



New Location    
 Drill Deeper    
 Abandonment

0.28  
 3.02  
 2.98-W  
 9 N4 (L-6)

Company COLUMBIAN CARBON Co  
 Address BOX 1240 CHARLESTON W.VA.  
 Farm ROWLAND LAND Co.  
 BLOCK No. 4 Acres 6258.986 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. GW 663  
 Elevation (Spirit Level) 1422.0  
 Quadrangle ECCLES S-W 9  
 County RALEIGH District MARSH FORK  
 Engineer C.O. Branham  
 Engineer's Registration No. 683  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 4/4/42 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. RAL-17

+ 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.

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

Dry Hole  
CASING & TUBING

Permit No. Ral 17			
Eccles S.W. Quad.			
Company	Columbian Carbon Company		
Address	Box 873, Charleston, W.Va.	18	24'2
Farm	Rowland Land Co. Acres 6258.986	16	41'1
Location	Peachtree Creek	13 3/8	304'6
Well No	1 ( GW 663) Elev. 1422.4 DF	10 3/4	1588'8 Pulled
District	Marsh Fork Raleigh County	8 5/8	2944' "
Surface	Rowland Land Co., St. Albans, W.Va.	6 5/8	5996'2
Mineral	Rowland Land Co., St. Albans, W.Va.		
Commenced	5-6-42		Coal at 230' 24";
Completed	5-6-43		452' 24"
Volume	Dry Hole		
Fresh Water	26' 3 1/2"-16" Blrs./hr.; 420-25 8-12" Blrs./hr.		
Salt Water	1080'; 1983' 1/2-10" Blr./hr.; 5983' 1/2-6" Blr./hr.		
	6627-30' 3 blrs./hr.		

Gravel	0	22	✓ Pencil Cave - 311	2103	2130
Sand	22	175	Black Lime	2130	2150
Slate	175	219	Gray Lime	2150	2165
Sand	219	230	Black Slate	2165	2170
✓ Coal	230	232	✓ Black Lime	2170	2190
Slate	232	241	White Lime	2190	2224
Sand	241	251	Black Lime	2224	2290
Lime	251	297	White Lime	2290	2480
Sand	297	305	Sandy Lime	2480	2550
Lime, Slate	305	360	Sand	2550	2563
Sand	360	404	Slate	2563	2595
Slate	404	407	✓ Sand - wear	2595	2675
Lime	407	418	Slate & Shells	2675	2990
Sand	418	452	Brown Shale - coffee sh	2990	3004
✓ Coal	452	454	✓ Sand - <del>Ben</del>	3004	3030
Slate	454	460	Slate & Shells	3030	4485
Lime	460	478	Brown Shale	4485	4650
Sand	478	680	Slate	4650	4690
Slate	680	784	Brown Shale	4690	4778
Lime	784	815	Slate	4778	5110
Sand	815	842	Black Shale	5310	5390
Lime, Slate	842	908	White Slate	5390	5495
Sand	908	945	Black Shale	5495	5615
Lime	945	1119	Shells	5615	5635
Sand	1119	1165	Black Shale	5635	5670
Slate	1165	1275	White Slate	5670	5700
Lime	1275	1402	Black Shale	5700	5780
Red Rock	1402	1408	White Slate	5780	5825
Sand	1408	1423	✓ Black Shale	5825	5933
Red Rock	1423	1435	✓ Corniferous Lime	5933	6014
Lime	1435	1488	✓ Sand <del>Dark</del>	6014	6065
Sand	1488	1505	✓ Lime - <del>Heller</del> 5933 6014	6065	6559
Red Rock	1505	1527	✓ Gritty Lime 1422 1422	6559	6598
Lime	1527	1533	Lime	6598	6623
Red Rock	1533	1560	✓ Sand <del>McKenzie</del>	6623	6637
Lime	1560	1608	Grey Lime - 451 4692	6637	6648
Red Lime	1608	1612	Sandy Lime	6648	6645
Broken Slate & Sand	1612	1637	✓ Black Lime	6645	6663
Slate	1637	1677	Grey Lime	6663	6670
Sand	1677	1710	Black Lime	6670	6703SLM
White Sand	1710	1730	TOTAL DEPTH		6703SLM
Slate	1730	1750	STATUS OF WELL BEFORE PLUGGING		
Sand	1750	1840	Gas show 1418'; Gas 1594-98 60' M (SAS) 6598		
Slate	1840	1847	Gas 1633-35 84 M; Gas 1730, 25, 830';		
Black Lime	1847	1856	Gas 2504-07 169 M-blew down to 84 M in		
Slate	1856	1868	18 hrs. 1422		
Red Rock	1868	1907	CEMENT RECORD: 6-9-42 Aquagelled 13 3/8"		
Slate	1907	1970	Casing. Ran 10 sacks aquagel mixed with		
Maxon Sand	1970	2015	1 bale Fibrotex.		
Slate	2015	2020	9-14-43- Aquagelled 10 1/2" casing. Ran 30		
Little Lime	2020	2072	sacks aquagel mixed with 2 bales Fibrotex.		
Slate	2072	2100	11-15-42 Aquagelled 8 5/8" casing. Ran 36		
Black Lime	2100	2103	sacks Aquagel mixed with 1 1/2 bales Fibrotex		
			1-17-43 Cemented 7" casing. Ran 89 sacks		
			aquagel. Ran 10 sacks cement. 5176		

ROWLAND LAND COMPANY NO. 1 (GW-663) WELL.

Marsh Fork District, Raleigh County, W. Va.

By Columbian Carbon Co., Charleston, W. Va.

Located 3.02 mi. W. of 81° 25' and 0.28 mi. S. of 37° 50' - SW - Eccles  
Quadrangle.

Elevation, 1422.0' L.

Permit Ral-17.

Drilling commenced May 6, 1942; completed May 6, 1943.

Fresh water at 26 and 420-425'.

Salt water, 1080, 1983, 5983, and 6627-6630'.

Coal was encountered at 230-232' and 452-454'.

18" casing, 24' 2"; 16", 42' 2"; 13-3/8", 304' 6"; 10 3/4", 1588' 8"; 8 5/8", 2944';  
7", 5996' 2".

Dry hole.

Section based on nearly complete set of samples examined by J. H. C. Martens,  
Most of samples are very small and many are so stained with rust that  
true color can not be described satisfactorily.

Record from Martens June 16, 1944.

Top. Bottom. Thickness.

POTTSVILLE FORMATION, 1040+ FEET			
Top	Bottom	Thickness	Description
0	21	21	Sandstone, brown, coarse
21	32	11	Sandstone, light-gray, very fine (fresh water, 26', 3 1/2 - 16" bailers per hour)
32	52	20	Sandstone, nearly white, medium- to fine-grained, with a few pieces of black carbonaceous matter; mostly broken up into individual grains
52	115	63	Sandstone, white to light-gray, fine; has high propor- tion of quartz, with crystal faces on many grains
115	165	50	Sandstone, white, coarse, with traces of coal and black shale
165	174	9	Siltstone, gray, sandy
174	218	44	Shale, dark-gray, silty; also some siltstone
218	224	6	Sandstone, gray, fine, silty
224	228	4	Sandstone, fine, with much rust stain
228	231	3	Sandstone, nearly white, very fine
231	241	10	Sandstone, light-gray, very fine, 80%; gray shale, 20%
241	251	10	Sandstone, light-gray, very fine
251	263	12	Shale, black, silty, 70%; gray, fine to very fine sand- stone, 30%
263	269	6	No sample
269	278	9	Shale, black, silty, 60%; gray, fine to very fine sand- stone, 40%
278	285	7	Sandstone, light-gray, fine
285	288	3	Sandstone, light-gray, very fine, 60%; black, silty shale, 40%
288	293	5	No sample
293	310	17	Sandstone, light-gray, very fine
310	324	14	Shale, black
324	329	5	Shale and siltstone, black to dark-gray
329	335	6	Sandstone, light-gray, very fine
335	342	7	Siltstone, gray
342	352	10	Siltstone and silty shale, dark-gray to black
352	360	8	Sandstone, light-gray to brownish, fine, 70%; black to dark-gray silty shale, 30%
360	377	17	Sandstone, white, fine, nearly all quartz
377	398	21	Sandstone, white, with some rust stains, fine, nearly all quartz
398	401	3	No sample

(Continued on page 2--OVER)

Top.	Bottom.	Thickness.	
401	- 416	15	Shale, dark-gray, very silty, 70%; light-gray fine sandstone, 30%
416	- 432	16	Sandstone, white to light-gray, fine, also some dark silty shale (fresh water, 420-425', 8 - 12" bailers per hour)
432	- 448	16	Sandstone, white, with some rust stain, medium-grained
448	- 452	4	Sandstone, white, coarse
452	- 466	14	Shale, black, with a little coal, 60%; gray siltstone, 40%
466	- 478	12	Coal and black shale, 70%; white, fine sandstone, 30%; not much pure coal
478	- 494	16	Sandstone, white, fine, 70%; coal and black shale, 30%
494	- 521	27	Sandstone, white, fine
521	- 533	12	Sandstone, light-gray, fine
533	- 556	23	Sandstone, white, fine- to medium-grained; has moderate amount of rust stain
556	- 562	6	Sandstone, white, coarse
562	- 590	28	Sandstone, light-gray, very fine to fine
590	- 620	30	Sandstone, white, with some rust stain, medium-grained
620	- 626	6	Shale, gray, very silty
626	- 650	24	Sandstone, white, fine- to medium-grained; some rust stain from drill steel throughout
650	- 655	5	No sample
655	- 675	20	Sandstone, white, coarse, poorly sorted
675	- 701	26	Shale, dark-gray to black, silty; also some siltstone
701	- 727	26	Shale, dark-gray to black
727	- 743	16	Shale and siltstone, dark-gray
743	- 748	5	Sandstone, gray, very fine; silty, 60%; black shale with trace of coal, 40%
748	- 764	16	Siltstone and silty shale, gray
764	- 774	10	Shale, dark-gray
774	- 809	35	Siltstone, gray, with a little dark-gray to black shale
809	- 814	5	Sandstone, gray, very fine, 60%; gray shale and siltstone, 40%
814	- 819	5	Sandstone, white, coarse
819	- 842	23	Sandstone, gray, fine to very fine
842	- 867	25	Sandstone, gray, mostly very fine, with large amount of dark-gray siltstone
867	- 874	7	Sandstone, light-gray, fine, 70%; dark-gray shale, 30%
874	- 879	5	Shale, very dark gray, silty
879	- 885	6	No sample
885	- 899	14	Shale, black
899	- 904	5	Shale, black, with a little coal, 70%; very fine gray sandstone, 30%
904	- 908	4	Sandstone, gray, very fine, 60%; black shale and coal, 40%
908	- 945	37	Sandstone, light-gray to nearly white, fine
945	- 956	11	Shale, dark-gray, silty
956	- 961	5	Sandstone, gray, very fine, 70%; black silty shale, 30%
961	- 967	6	Shale, black
967	- 973	6	Shale, gray
973	- 981	8	Siltstone, gray, 50%; black shale with a little coal, 50%
981	- 997	16	Siltstone, gray; small amount of black shale
997	- 1005	8	No sample
1005	- 1010	5	Siltstone, gray; also some gray clay
1010	- 1015	5	Siltstone, very dark gray, fine
1015	- 1040	25	Shale, black

(Continued on page 3)

Top. Bottom. Thickness.

## MAUCH CHUNK GROUP, 1098 FEET

1040 - 1044	4	Clay, brownish-gray, 50%; green, micaceous shale, 50%
1044 - 1050	6	Siltstone, green, 60%; brownish-gray clay, 40%
1050 - 1054	4	Siltstone, green
1054 - 1059	5	Siltstone, light-gray to green, sandy
1059 - 1063	4	No sample
1063 - 1075	12	Shale, gray, micaceous
1075 - 1117	42	Siltstone and shale, gray
1117 - 1165	48	Sandstone, light-gray, fine- to medium-grained
1165 - 1188	23	Shale and siltstone, dark-gray
1188 - 1208	20	Shale, dark-gray to black
1208 - 1219	11	No sample
1219 - 1277	58	Shale, black, distinctly laminated and closely jointed
1277 - 1285'	8	Sandstone, white, very fine, 50%; black, gray, and greenish shale, 50%
1283' - 1299	16	Sandstone, white, very fine, with some shale as above
1299 - 1318	19	Shale, dark-gray to greenish, thinly laminated and closely jointed; also a little siltstone and very fine sandstone and a few pieces of dolomite
1318 - 1328	10	Siltstone, gray to greenish, 80%; gray, green, and brown shale, 20%
1328 - 1338	10	Siltstone, gray, 50%; gray to brown limestone, 30%; gray shale, 20%
1338 - 1342	4	Shale, gray and green, thinly laminated, 80%; light-brown limestone, 20%
1342 - 1362	20	Shale, gray and green, thinly laminated and closely jointed; a few pieces slickensided
1362 - 1402	40	Shale, gray, laminated, 80 to 70%; gray limestone, 20 to 30% (this interval may be mostly limestone)
1402 - 1405	3	Shale, grayish-green, 80%; red silty shale, 15%; gray limestone, 5%
1405 - 1409	4	Shale, gray, 80%; red silty shale, 20%
1409 - 1412	3	Shale, grayish-green, 60%; red shale, 30%; light-green siltstone, 20%
1412 - 1420	8	Shale, red, 50%; grayish-green shale, 40%; light-green siltstone, 10% (gas show, 1418')
1412 - 1463	51	Shale, red, calcareous; also small amounts of grayish-green shale
1463 - 1472	9	Sandstone, white to pink, very fine, silty, 80%; red and gray shale, 20%
1472 - 1481	9	Shale, red
1481 - 1484	3	Sandstone, light-red and light-green, very fine
1484 - 1490	6	Sandstone, light-green and white, very fine, 60%; red and gray shale, 40%
1490 - 1493	3	Shale, gray, 60%; red shale, 20%; light-gray to greenish siltstone and very fine sandstone, 20%
1493 - 1501	8	Shale, gray
1501 - 1512	11	No sample
1512 - 1572	60	Shale and siltstone, red
1572 - 1576	4	Dolomite, brown, very fine textured
1576 - 1577	1	Shale, red and green
1577 - 1583	6	Shale, gray, silty, micaceous
1583 - 1598	15	Dolomite, gray, very fine textured; also much gray shale (gas, 1594-1598'; 60 M. cu. ft.)
1598 - 1604	6	Siltstone, light-red, 60%; nearly white siltstone, 20%; dolomite, shale, etc., 20%

(Continued on page 4--OVER)

Top.	Bottom.	Thickness.	
1604	- 1611	7	Dolomite, gray, very fine textured, 70%; red shale, 30%
1611	- 1614	3	Dolomite, gray, 40%; gray shale and siltstone, 40%; red shale, 20%
1614	- 1619	5	Siltstone, reddish to nearly white, coarse
1619	- 1635	16	Siltstone, gray, shaly, 60%; light-gray, very fine sandstone, 40% (gas, 1633-1635', 84 M. cu. ft.)
1635	- 1665	30	Shale, gray, with a few fossils
1665	- 1674	9	Siltstone, gray, fine; also some gray shale
1674	- 1684	10	Sandstone, light-red, with some green specks, very fine
1684	- 1694	10	Siltstone, gray, with some pink and green; not much finer than sandstone above
1694	- 1711	17	Sandstone, nearly white, very fine
1711	- 1720	9	Sandstone, white, medium-grained
1720	- 1730	10	Sandstone, very light brown, fine
1730	- 1740	10	Shale, greenish-gray (gas, 1730', 25,830 cu. ft.)
1740	- 1750	10	Siltstone and shale, gray
1750	- 1760	10	Sandstone, white, very fine to fine, 70%; gray to greenish shale and siltstone, 30%
1760	- 1837	77	Sandstone, white, fine, nearly all quartz; crystal faces on many grains
1837	- 1847	10	Shale, gray, silty
1847	- 1863	16	Shale, gray
1863	- 1880	17	Shale, red
1880	- 1888	8	Shale, grayish-red, 60%; gray and green shale, 40%
1888	- 1894	6	Shale, gray
1894	- 1907	13	Dolomite, gray, very fine textured, 50%; gray and red shale, 50%
1907	- 1927	20	Limestone, gray, mostly dolomitic, 70%; gray and red shale, 30%
1927	- 1955	28	Shale, dark-gray, very silty
1955	- 1970	15	Siltstone, gray to dark-gray
1970	- 1981	11	Sandstone, gray, very fine
1981	- 1998	17	Sandstone, white to light-gray, with some rust stain; fine to very fine (salt water, 1983'; $\frac{1}{2}$ - 10" bailer per hour)
1998	- 2020	22	Shale, gray, with much rust stain
2020	- 2031	11	Limestone, gray; also much gray, silty, and calcareous shale
2031	- 2066	35	Limestone, gray to brownish, with some gray shale
2066	- 2072	6	Limestone, brown, fossiliferous
2072	- 2080	8	Shale, gray to light-green, calcareous and dolomitic; also some limestone
2080	- 2088	8	Limestone, gray, fossiliferous
2088	- 2096	8	Shale, gray, fossiliferous, and calcareous
2096	- 2102	6	Limestone, dark-gray to brownish, oolitic (?)
2102	- 2138	36	Shale, gray, fossiliferous, distinctly laminated; also a few pieces of limestone GREENBRIER LIMESTONE, 358 FEET
2138	- 2146	8	Limestone, light-gray, fossiliferous, 60%; gray fossiliferous shale, 40%
2146	- 2161	15	Limestone, gray
2161	- 2179	18	Limestone, gray, shaly, and silty, fossiliferous
2179	- 2257	78	Limestone, light-brown to brown
2257	- 2270	13	Limestone, gray and brown, oolitic (?)
2270	- 2293	23	Limestone, light-brown
2293	- 2302	9	Limestone, light-brown, with small round objects resembling oolites

Top.	Bottom.	Thickness.	
2302	- 2372	70	Limestone, very light brown
2372	- 2379	7	Limestone, nearly white
2379	- 2416	37	Limestone, gray and light-brown
2416	- 2426	10	Limestone, nearly white, oolitic; oolites are thoroughly cemented together
2426	- 2465	39	Limestone, light-brown
2465	- 2480	15	Limestone, brown to gray
2480	- 2489	9	Limestone, dark-gray, with some well rounded sand grains
2489	- 2496	7	Dolomite, gray to brownish, silty, and sandy; contains about 10" of white anhydrite; many pieces of the dolomite are highly pyritic
POCONO FORMATION, 526 FEET			
2496	- 2500	4	Siltstone, light-gray to brownish, with a few small spots of red; sandy and dolomitic
2500	- 2514	14	Shale, gray, silty (gas, 2504-2507', 169,000 cu. ft.; blew down to 84,000 cu. ft. in 18 hrs.)
2514	- 2525	11	Siltstone, gray to light-gray
2525	- 2534	9	Shale, gray, silty
2534	- 2563	29	Siltstone, gray to light-gray, fairly coarse
2563	- 2595	32	Shale and siltstone, gray
2595	- 2633	38	Sandstone, light-gray, very fine
2633	- 2671	38	Sandstone, light-gray, very fine, silty, 50 to 70%; dark-gray shale, 50 to 30%
2671	- 2695	24	Shale, dark-gray; also some siltstone and very fine sandstone
2695	- 2716	21	Shale, dark-gray
2716	- 2723	7	Shale, dark-gray, 50%; gray siltstone and very fine sandstone, 50%
2723	- 2746	23	Sandstone, light-gray, very fine, 70%; dark-gray shale, 30%
2746	- 2910	164	Shale, dark-gray, with some interbedded siltstone
2910	- 2984	74	Siltstone and silty shale, gray
2984	- 2990	6	Shale, dark-gray, with some siltstone
2990	- 3004	14	Shale, black
3004	- 3014	10	Sandstone, light-gray, very fine, 30%; dark-gray to black shale, 30%; gray siltstone, 40% (Berea Sandstone)
3014	- 3022	8	Sandstone, light-gray, very fine, 20%; gray siltstone, 60%; gray to dark-gray shale, 20%
DEVONIAN SHALES, 2808 FEET			
3022	- 3033	11	Siltstone and shale, gray
3033	- 3048	15	No sample
3048	- 3742	694	Shale and siltstone, gray
3742	- 4170	428	Shale, gray to dark-gray; also some siltstone, but generally much less than in the interval above; some very small spherical pyrite concretions in several of the samples from below 3947'
4170	- 4245	75	Siltstone, gray to light-gray, shaly, 70%; very dark gray shale, 30%
4245	- 4400	155	Shale, very dark gray, 50 to 80%; lighter gray siltstone, 50 to 20%
4400	- 5270	870	Shale, very dark gray to gray; small amounts of siltstone in many samples; there is generally more of this above 4600'
5270	- 5305	35	Shale, black; many pieces are shiny and slickensided, resembling anthracite coal

Top.	Bottom.	Thickness.	
5305	- 5767	462	Shale, very dark gray to black; some slickensided fragments in every sample; a few small calcite veins, 5711-5767'
5767	- 5887 5930	120	Shale, black, slickensided, with small calcite veins Corrected depth to bottom of shale and top of "Corniferous", based on SLM HUNTERSVILLE CHERT, 84 FEET
5930	- 5936	6	Limestone, gray to brownish, very cherty, containing small amount of yellow sphalerite
5936	- 5942	6	No sample
5942	- 5948	6	Limestone, gray, very cherty
5948	- 5974	26	Chert and very cherty limestone, gray to brownish
5974	- 5986	12	Limestone, gray, very cherty; contains some silt and a little glauconite
5986	- 6014	28	Limestone, gray, very silty and cherty; broken into very small pieces; some of this might be called calcareous and cherty siltstone ORISKANY SANDSTONE, 18 FEET
6014	- 6032	18	Sandstone, light-gray, fine, calcareous HELDERBERG GROUP, 133 FEET
6032	- 6039	7	Limestone, light-gray (?), silty, and cherty; samples are broken very fine and have much rust stain
6039	- 6054	15	Limestone, light-gray, very silty and somewhat cherty
6054	- 6065	11	Chert, gray, silty, and calcareous
6065	- 6124	59	Limestone, light-gray, fossiliferous; mostly contains rather small amount of chert and fairly abundant silt and fine to very fine sand
6124	- 6141	17	Limestone, gray, silty, and cherty
6141	- 6165	24	Limestone, gray to dark-gray, fossiliferous, silty, partly shaly SALINA AND LOCKPORT FORMATION, 533+ FEET
6165	- 6173	8	Limestone, dark-brown, very fine textured, slightly dolomitic
6173	- 6192	19	Dolomite, gray to brownish, very finely crystalline
6192	- 6199	7	Limestone, dark-gray, highly dolomitic; only slightly different from interval above
6199	- 6205	6	Limestone, dark-brown
6205	- 6229	24	Limestone, dark-brown, highly dolomitic
6229	- 6242	13	Dolomite, gray to brownish; also some small doubly terminated quartz crystals, fragments of larger quartz crystals, and cleavage fragments of anhydrite
6242	- 6259	17	Dolomite, brown
6259	- 6277	18	Dolomite, brown, with rather small amounts (5 to 10%) of anhydrite
6277	- 6297	20	Dolomite, gray to brownish
6297	- 6313	16	Limestone, dark-brown, dolomitic
6313	- 6318	5	Dolomite, gray
6318	- 6336	18	Dolomite-anhydrite rock; dark-brown dolomite mixed with 30 to 40% of anhydrite, much of which is white
6336	- 6340	4	Dolomite, dark-brown
6340	- 6363	23	Dolomite, brown, with some anhydrite
6363	- 6377	14	Dolomite-anhydrite rock, brown
6377	- 6414	37	Dolomite, brown to gray, with about 5 to 20% of anhydrite
6414	- 6440	26	Dolomite, brown to light-brown, with small amount of anhydrite
6440	- 6445	5	Dolomite, dark-gray, shaly



Top.	Bottom.	Thickness.	
6445	- 6478	33	Dolomite, brown, with small amounts of anhydrite, some of which is in clear cleavage fragments
6478	- 6612	134	Dolomite, brown to gray; varies some in texture but more is as coarse as is typical of Lockport Dolomite in Ohio; all is broken up fine
6612	- 6623	11	Dolomite, silty; much stained with iron rust
6623	- 6632	9	Sandstone, very fine, somewhat dolomitic; heavily stained with brown rust so that natural color can not be seen (water at 6627-6630', 3 bailers per hour)
6632	- 6655	23	Dolomite, silty; very heavily stained with rust; samples are broken up very fine
6655	- 6665	10	Dolomite, dark-gray; contains some silt and very fine sand
6665	- 6670	5	Dolomite, silty, rust stained
6670	- 6684	14	Dolomite, dark-gray (/), silty; may include some dolomitic limestone
6684	- 6708	24	Limestone, dark-gray, dolomitic, silty, and partly shaly; samples broken very small and heavily stained with rust
	6708		Total depth; corrected to 6703' by SIM