



Company	United Carbon Co.
Address	Charleston, W.Va.
Farm	R.E.Eagan et al
Tract	Acres 177 1/2 Lease No. 2525
Well (Farm) No.	1 Serial No. 664
Elevation (Spirit Level)	664'
Quadrangle	Charleston
County	Kanawha District Pocahontas
Engineer	C.B.Wilson
Engineer's Registration No.	494
File No.	Drawing No.
Date	Aug. 24, 1937 Scale 1"-800'

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

KAN - 460

WELL LOCATION MAP
 Revised from KAN-255
 File No. KAN-255

— 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.

6-6 Elk-Poca (Sissonville) (192)

loc entered 11/1/38 KA

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

W E L L R E C O R D

Permit No. Kan-460

Gas Well

Quad Not given - *Kenna*

CASING & TUBING

Company	United Carbon Co.	10	362	362
Address	901 Union Bldg., Charleston, W.Va.	8 $\frac{1}{2}$	1668	1668
Farm	R.E.Eagan Acres 177.25	6 5/8	4676	4676
Location	Grapevine Creek	2	4792	4792
Well No.	1- Ser. 664 Elev. 664			
District	Poca County Kanawha			
Surface	H.T. Lowe, Pocatigo, W.Va.			
Mineral	R.E.Eagan			
Drilling	Commenced Sept. 21, 1937			
	Completed Jan. 1, 1938			
Date Shot	Jan. 2, 1938 Depth 4757-4784			
Volume	8,708,000 Cu. Ft.			
Rock Press.	1750 # 26 hrs.			

CASING CEMENTED: 8 5/8"
780', 11-1-37.
6 5/8" , 440', 12-11-37.

A30
1/47

Formation	Color	Hov	Top	Base	Result	Formation	Color	Hov	Top	Base	Result
Soil			0	16		NOTE: Test before shot 10/10 M. in 2" Shot with 40 qts. Glycerine from 4757-84' Test A.S. 42/10 M. 6 5/8" 20 Min. 38/10 M. 6 5/8" 1 hr. 32/10 M. 6 5/8" Rock Press. 5 Min. 350# " " 10 Min. 600# " " 15 Min. 890#					
Slate	White	S	16	35							
Lime	Brown	H	35	90							
Slate & Shells	Black	S	90	150							
Rock	Red	S	150	210							
Slate & Shells	Black	S	210	265							
Sand	White	H	265	310							
Slate	Brown	S	310	350							
Sand	White	H	350	420							
Slate & Shells	Black	S	420	500	Water						
Sand	White	S	500	540	530'						
Slate	Black	S	540	800	1 $\frac{1}{2}$ Blr.						
Sand	White	S	800	835	pr. hr.						
Slate	Black	S	835	865							
Sand	White	H	865	910							
Slate	Black	S	910	925	Water						
Sand Salt	White	H	925	1225	990'						
Slate	Black	S	1225	1235	H.F.						
Lime	Black	S	1235	1300							
Maxon	White	H	1300	1370							
Slate	White	S	1370	1378							
Sand	White	H	1378	1412							
Slate	Black	S	1412	1415							
L. Lime	Black	H	1415	1435							
Slate	Black	S	1435	1438							
B. Lime	White	S	1438	1610							
Injun Sand	White	H	1610	1662							
Slate	Black	S	1662	1672							
Weir Shells	White	H	1672	1810							
Slate-Shells	White	Closed	1810	2075							
Berea Shells	White	H	2075	2175							
Slate-Shells	Light	S	2175	3290							
Shale	Brown	S	3290	3340							
Slate-Shells	Dark	Closed	3340	3720							
Shale	Brown	S	3720	3890							
Slate-Shells	Brown	S	3890	4400							
Shale	Brown	S	4400	4560							
Slate	Black	S	4560	4600	Sh. Gas						
Shale	Black	S	4600	4651	4757						
Corniferous Lime			4651	4751	Gas						
Oriskany Sand			4751	4787	4763- 3/10 M. 2"						
Lime & Sand			4787	4800	4775- 2/10 M. 6 5/8"						
Lime	Black		4800	4803	4777- 4/10 M. 6 5/8"						
TOTAL DEPTH				4803							

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. Kan.-460

Oil or Gas Well Gas
(Kind)

Company United Carbon Company
 Address 901 Union Building, Charleston, W. Va.
 Farm R. E. Eagan Acres 177.25
 Location (waters) Grapevine Creek
 Well No. 1 Serial #664 Elev. 664.00
 District Poca County Kanawha
 The surface of tract is owned in fee by H. I. Lowe
Pocataligo, W. Va. Address _____
 Mineral rights are owned by R. E. Eagan
 Address _____
 Drilling commenced Sept. 21, 1937.
 Drilling completed Jan. 1, 1938.
 Date shot Jan. 2, 1938. Depth of shot 4757-4784
 Open Flow /10ths Water in _____ Inch
32/10ths Merc. in. 6-5/8" O.D. Inch
 Volume 8,708,000 Cu. Ft.
 Rock Pressure 1750 lbs. 26 hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 530' feet _____ feet
 Salt water 990' feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	362'	362'	Size of
8 1/4	1668'	1668'	
6 5/8	4676'	4676'	Depth set
5 3/16			
3			Perf. top
2	4792'	4792'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 8-5/8" SIZE 780' No. FT 11-1-37
6-5/8" 440' 12-11-37
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Soil			0	16			
Slate	white	soft	16	35			
Lime	brown	hard	35	90			
Slate&Shells	black	soft	90	150			
rock	red	soft	150	210			
Slate&shells	black	soft	210	265			
Sand	white	hard	265	310			
Slate	brown	soft	310	350			
Sand	white	hard	350	420			
Slate&Shells	black	soft	420	500			
Sand	white	soft	500	540	water	530	1 1/2 Bailer-hour.
Slate	black	soft	540	800			
Sand	white	soft	800	835			
Slate	black	soft	835	865			
Sand	white	hard	865	910			
Slate	black	soft	910	925			
Sand-salt	white	hard	925	1225	water	990	Hole-full.
slate	black	soft	1225	1235			
Lime	black	soft	1235	1300			
maxon	white	hard	1300	1370			
Slate	white	soft	1370	1378			
Sand	white	hard	1378	1412			
Slate	black	soft	1412	1415			
Lime-little	black	hard	1415	1435			
Slate	black	soft	1435	1438			
Lime-big	white	soft	1438	1610			
Sand-injun	white	hard	1610	1662			
slate	black	soft	1662	1672			
shells-wear	white	hard	1672	1810			
slate-shells	white	closed	1810	2075			
Shells-berea	white	hard	2075	2175			
slate-shells	light	soft	2175	3290			
shale-	brown	soft	3290	3340			
slate-shells	dark	closed	3340	3720			
shale	brown	soft	3720	3890			
slate-shells	brown	soft	3890	4400			
shale	brown	soft	4400	4560			
slate	black	soft	4560	4600			
shale	black	soft	4600	4651			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime, Corniferous			4651	4751			
Sand, Criskany			4751	4787			
Lime & Sand			4787	4800			
Lime Black			4800	4803			
Total Depth				4803			
					Show of gas	4757	
					Gas 8/10M. 2"	4763	
					" 2/10M. 6-5/8"	4775	
					" 4/10M. "	4777	
					Test before shot 10/10M. in 2"		
					Shot with 40 qts. Glycerine from		
					4757 to 4784 Ft.		
					Test after shot 42/10M. 6-5/8"		
					20 Minutes 38/10M. 6-5/8" O.D.		
					30 " 35/10M. " "		
					40 " 34/10M. " "		
					50 " 33/10M. " "		
					1 Hour" 32/10M. " "		
					Rock Pressure 5 Minutes	350#	
					" " 10 "	600#	
					" " 15 "	890#	
					Drillers--		
					G.C. Lynch		
					F.M. Gill		

Date Jan 3, 1928

APPROVED United Carbon Co, Owner

By Terius Morris Dept

(Title)