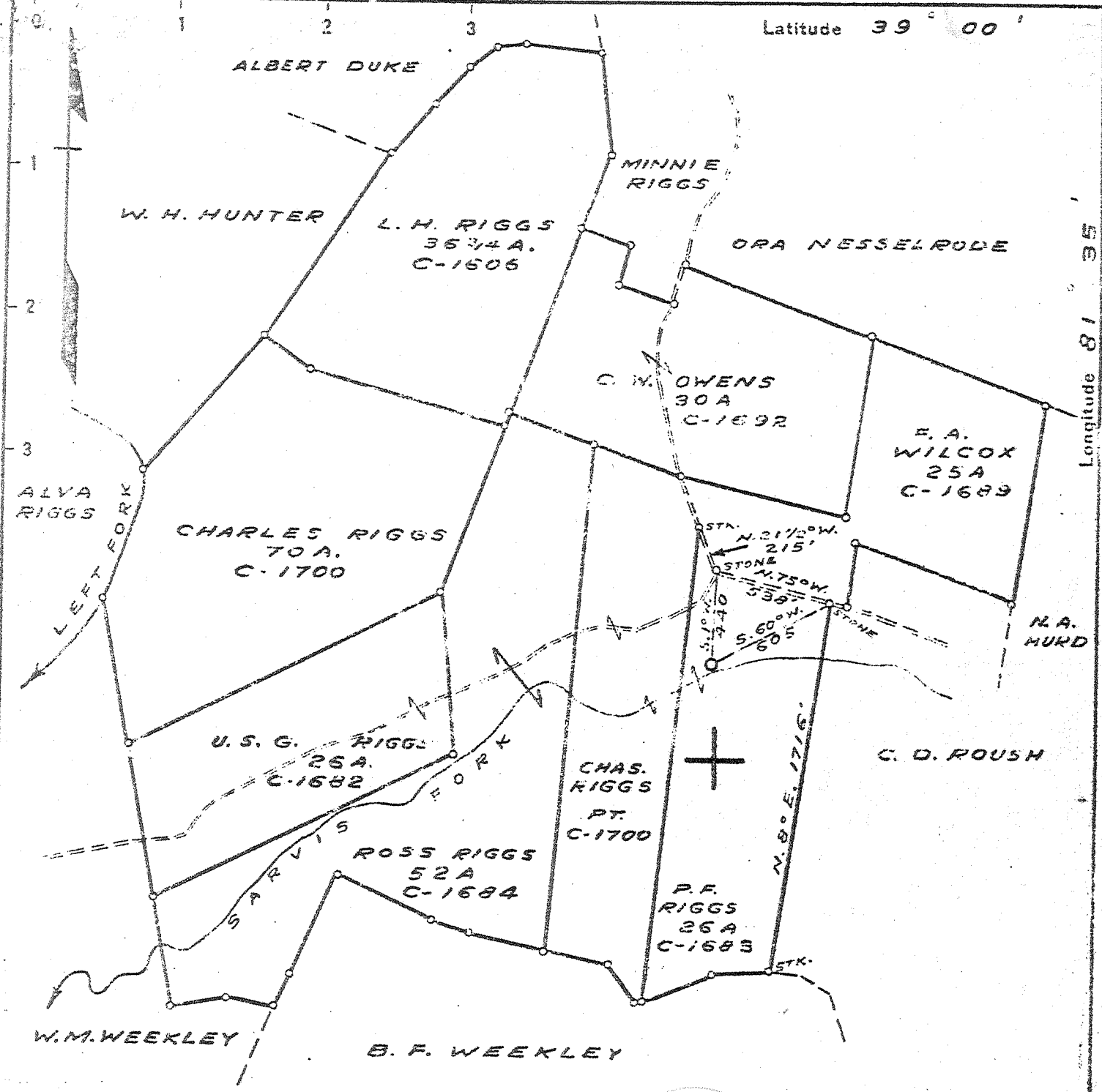


Latitude 39° 00'

Longitude 81° 35'



ABD  
3/52

2.66 W.  
5.32 S.

New Location   
 Drill Deeper   
 Abandonment

LOC. IS 0.8 MILE S.E. ODAVILLE  
 B. G. - P. 65

Company COLUMBIAN CARBON CO.  
 Address BOX 1240 - CHARLESTON - W. VA.  
 Farm P. F. RIGGS ET AL  
 Tract                    Acres 265 3/4 Lease No. 1684-1699  
                   1692-1700  
 Well (Farm) No. ONE Serial No.                     
 Elevation (Spirit Level) 534.4  
 Quadrangle RIPLEY N.W. (2)  
 County JACKSON District RAVENSWOOD  
 Engineer J. M. Hall  
 Engineer's Registration No. 772  
 File No.                    Drawing No.                     
 Date JULY 22, 1940 Scale 1" = 660'

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

WELL LOCATION MAP  
 FILE NO. JAC-96

+ 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.

SAMPLE STONES 6-6-192

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

Permit No. Jac-96  
Ripley N. W. Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface & Mineral  
Commenced  
Shot  
Volume  
Fresh Water  
Salt Water

Columbian Carbon Co.  
Box 1240, Charleston, W. Va.  
P.F. Riggs ACRES 265-3/4  
Sarvis Fork  
1 (GW-462) ELEV. 640.4DF  
Ravenswood - Jackson County  
P. F. Riggs, et al, Sandyville, W.Va.  
8/19/40 - completed 12/14/40  
12/15/40 - Depth 4939 SLM 4985 SLM  
4,500,000 c. f. - Rock Pres. 1870# 10 days  
26 2-11 blrs. hr. - 145 2-11 blrs. hr.  
510 3-11 blr. hr. - 1155 2-10 blr. hr.  
1236-1250 - hole full

Gas Well		
CASING & TUBING		
13-5/8	19-6	pulled
16	42-8	42-8
13-3/8	215-3	pulled
10-3/4	983-4	914-10
8-5/8	1997-7	1997-7
7	4887-6	4887-6
2-3/8	5060-10	5060-10
3-1/2	119-4	119-4

Gravel	0	10		Slate	1350	1375	
Slate	10	25		Lime	1375	1410	
Sand	25	50	W 26	Sand	1410	1425	
Red Rock	50	60		Black Slate	1425	1430	
Slate	60	70		Lime	1430	1440	
Red Rock	70	115		Sand	1440	1465	
Blue Slate	115	140		Lime	1465	1520	
Sand	140	159	W 145	Slate	1520	1530	
Red Rock	159	210		Lime	1580	1630	
Lime	210	216		Maxton Sand	1630	1697	
Slate	216	238		Pencil Cave	1697	1712	
Sand	238	245		Black Lime	1712	1719	
Slate	245	270		Coal - NO	1719	1721	P. carb.
Red Rock	270	275		Sand	1721	1731	
Slate	275	290		White Lime	1731	1779	
Red Rock	290	307		Gritty Lime	1779	1798	
Lime	307	320		White Lime	1798	1840	
Red Rock	320	330		Slate	1840	1845	
Slate	330	340		Big Injun Sand	1845	1850	
Sand	340	355		Water Sand	1850	1915	
Red Rock	355	375		Sand, hard	1915	1964	
Slate	375	420		Black Lime	1964	2068	
Red Rock	420	460		Slate&Shells	2068	2295	
Pgh. Sand	460	538	W 510	Brown Shale	2295	2314	
Slate	538	544		Berea Sand	2314	2317	
Sand	544	557		Slate&Shells	2317	2760	
Slate	557	630		Slate	2760	3440	
Red Rock	530	722		Slate&Shells	3440	3700	Sm. Show-
Lime Shell	722	730		White Slate	3700	3902	Gas 3580
Slate	730	790		Brown Shale	3902	4126	
Red Rock	790	795		White Slate	4126	4559	
Lime	795	832		Shale	4559	4827	SLM
Slate	832	860		Corniferous Lime	4827	4936	SLM
Lime, Hard	860	872		Oriskany Sand	4936	4986	per Sample
Slate	872	883		Limey Sand	4986	4999	" "
Red Rock	883	897		Lime Break	4999	5010	" "
Slate	897	915		Oriskany Sand	5010	5017	" "
Lime Shell	915	935		Lime	5017	5042	SLM T.D.
Red Rock	935	946					
Sand	946	965					
Slate	965	969	HSLM				
Lime	969	972	SLM				
Slate	972	977					
Lime	977	1028					
Sand	1028	1085					
Lime, black	1085	1090					
Slate, white	1090	1110					
Slate, dark	1110	1125					
Lime	1125	1150					
Sand	1150	1167	W 1155				
Slate, dark	1167	1175					
Slate&Shells	1175	1236					
Sand	1236	1262	HFW 1236-50				
Slate	1262	1265					
Lime	1265	1280					
Sand	1280	1350					

CEMENT RECORD:

9/13/40 Ran 10" csg. Ran 12 sacks Aquagel 4% mixture around 10" csg. Used 1-10" plug on top Aquagel. L.C. Miller, Cementer, Halliburton Oil Co. 11/24&25/40 Cemented 7" csg. Ran 49 sacks Aquagel & 5 sacks Fibertex mixed 6% solution. Aquagel and Fibertex ran together. Ran 15 sacks Alpha cement with 1 sack Aquagel following Fibertex & Aquagel. Ran one plug between Fibertex & cement, and one plug on top cement. Plug stopped 20' off bottom. Started circulation at 1125'. Ran 15 sacks cement & 1 sack of Aquagel. Bailed first cement out; plug stopped and let water thru into cement. 20' cement in hole. F. M. Mills, Cementer, Halliburton Oil Well Cem. Co.

PAYS: 4936-46;4955-59  
4973-74;4983-85