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The mimeograph circulars issued from the Bureau of Economic Geology contain the record of cores and cuttings from wells received and described in the Bureau. In some instances drillers' logs and other data are given, although it is usually impracticable to include logs of all wells, the logs given being selected as representative of the county or area to which the circular relates. The elevations given are for the most part those reported with the drillers' log. In some instances the elevation given, as indicated, is that obtained from the location of the well on the topographic map. In all cases the elevation is to be regarded as approximate only.

E. H. Sellards

WELL RECORDS OF NUECES COUNTY

W. R. Anderson 1, R. and G. Anderson

Located in the Benton Pasture Subdivision near Agua Dulce. Gas well. Casing set at 2,015 feet; total depth 2,023 feet.

Driller's Log			
	Depth in feet		Depth in feet
	To		To
Soil	3	Sticky shale	1012
Yellow clay	70	Sand and lime streaks	1049
Sand	90	Sand	1058
Gravel	98	Sticky shale	1157
Yellow clay	140	Hard sand; core 1165 feet	1200
Sand	173	Shale	1206
Yellow clay	224	Brown sand; core 1209 feet	1236
Sand	236	Gumbo	1256
Yellow clay	269	Greenish sand; core 1258 feet	1280
Sand	281	Tough shale and gumbo	1340
Red clay	348	Sand; core 1345 feet	1348
Water sand	445	Gumbo	1356
Sticky shale; 10" casing cemented		Sand; core 1358 feet	1396
450'	491	Sticky lime shale, traces lignite	1491
Water sand	544	Tough shale; core 1600 feet	1632
Sticky shale	560	Sand; core 1635 feet	1639
Water sand	604	Hard shale; core 1640 feet	1678
Hard sand	613	Sand rock	1686
Sticky shale	640	Sulfur water sand; core 1687 feet	1703
Water sand	674	Shale	1730
Shale and boulders	720	Sand	1767
Sandy shale	745	Gumbo	1882
Sticky shale	752	Soft sand rock	1886
Sand	774	Gas sand; core 1889 feet	1896
Gumbo	790	Shale	1898
Sand and lime streaks	809	Salt water sand	1910
Gumbo	820	Gumbo	1973
Broken lime and sand strata	880	Sand	1982
Gumbo	922	Gumbo	2013
Sand	935	Cap rock; casing set at 2015 feet-2015	
Gumbo	947		
Sand	980		

Evelyn 1

Located on the beach near Gorpus Christi.

Driller's Log			Depth in feet	
	Depth in feet		To	To
Shell	8	Hard gumbo	1585	
Sand	194	Sand and boulders	1595	
No record	202	Packed sand	1631	
Soft gumbo	248	Gumbo	1640	
Soft rock	249	Soft rock	1643	
Blue gumbo	269	Rock; hard streaks	1653	
Rock	270	Gumbo; boulders	1658	
Blue gumbo	521	Rock	1679	
Hard rock	528	Boulders	1694	
Blue gumbo	566	Blue gumbo	1724	
Shale	582	Rock	1726	
Blue gumbo	680	Gumbo and boulders	1771	
Shale	695	Blue gumbo	1804	
Gumbo	740	Rock	1817	
Shale and boulders	760	Hard blue shale	1830	
Blue gumbo	789	Gumbo and boulders	1834	
Sand	805	Shale	1862	
Gumbo	838	Blue shale	1868	
Shale	880	Gumbo and boulders	1879	
Gumbo	960	Blue shale	1916	
Blue gumbo	997	Soft blue gumbo	1938	
Hard sand	1001	Soft rock	1955	
Tough gumbo	1052	Blue shale	1967	
Hard blue shale	1058	Hard brown shale	1980	
Hard gumbo	1079	Soft gray rock	1992	
Shale	1100	Blue gumbo	1996	
Hard gumbo	1114	Tough gumbo	2032	
Hard sand	1124	Shale and boulders	2040	
Gumbo and boulders	1134	Soft gumbo	2050	
Gumbo	1170	Rock, soft	2055	
Rock	1171	Gumbo	2063	
Shale	1184	Shale and boulders	2103	
Sand	1195	Hard red shale	2132	
Hard gumbo	1225	Rock	2134	
Brown shale	1270	Hard gumbo	2147	
Hard gumbo	1281	Soft rock	2154	
Hard sand	1295	Blue gumbo	2180	
Tough gumbo	1300	Hard shale and sand	2204	
Hard sand	1317	Blue gumbo	2214	
Shale	1325	Blue shale	2223	
Sand, shale	1334	Hard gumbo	2227	
Gumbo	1370	Hard shale	2237	
Hard gumbo	1378	Packed sand	2263	
Sand	1382	Red clay	2327	
Hard gumbo	1390	Blue and brown shale	2347	
Hard sand	1440	Sand and boulders	2354	
Shale	1444	Blue shale	2374	
Hard gumbo	1485	Rock	2394	
Boulders	1495	Blue shale	2411	
Sand and boulders	1540	Hard blue shale	2436	
Hard gumbo; soft streaks	1565	Soft blue gumbo	2483	

	Depth in feet To		Depth in feet To
Rock	2493	Rock	2545
Soft sand rock	2517	Hard shale	2573
Soft gumbo	2527	Gumbo	2583
Sand and clear gravel	2536	Shale and boulders	2591

John Dunn 1, Pioneer Oil Company

Located about 5 miles west of Corpus Christi. Drilled by rotary. Casing: 13 $\frac{1}{4}$ " - 300'; 10" - 1300'; 8" - 2341'; 6" - 3181'. Seventeen feet of oil sand reported; depth not given. Drilled 1915.

	Driller's Log Depth in feet To		Depth in feet To
Surface soil	5	Shale, gravel, and gumbo	2624
Sand	300	Gas rock (42 feet)	2666
Rock	305	Gumbo and shale	2863
Sand	427	Sand rock (72 feet)	2935
Rock	431	Gumbo and shale	3075
Sand	480	Rock (22 feet)	3097
Rock	487	Gumbo	3178
Sand, shale, and gumbo	1300	Rock	3181
Rock	1303		
Sand, shale, and gumbo	2341	Set 6 inch at 3181 feet	
Rock	2349		
Salt water and sand	2354	17 feet of oil sand	

Reed & Perry 2

Located north of the railroad, 5 miles west of Corpus Christi.

Description of cores by E. H. Sellards and O.M. Richey; submitted by Edgar Perry, 1927.

	Depth in feet
Medium dark gray sandy, calcareous shale. Pyrite and angular to subangular grains of clear quartz in the washed material - - - - -	2298
Dark gray sand, calcareous shale. Pyrite and angular to subangular grains of clear quartz in the washed material - - - - -	2304
Medium gray sandy, calcareous shale. Pyrite and small angular grains of clear quartz in the washed material - - - - -	2305
Medium gray calcareous sandy shale. Angular to subangular grains of clear quartz in the washed material - - - - -	2308

Roberts 1, Mitchell, Gilliland, and Radcliff

Located 12 miles west of Corpus Christi.

Driller's Log			
	Depth in feet		Depth in feet
	To		To
Surface clay	70	Packed sand and boulders	1282
Sand and boulders	116	Gumbo	1316
Sand	158	Hard sand	1326
Clay	196	Dry sand and shale; CORE at 1341	1353
Sand and gravel	224	Gumbo	1365
Yellow clay	287	Broken sand and shale	1384
Sand	308	Gumbo	1465
Clay	326	Dry sand; CORE at 1483	1502
Sand	350	Gumbo	1546
Sand and gravel	374	Hard shale	1552
Gumbo	438	Gumbo	1615
Gravel	459	Salt water sand; CORE at 1620	1628
Gumbo	465	Gumbo	1631
Sand and gravel	474	Gyp and gumbo	1650
Sand	531	Sand	1653
Gumbo	556	Shale	1659
Sand	565	Gumbo	1670
Gumbo	575	Broken sand and shale; CORE at 1679-1684	1679-1684
Sand and gravel	593	Gumbo	1746
Gumbo	618	Sand and boulders; CORE at 1689	1757
Sand	632	Gumbo	1822
Gumbo	658	Hard sand; CORE at 1828	1830
Sand	675	Gumbo	1854
Gumbo	688	Sand and silt; CORE at 1861	1870
Shale	715	Gumbo	1905
Gumbo	728	Dark gray sand; CORE at 1910	1915
Sand and boulders	775	Gumbo	1973
Gumbo	780	Hard sand and boulders; CORE	
Rock	782	at 1978	1983
Sand	791	Gumbo	2044
Gumbo	808	Sand and silt; CORE at 2049	2058
Sand	841	Gumbo	2133
Gumbo	863	Gummy shale	2158
Soft sand	906	Gumbo	2200
Hard sand	912	Gummy shale	2250
Gumbo	930	Gumbo	2415
Sand and boulders	936	Broken formation of gumbo and	
Gumbo	967	shale	2463
Sand and boulders	987	8" casing set and cemented at 2462	
Gumbo	1009	Gumbo	2474
Sand and boulders	1032	Sand	2475
Gumbo	1047	Gumbo	2533
Sand and boulders	1069	Gumbo broken with streaks of	
Gumbo	1085	shale	2553
Sand and boulders	1100	Blue gumbo	2629
Gumbo	1108	Shale	2636
Sand and boulders	1177	Gumbo	2684
Shale and boulders	1190	Sand	2690
Hard shale	1209	Broken formation of hard sand	
Sandy shale	1214	and shale; CORE at 2690	2712
Red gumbo	1252		

Depth in feet		Depth in feet	
	To		To
Hard sand broken with streaks of soft sand; CORE at 2712	2730	Hard gyp and gumbo	3438
Gumbo	2760	Shale	3450
Hard sand; CORE at 2765	2765	Hard gyp and gumbo	3461
Hard sand broken with streaks of soft sand; CORE at 2779	2801	Soft gummy shale	3466
Hard sand; CORE at 2812	2825	Hard gyp and gumbo	3495
Hard sand broken with thin streaks of gumbo	2840	Gyp; CORE at 3502	3515
Hard sand rock and gray shale; CORE at 2844	2851	Gyp rock	3517
Gumbo	2895	Hard sand; CORE at 3529	3538
Blue sand; CORE at 2907 and 2917 (2d)	2929	Hard sand rock	3553
Gumbo	2934	Gumbo and shale	3581
Hard sand; CORE at 2935	2955	Gumbo	3587
Gumbo	2970	Hard shale	3597
Rock	2974	Gumbo	3611
Gumbo	2980	Gyp	3615
Hard sand	2982	Gumbo and hard shale	3625
Shale and boulders	2986	Gumbo	3632
Hard sand	2987	Hard shale	3636
Gumbo	2999	Gyp	3648
Hard dry sand; CORE at 3008	3014	Broken formation of hard shale, gumbo, gyp	3671
Broken formation of gumbo and boulders	3032	Lime rock	3672
Hard dry gray sand; CORE at 3039	3051	Hard shale	3677
Gumbo	3069	Rock	3679
Hard sandy shale	3086	Gumbo	3685
Gumbo and shale	3096	Gyp	3690
Hard sand shale	3107	Gumbo	3701
Gumbo	3109	Broken formation of gyp and gumbo	3725
Hard sand; CORE at 3111	3115	Gyp rock	3754
Gumbo	3118	Hard sand	3760
Hard sand	3123	Dark blue shale; CORE at 3760	3761
Gumbo	3130	Rock	3762
Hard sand; CORE at 3141	3149	Gumbo	3780
Gumbo	3160	Hard shale	3785
Hard sand	3162	Lime	3790
Gumbo and boulders	3177	Hard shale	3795
Hard sand; CORE at 3185	3186	Sand gyp and pyrites of iron	3812
Hard black shale	3193	Gyp and gumbo	3821
Sand; CORE at 3202	3211	Sandy gyp and pyrites of iron	3830
Gumbo	3240	Hard sandy shale	3839
Hard sand	3241	Gumbo	3851
Gumbo	3284	Broken formation of sandy gyp and hard shale	3860
Hard sandy shale; CORE at 3302	3337	Gumbo	3897
Gumbo	3345	Rock	3899
Hard gyp and gumbo	3351	Hard sand; CORE at 3912	3831
Hard shale	3356		(?=3931?)
Gumbo	3370		
Gumbo broken with hard shale	3390		
Gumbo	3401		
Hard shale	3406		
Sandy shale; CORE at 3411	3414		

Roberts 1 (continued)

Description of samples by J.A.Udden and P.T.Seashore; submitted by H.O.Radcliff.

	<u>Depth in feet</u>
Light gray very finely textured marl. The washed material consists mostly of fine quartz sand and silt. A few fragments of white concretionary limestone and a few concretions of minutely crystalline pyrite noted. The sand grains are mostly angular and range from 1/4 to less than 1/8 mm in diameter.....	1341
Quartz sand and finely ground up white concretionary limestone. Many of the quartz grains are well worn, but some show crystal faces. These grains range from 1 to less than 1/8 mm in diameter. A fragment of a cast of gastropod noted. Many of the sand grains have a chalcedonic luster....	1620
Soft pinkish and bluish-white marl of fine texture. <u>Textularia</u> and <u>Globigerina</u> noted, probably of secondary origin. Many of the sand grains have a chalcedonic luster....	1679
Light gray sandy calcareous clay. The sand in the washed material ranges in size from 1 to less than 1/8 mm in diameter. Most of the sand is from 1/4 to 1/8 mm in diameter. Some vari-colored chert present....	1860
Quartz sand with a little gray finely ground-up limestone. Considerable vari-colored chert present. The sand grains range from 1 to less than 1/8 mm in diameter - - - - -	1910
Sample consists of a core of light gray, fine sandstone which is highly calcareous. In this sandstone there are layers of a brownish clay about 1/12 of an inch in thickness. The washed material from the sandstone contains much biotite and muscovite. Considerable calcite noted. The sand ranges in size from 1/2 through 1/8 mm in diameter. About 70 percent of the sample ranges from 1/4 to 1/8 mm in diameter and about 28 percent less than 1/8 mm in diameter. The washed material from the clay consists mostly of a brownish sand. The grains range from 1/2 through 1/8 mm. in diameter. More than 90 percent of the material is less than 1/8 mm in diameter. Pyrite and calcite present - - - - -	2049
Pinkish gypsum containing cavities filled with calcite and a slightly greenish-gray sandy highly calcareous clay blotched with pink.. -	2482
CORE of light greenish-gray calcareous sandstone - - - - -	2690
Quartz sand and vari-colored chert grains together with a silty calcareous material....	2712
Gray sandstone cemented together with a gray calcareous material... -	2765
Quartz sand containing considerable finely ground-up gray limestone and a few fragments of gray shale. In the washed material were noted <u>Globigerina</u> , <u>Orbulina</u> , and <u>Textularia</u> . Evidently of secondary origin - - - - -	2779
Fine-grained calcareous sandstone....	2812

	Depth in feet
Light greenish-gray finely textured calcareous clay or marl.... - - -	2874
Sand and a finely ground-up calcareous material - - - - -	2907
Quartz sand with some finely ground-up gray limestone.... - - - -	2917
Quartz sand together with a gray calcareous silty material.... - - -	2935
CORE of laminated gray calcareous sandstone. Together with the clear quartz grains are found a number of black, dark gray, and greenish chert grains. Considerable calcite noted - - - - -	3008
Light greenish-gray calcareous sandstone containing some fine silt.... - - - - -	3111
Light greenish-gray finely textured calcareous clay or marl and two pieces of gray calcareous fine-grained sandstone. The sandstone has some of the clay adhering to one side.... - - - - -	3123
CORE of gray calcareous sandstone. Considerable black and dark gray chert noted. Some calcite and mica present. Many of the quartz sand grains have crystal faces and some of them are angular. A few entire crystals noted..... - - - - -	3136
Quartz sand and a finely ground-up calcareous material.... - - - -	3141
Bluish-gray compact slightly calcareous shale or clay with considerable quartz sand.... - - - - -	3185
Sand composed of clear quartz and black and gray chert. A few <u>Globigerina</u> and a minute fish tooth noted - - - - -	3202
CORE of very light gray calcareous sandstone - - - - -	3302
Greenish-gray calcareous sandstone containing some fine silt.... - - -	3411
Gray calcareous sandstone. The sand making up this sandstone is composed of clear quartz and brown and gray chert.... - - - - -	3502
CORE of greenish-gray very fine-grained soft sandstone having a calcareous matrix. The sand making up this sandstone is composed of clear and slightly milky quartz with a few grains of brownish and gray chert.... - - - - -	3529
Greenish-gray calcareous soft sandstone. The sand grains range from 1 to less than 1/8 mm in diameter- - - - -	3912
Greenish-gray calcareous sand or soft sandstone. The gray sand contains soft white calcareous concretions. Several double pyramidal quartz crystals were noted. The sand ranges in size from 1/2 to 1/2 mm [as original] in diameter. In the grains ranging from 1/2 to 1/4 mm in diameter about 50 percent consists of clear quartz. About 20 percent consists of white translucent quartz and about 30 percent of dark and black chert. In the finer grades the clear grains are more abundant. In these clear grains crystalline surfaces are sometimes seen as flat sides on the slightly rounded grains. In the matras/?/ the sand gives off fumes of bitumen and turns a dark color. A chloroform test gives a small amount of oil - -	3912