

(15) 38° 30'
LATITUDE (7.5) 38° 27' 30"

7.5'

(15) 81° 30'
(7.5) 81° 32' 30"

LONGITUDE

7.5 OGIS topo location

7.5' 10C	<u>.15c</u>	15' 10C	<u>3.035</u>
	<u>.01W</u>	(calc.)	<u>2.27W</u>

Company Columbian Carbon

Farm GRANT Cooperhaver G (GW-380)

NE
Quad Big Chimney 7.5' / Charleston 15 (3)

County Kanawha

District ELK

WELL LOCATION MAP

File No. 039-229

Kanawha

Gas

DEEP WELL V 66 ELK - Poca (Sissonville) (192)

XVI

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

Permit No. Kan 229-D
Charleston Quad.
Company

Gas Well
CASING & TUBING

Address	Columbian Carbon Co 7/16 Int.	10	270'	
Farm	Philip Angel, Spec. Receiver for	8½	1515'	
Location	John C. Myers 9/16 Int.	6 5/8	4817'	
Well No	Charleston, W.Va.	1 1/4"	52'3	5002'4
District	Grant Copenhaver Acres 335			
Surface	Lick Branch			
Mineral	6 (GW-380) Elev. -- 810.56			
Commenced	Charleston <i>E/K</i> Kanawha County			
Completed	--			
Not shot	10-5-42			
Volume	10-7-42			
Rock Pressure	169,000 C.F.			
	110 lbs. 20 hrs.			

DRILLED DEEPER

Oriskany Sand	4916	
TOTAL DEPTH* OLD	4930	

DEEPENING RECORD

Oriskany Sand	4930	4953	
Black Lime	4953	4965	
Oriskany Sand	4965	4979	
Lime	4979	4984	
NEW TOTAL DEPTH	DLM	4983	Deepened Pay: 4950-53

1635
811

824

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. Kan-229

Oil or Gas Well GAS
(KGF)

Company..... COLUMBIAN CARBON CO. 7/16
Address..... AVIS 9/16
Farm..... Grant Copenhagen Acres 335
Location (waters)..... Lick Branch
Well No. 6 Elev. 810.56
District Elk County Kanawha
The surface of tract is owned in fee by.....
Mineral rights are owned by.....
Drilling commenced 5-18-36
Drilling completed 8-5-36
Date Shot Not Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 15,000 Cu. Ft.
Rock Pressure 1650# 15 hrs. 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			
16			Kind of Packer
18			
10"	270'		Size of
8"	1515'		
6"	1817'		Depth set
5 8/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Da
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
Surface			0	90			
Sandy Slate			90	280			
Slate			280	350			
Sandy Slate			350	400			
Slate			400	500			
Sand			500	545			
Slate			545	550			
Sand			550	570			
Slate			570	585			
Sand			585	690			
Slate			690	705			
Sand			705	710			
Slate			710	745			
Gray Shale			745	760			
Slate & Sand			760	850			
Slate			850	865			
Sand			865	875			
Blue Shale			875	890			
Sandy Lime			890	905			
Said Sand			905	960	Gas	935	Show
Slate			960	965			
Salt Sand			965	1225	Water	1225	Hole Full
Lime			1225	1130			
Little Lime			1130	1166			
Slate			1166	1169			
Lime			1169	1180			
Fencil Cave			1180	1184			
Big Lime			1184	1665			
Lime Shells			1665	2390			
Sand			2390	2405			
Slate & Shells			2405	3270			
Brown Shale			3270	3340			
Lime Shells			3340	3475			
Brown Shale			3475	3495			
Slate & Shells			3495	3675			
Brown Shells			3675	3860			
White Shale			3860	4525	Gas		
Brown Shale			4525	4721	Gas		
White Slate			4721	4731	Gas		
Black Shale			4731	4812			
Corniferous			4812	4916			
Crinoidal			4916	4930			
				4930			

SEP 19 1932
WEST VIRGINIA
DEPARTMENT OF MINES
1255
1928
1928
25 10 W 2 2 2 1 1
5 10 W 2 9 4 1
40 10 W 6-5 1
28 1 1 1