



Company COLUMBIAN CARBON COMPANY
 Address P.O. Box 873 CHARLESTON, W. VA.
 Farm W.D. LEWIS
 Tract _____ Acres 1540.8 Lease No. C-190
 Well (Farm) No. 2 & 13 Serial No. GW104 & GW 288
 Elevation (Spirit Level) #2-647.0' #13-1007.0'
 Quadrangle CHARLESTON 7*2-5104-W094*13-5141-W010
 County KANAWHA District MALDEN
 Engineer R. J. Anderson
 Engineer's Registration No. 2074
 File No. _____ Drawing No. _____
 Date DEC. 18, 1950 Scale 1" = 1320'

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

WELL LOCATION MAP

FILE NO. KAN-790-A-#13
KAN-801-A-#2

+ 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.

Malden? District, Kanawha County, W. Va.

By Columbian Carbon Co., Box 873, Charleston, 23, W. Va.

Abandoned under permit Kan-4.....-A?

On 1598 acres, on Coal Fork.

Elevation, 1007' L.

Surface owned by W. D. Lewis Heirs.

Completed Nov. 20, 1928.

Well was not shot.

13" casing, 16'; 10", 124' (pulled); 8 $\frac{1}{4}$ ", 620' (pulled); 6 $\frac{5}{8}$ ", 1428'.

Coal was encountered at 90-92'.

Gas well. Record to Dept. of Mines not dated or stamped.

Record to RCT from Mrs. Griffith Aug. 17, 1951. Old File No. 1570.

	Top.	Bottom.
Surface	0	16
Sand	16	80
Slate	80	90
Coal	90	92
Sand	92	210
Slate	210	250
Sand	250	410
Slate	410	435
Sand	435	470
Slate	470	485
Lime	485	500
Slate and sand, broken	500	570
Sand	570	670
Slate and shells	670	710
Sand (water, 720')	710	750
Slate and shells	750	800
Sand (hole full water, 1000')	800	1055
Sand	1055	1280
Black lime	1280	1335
Maxton Sand	1335	1345
Little Lime	1345	1380
Slate	1380	1390
Little Lime and shells	1390	1400
Pencil Cave	1400	1403
Black lime	1403	1420
Big Lime, white (gas, 1480, 1553-55/ and 1578-82)	1420	1578
Keener Sand	1578	1606
Big Injun Sand	1606	1640
Black lime	1640	1678
Red sand	1678	1690
Slate and shells	1690	2007
Brown shale	2007	2017
Berea Sand	2017	2020
Slate	2020	2055
Total depth		2055



1576

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. KAN-790-A

Oil or Gas Well Gas
(KIND)

Company Columbian Carbon Company
Address Box 873, Charleston 23, W.Va.
Farm W.D. Lewis Acres 1598
Location (waters) Coal Fork
Well No. 13-GW-288 Elev. 1007'
District ~~Campbell's Creek~~ Kanawha
The surface of tract is owned in fee by W.D. Lewis hrs.
Address _____
Mineral rights are owned by _____
Address _____

Drilling commenced _____
Drilling completed 11-20-28
Date Shot Not shot From _____ To _____
With _____

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 "	16'	16'	
10 "	124'	Pulled	Size of
8 1/4 "	620'	Pulled	
6 5/8 "	1428'	1428'	Depth set
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 90' FEET 24 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	16			
Sand			16	80			
Slate			80	90			
Coal			90	92			
Sand			92	210			
Slate			210	250			
Sand			250	410			
Slate			410	435			
Sand			435	470			
Slate			470	485			
Lime			485	500			
Slate & Sand broken			500	570			
Sand			570	670			
Slate & Shells			670	710			
Sand			710	750	Water	720'	
Slate & Shells			750	800			
Sand			800	1055	Water	1000'	hole full
Sand			1055	1280			
Black Lime			1280	1335			
Maxon Sand			1335	1345			
Little Lime			1345	1380			
Slate			1380	1390			
Little Lime & Shells			1390	1400			
Pencil Cave			1400	1403			
Black Lime			1403	1420			
Big White Lime			1420	1578			
Keener Sand			1578	1606			
Injun Sand			1606	1640			
Black Lime			1640	1678			
Red Sand			1678	1690			
Slate & Shells			1690	2007			
Brown Shale			2007	2017			
Berea Sand			2017	2020	Gas	1480'	
Slate			2020	2055	Gas	1553-55'	
					Gas	1578-82'	
			TOTAL DEPTH	2055'			