



Company COLUMBIAN CARBON CO.
 Address BOX 1240 CHARLESTON W.VA.
 Farm E. H. MORGAN ET AL
 Tract _____ Acres 241 Lease No. WU-64
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 775.0
 Quadrangle RIPLEY N.E.C. -2-
 County JACKSON District RAYENSWOOD
 Engineer J.M. Sell
 Engineer's Registration No 772
 File No. _____ Drawing No. 252
 Date MARCH 10, 1942 Scale. 1" = 660'

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

WELL LOCATION MAP
 FILE NO. JAC-308

+ 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. H. MORGAN NO. 1 (GW-658) WELL.

Ravenswood District, Jackson County, W. Va.
 By Columbian Carbon Co., Box 873, Charleston, W. Va.
 Drilled under permit Jac-308.
 On 241 acres, on Sarvis Fork.
 Elevation, 771.1' L. (derrick floor).
 Surface (64 ac.) owned by A. M. Smith, Ravenswood, W. Va., and minerals
 by E. H. Morgan et al., Sandyville, W. Va. (for addresses and names,
 contact Columbian Carbon Co.)

Drilling commenced April 7, 1942; completed, Aug. 2, 1942.

Well was not shot.

Fresh water at 317, 610, 660, and 1204-07'.

Salt water at 1760 and 5179-83'.

16" casing, 64' 6" (21' 5" left in); 13-3/8", 710' 7" (pulled);
 10 3/4", 1283' 7" (pulled); 8 3/8", 2095' 2" (pulled); 7", 5070' 6"
 (231' 11" left in).

Cement record: 4-25-42: Aquagelled 13-3/8" casing. Ran 25 sacks Aquagel
 and 1 sack Fibrotex. Circulation, 235'. No returns. Morris McDaniel,
 Cementer - Halliburton Oil Well Cementing Co.

5-18-42: Aquagelled 10 3/4" casing. Ran 18 sacks Aquagel and 1 sack Fibro-
 tex. No circulation. No returns. C. M. McDaniel, Cementer - Halli-
 burton Oil Well Cementing Co.

6-8-42: Aquagelled 8 3/8" casing. Ran 25 sacks Aquagel and 1 sack Fibrotex.
 Returns, 1500'. James E. Bramlett, Cementer - Halliburton Oil Well
 Cementing Co.

7-15-42: Cemented 7" casing. Ran 11 sacks of cement in pipe. Mixed
 and pumped 50 sacks of 6% Aquagel and 200# Fibrotex. Set pipe down
 through cement. Aquagel returns, 3500'. James E. Bramlett, Cementer -
 Halliburton Oil Well Cementing Co.

Dry hole. Record to ROT from O. W. Van Petten April 1, 1943.

	Top.	Bottom.
Red rock	0	185
Lime	185	200
Red rock	200	285
Hard lime	285	300
Blue mud	300	315
Red rock (fresh water, 317', 1/2 - 13" bailer per hour)	315	385
Broken sand	385	450
Slate	450	455
Red rock	455	460
Lime and sand	460	480
Red rock and shells	480	490
Slate and shells	490	535
Red rock and shells	535	560
Slate and lime	560	595
Pittsburgh Sand (fresh water, 610', 5 - 13" bailers per hour) (fresh water, 660', 10 - 13" bailers per hour)	595	665
Slate	665	700
Lime	700	750
Slate	750	898
Red rock	898	918
Slate	918	925
Lime	925	930
White slate	930	935
Red rock	934	945

(OVER)

Top.	Bottom.	
		White slate 945 - 980
		Red rock 980 - 995
		White slate 995 - 1020
		Red rock 1020 - 1030
		Slate 1030 - 1080
		Lime 1080 - 1131
		Slate 1131 - 1141
		Lime 1141 - 1147
		Blue slate 1147 - 1150
		Sand (fresh water, 1204-07', 2 - 13" bailers per hour) 1150 - 1245
		Black slate 1245 - 1283
		Lime 1283 - 1290
		Slate and shells 1290 - 1340
		White sand 1340 - 1370
		Sand 1370 - 1390
		Slate 1390 - 1395
		Sand 1395 - 1465
		Break 1465 - 1470
		Slate and shells 1470 - 1485
		White slate 1485 - 1490
		Black slate 1490 - 1610
		Sand 1610 - 1635
		Black slate 1635 - 1750
		Salt Sand (salt water, 1760', hole full) 1750 - 1920
		Break 1920 - 1935
		Lime 1935 - 1975
		Big Injun Sand 1975 - 1990
		Slate break 1990 - 1994
		Big Injun Sand 1994 - 2090
		Lime 2090 - 2180
		Slate and shells 2180 - 2435
		Brown shale 2435 - 2438
		Berea Grit shell 2438 - 2475
		Sandy shale 2475 - 2512
		Sand 2512 - 2525
		Slate and shells 2525 - 2600
		Lime 2600 - 2610
		Slate 2610 - 2685
		Lime 2685 - 2705
		Slate and shells 2705 - 2775
		Gray shale 2775 - 3165
		Slate and shells 3165 - 3375
		Gray shale 3375 - 3730
		Brown shale - 441 3730 - 3780
		Slate and hard shells 3780 - 3880
		Brown shale 3880 - 3900
		Gray shale 3900 - 3930
		Lime 3930 - 3950
		Gray shale 3950 - 3975
		Brown shale 3975 - 4075
		White shale and lime 4075 - 4100
		Gray shale 4100 - 4125
		Brown shale 4125 - 4165
		Lime 4165 - 4170
		Brown shale 4170 - 4285
		Gray shale 4285 - 4715
		Brown shale and shells 4715 - 4755

Bottom.
 4810 (SLM)
 5025
 5151
 5214
 5242
 5254
 5254

Top.
 4755
 4810
 5025
 5151
 5214
 5242
 5242

Brown shale
 Black shale - 4165
 Corniferous Lime (SLM)
 Criskany Sand (salt water, 5179-83', 1/2 bailer per hour)
 Dark lime
 Broken lime
 Total depth (SLM) 4755