



Company	Columbian Carbon Co.
Address	Box 1240, Charleston, W. Va.
Farm	Minnie A. Bogges
Tract	Acres 20 Lease No.
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	912'
Quadrangle	Kenna
County	Kanawha District Poca
Engineer	C.A. Branham
Engineer's Registration No.	683
File No.	Drawing No.
Date	7/13/36 Scale 1"-200'

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

WELL LOCATION MAP
 File No. KAN-441-D

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.

E.C. Humphreys ABD
11/4/3
753 0.6W
4.40

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Kan-441-D

Gas Well

Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14	51	43
Address	Box 1240, Charleston, W. Va.	10-3/4	670	ulled
Farm	Minnie Boggess ACRES 20	8-5/8	1858-5	1858-5
Location	Rt. Fk. Grapevine Creek	6-5/8	4933-8	4933-8
Well No.	1 (GW-402) ELEV. 906 DF	Tubed when deepened:		
District	Poca - Kanawha County	2-3/8	5105-10	5105-10
Surface & Mineral Address	Minnie A. & Geo. E. Boggess Sissonville, W. Va.	No packer		
DRILLED DEEPER:				
Commenced	5/19/39			
Completed	5/23/39			
Shot	Not shot			
Volume	(Deepened) 5,130,000 c.f.			
Rock Pressure	1085 lbs. 24 hrs.			
Water	-			

Formation Color ^{Har} *TOP Base Result* *Formation Color* ^{Har} *TOP Base Result*

Original Company steel line measurements were correct as follows:

Black Shale	4848	4878	SLM
Corniferous Lime	4878	4989	
Oriskany Sand	4989	5009	Gas 4996-5009 Pay
OLD TOTAL DEPTH		5009	

DEEPEMED RECORD:

Oriskany Sand	5009	5038	
Black Lime	5038	5044	
Oriskany Sand	5044	5061	Gas 5032-5034 Pay
Lime	5061	5074	
NEW TOTAL DEPTH		5074	

FINAL CORRECTION

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. Kan-441

Gas Well

Kenna Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14"	51'	51'
Address	Box 1240, Charleston, W.Va.	10 $\frac{3}{4}$ "	670'	Pulled
Farm	Minnie A. Boggess Acres 20	8 5/8"	1858'5"	1858'5"
Location	Rt. Fk. Grapevine Creek	6 5/8"	4933'8"	4933'8"
Well No.	1 (GW-402) Elev. 906 d.f.			
District	Poca County Kanawha	Not tubed		
Surface	Minnie A. Boggess & Geo. E. Boggess			
Address	Sissonsville, W.Va.	CASING RECORD: SEE		
Mineral	Same	BELOW.		
Drilling	Commenced Sept. 23, 1937			
	Completed Dec. 23, 1937			
Date Shot	Not shot			
Volume	12,867,000 Cu.Ft.			
Rock Press.	1585# 14 hrs.			

Formation	Color	Hor s	TOP	Base	Result	Formation	Color	Hor s	TOP	Base	Result
Soil			0	10		CEMENT RECORD: Cemented 8 5/8" casing. Ran					
Slate	White		10	40		100 sacks Alpha cement mixed with 2% solution Aquagel. Ran 5 sacks Aquagel					
Sand			40	110		ahead of cement. Pipe went back to bottom.					
Red Rock			110	300		9' spacer. 15' cement left in hole.					
Slate	White		300	325		Lee Smart, Cementer. 10/30/37					
Red Rock			325	350							
Slate	White		350	375							
Sand			375	450		12/12/37 Cemented 6 5/8 casing. Ran					
Red Rock			450	475		25 sacks Alpha cement. 25' cement in hole.					
Slate & Shells			475	491		10' spacer. Plug stopped. Dallas Holley,					
Sand			491	638		Cementer (Halliburton Oil Well Cementing					
Slate			638	652		Co.)					
Sand			652	740							
Slate			740	840							
Sand			840	855							
Slate			855	935							
Sand			935	965							
Slate			965	1065							
Sand			1065	1110							
Slate			1110	1120	Water						
Salt Sand			1120	1580	1215						
Slate			1580	1582	HFW						
Little Lime			1582	1610							
Pencil Cave			1610	1612	Sm. Show						
Big Lime			1612	1774	Gas						
Big Injun			1774	1832	1250'						
Slate			1832	1834							
Lime	Black		1834	1890							
Slate & Shells			1890	3430							
Lime			3430	3445							
Shale	Brown		3445	3525							
Slate & Shells			3525	3843							
Shale	Brown		3843	3900							
Slate & Shells			3900	4560							
Shale	Brown		4560	4848							
Shale	Black		4848	4878							
Corniferous Lime			4878	4989	Gas Pay						
Criskany Sand			4989	5009	4996-						
TOTAL DEPTH				5009	5009						

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

CORRECTED

Permit No. Kan. -441

Gas Well

Kenna Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14"	51	51
Address	Box 1240, Charleston, W.Va.	10 $\frac{3}{4}$ "	670	Pulled
Farm	Minnie A. Boggess Acres 20	8 5/8"	1858'5"	1858'5"
Location	Rt. Fk. Grapevine Creek	6 5/8"	4933'8"	4933'8"
Well No.	1 (GW-402) Elev. 906.d.f.			
District	Poca County Kanawha			NOT TUBED
Surface Address	Minnie A. Boggess, & Geo. E. Boggess Sissonsville, W.Va.			See Cement Record below.
Mineral	Same			
Drilling	Commenced Sept. 23, 1937			
	Completed Dec. 23, 1937			
Volume	12,867,000 Cu.Ft.			
Rock Press.	1585# 14 hrs.			

Formation Color		Hor	Top	Base	Result	Formation Color	Hor	Top	Base	Result
Soil			0	10		CEMENT RECORD: 10/30/37- Cemented 8 5/8" casing. Ran 100 sacks Alpha cement mixed with 2% solution Aquagel. Ran 5 sacks Aquagel ahead of cement. Pipe went back to bottom. 9' spacer. 15' cement left in hole. Lee Smart, Cementer				
Slate	White		10	40		12/12/37- Cemented 6 5/8" casing. Ran 25 sacks Alpha cement. 25' cement in hole. 10' spacer. Plug stopped. Dallas Holley, Cementer, Halliburton Oil Well Cementing Co.				
Sand			40	110						
Red Rock			110	300						
Slate	White		300	325						
Red Rock			325	350						
Slate	White		350	375						
Sand			375	450						
Red Rock			450	475						
Slate&Shells			475	491						
Sand			491	638						
Slate			638	652						
Sand			652	740						
Slate			740	840						
Sand			840	855						
Slate			855	935						
Sand			935	965						
Slate			965	1065						
Sand			1065	1110						
Slate			1110	1120	Water					
Salt Sand			1120	1580	1215					
Slate			1580	1582	HFV					
Little Lime			1582	1610						
Pencil Cave			1610	1612	Sm. Show					
Big Lime			1612	1774	Gas					
Big Injun			1774	1832	1250					
Slate			1832	1834						
Lime	Black		1834	1890						
Slate & Shells			1890	3430						
Lime			3430	3445						
Shale	Brown		3445	3525						
Slate&Shells			3525	3843						
Shale	Brown		3843	3900						
Slate & Shells			3900	4560						
Shale	Brown		4560	4848						
Shale	Black		4848	4892						
Corniferous Lime			4892	5004						
Oriskany Sand			5004	5024	Gas Pay					
TOTAL DEPTH			5024	5011-5024						