rock, soft			848	870			
Lime, hard			870	900			
Red Rock, soft			900	920			
Slate, soft			920	950			
Big Dunkard Sand			950	988			
Slate, soft			988	1000			
Gas Sand, hard			1000	1025	Gas	1000-25'	
Slate, soft			1025	1040			
Lime, hard			1040	1144			
1st Salt Sand			1144	1195			



(Over)

JUN 10 1953

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate, soft			1195	1215			
Lime, hard			1215	1235			
Slate, soft			1235	1240			
2nd Salt Sand			1240	1370	S. water	1360'	2 blrs/hr.
Lime, hard			1370	1412			
Slate, soft			1412	1437			
3rd Salt Sand			1437	1467			
Slate, soft			1467	1490			
Sand, hard			1490	1527			
Slate, soft			1527	1536			
4th Salt Sand			1536	1584			
Slate, soft			1584	1592			
Lime, hard			1592	1650			
Sand, hard			1650	1675			
Slate, soft			1675	1700			
Maxon Sand, hard			1700	1725	Black oil	1722'	show
Slate, soft			1725	1785			
Lime, hard			1785	1802			
Slate, soft			1802	1805			
Sand, hard			1805	1819			
Slate, soft			1819	1824			
Little Lime, hard			1824	1834			
Pencil cave			1834	1850			
Big Lime			1850	1907			
Big Injun Sand			1907	1998	Gas	1911'	Small show
Slate, soft			1998	2018			
Blue Lime and Slate			2018	2158			
Gantz Sand, Shells			2158	2285			
Broken Lime & Slate			2285	2350			
Lime, hard			2350	2410			
Thirty Foot Sand, hard			2410	2430			
Slate Rock, soft			2430	2448			
Fifty foot Sand, hard			2448	2470			
Slate, soft			2470	2559			
Gordon Stray Sand, hard			2559	2567			
Slate, soft			2567	2582			
Gordon Sand, not very hard			2582	2590	Gas: 2584-2587' 35/10 W. 2" 249MCF		
Break in Gordon Sand			2590	2594			
Gordon Sand			2594	2598			
Slate, soft			2598	2613			
TOTAL DEPTH - - - -				2613'			

Date _____, 19____

APPROVED _____, Owner

By _____

(Title)