

UNIVERSITY OF TEXAS
Bureau of Economic Geology
Austin 12, Texas

Mimeograph Circular No. 9
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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 SAN PATRICIO COUNTY

Buell Ingleside 1

Drillers Log

	Depth in feet		Thickness
	From	To	
Sand	0	6	8
Clay	8	28	20
Sand	28	40	22
Clay and sand	40	65	25
Sand	65	80	15
Gumbo	80	110	30
Shale	110	150	40
Gumbo	150	160	10
Shale	160	200	40
Gumbo	200	220	20
Shale	220	230	10
Broken rock	230	250	20
Gumbo	250	280	30
Sand	280	301	21
Gumbo	301	322	21
Sand (artesian flow water)	322	362	40
Gumbo	362	406	44
Shale	406	436	30
Gumbo	436	441	5
Shale	441	451	10
Gravel and clay	451	475	24
Gumbo	475	507	32
Soft white rock	507	509	2
Gumbo	509	534	25
Soft white rock	534	536	1
Gumbo	536	564	29
Shale	564	589	25
Gumbo	589	619	20
Shale	619	649	30
Sand (light show oil & gas)	649	691	42
Gumbo	691	733	42
Shale	733	765	32

	Depth in feet		Thick- ness		Depth in feet		Thick- ness
	From	To			From	To	
Rock.	.765	767	2	Gumbo	1975	1990	15
Gumbo	767	889	122	Hard shale	1990	2000	10
Shale	.889	919	30	Soft shale	2000	2020	20
Gumbo	919	936	17	Tough gumbo	2020	2058	38
Shale	936	966	30	Soft shale	2058	2090	32
Tough gumbo	966	980	14	Red Shale	2090	2120	30
Shale	980	1000	20	Boulders & gravel	2120	2133	13
Gumbo	1000	1085	85	Rock(oil show)	2133	2153	20
Shale	1085	1100	15	Gumbo	2153	2162	9
Gumbo	1100	1163	63	Red shale	2162	2260	98
Shale (oil & gas show).	1163	1200	37	Blue shale	2260	2280	20
Gumbo & red shale, mixed	1200	1252	52	Tough gumbo	2280	2300	20
Soft shale	1252	1267	15	Hard shale (oil & gas	2300	2310	10
Gumbo	1267	1272	5	pocket			
Shale	1272	1282	10	Red shale	2310	2330	20
Soft shale	1282	1312	30	Blue shale	2330	2345	15
Tough gumbo	1312	1358	46	Hard shale	2345	2360	15
Rock	1358	1360	2	Rock	2360	2362	2
Tough gumbo	1360	1410	50	Shale	2362	2368	6
Gumbo	1410	1460	50	Hard rock	2368	2395	27
Shale	1460	1472	12	Red shale	2395	2440	45
Gumbo	1472	1518	46	Gumbo and shale	2440	2460	20
Shale	1518	1528	10	Very hard shale	2460	2465	5
Gumbo	1528	1534	6	Rock (gas show)	2465	2485	20
Shale	1534	1538	4	Black basalt-iron			
Gumbo	1538	1550	12	pyrites	2485	2490	5
Gumbo	1550	1570	20	Gumbo and shale	2500	2510	20
Shale	1570	1578	8	Shale (oil show)	2510	2560	50
Gumbo	1578	1620	42	Hard sand rock	2560	2563	3
Shale	1620	1626	6	Shale and gumbo	2563	2690	127
Gumbo	1626	1628	2	Hard shale	2590	2730	40
Soft Shale	1628	1655	27	Hard shale (oil	2730	2750	20
Gumbo	1655	1690	35	show)			
Very hard shale	1690	1693	3	Hard shale	2750	2960	210
Shale	1693	1716	23	Rock	2960	2965	5
Tough shale	1716	1728	12				
Shale	1728	1734	6				
Gumbo	1734	1740	6				
Hard shale	1740	1750	10				
Gumbo	1750	1760	10				
Shale	1760	1780	20				
Tough gumbo	1780	1790	10				
Shale with gas	1790	1820	30				
Heavy gumbo	1820	1825	5				
Gumbo	1825	1850	25				
Hard shale with gas	1850	1865	15				
Gumbo	1865	1865	?				
Sand & soft shale	1865	1900	35				
Gumbo	1900	1920	20				
Soft shale	1920	1935	15				
Tough gumbo	1935	1944	9				
Gumbo	1944	1963	19				
Hard rock	1963	1968	5				
Sand	1968	1975	7				

Column 1, Plateau Oil Company and Texas Pacific Coal and Oil Company
Located in Nueces Valley

Description of samples by J. A. Udden and O. M. Richey; submitted by R. E. Cotulla, 1925.

Core of light greenish gray, calcareous sandy shale. Some shell fragments. Calcareous concretions containing some sand and measuring from one-eighth to one-half millimeter in diameter were noted in the washed material. Quartz sand was present, many of the grains being angular.....2375-2389'

Core of fine grained light greenish gray, calcareous, sandstone. Ferruginous streaks noted. Quartz sand was noted in the washed material. A very little pyrite present.....2380-2384'

Formation not determined.

Fresman 1, Plateau Oil Company and Texas Pacific Coal and Oil Company
Located in the Nueces Valley about 300 feet from the river, 1924.

Drillers Log

Formation	Depth in Feet		Depth in Feet
Soil.	10	Gumbo	1085
Sand.	122	Sand	1100
Soapstone	162	Gumbo	1110
Hard sand	220	Coarse water sand	1180
Soapstone	308	Gumbo.	1185
Rock	309	Hard sand	1210
Water sand shell rock	380	Rock	1211
Water sand.	390	Hard sand	1217
Gumbo	405	Gumbo	1223
Soapstone	410	Sand rock	1229
Rock	412	Lime rock	1239
Sand rock	427	Gumbo	1245
Water sand.	442	Sand, shell and rock	1317
Gumbo	570	Sand rock	1375
Brown sandy shale	587	Gumbo	1382
Rock	588	Sand rock	1390
Sand rock	605	Rock	1398
Hard rock (soft streaks)	615	Sand and rock	1410
(set 10" casing and		Green gumbo	1465
cemented at 615')	615	Rock	1468
Hard sand and shells	660	Sand and rock	1490
Gumbo	680	Sand rock	1493
Blue sand	720	Hard sand	1510
Hard pack sand	765	Rock	1512
Gumbo	785	Sand and rock	1530
Brown shale.	800	Hard sand	1550
Gumbo	835	Sandy shale	1575
Brown sandy shale	845	Sand and rock	1588
Gumbo	860	Hard limey shale	1590
Hard blue sandy shale & rocks	930	Sand with hard shale partings	1628
Gumbo	1025	Gray sand, (core taken at 1634')	1634
Sand rock	1053	Sand	1640

Depth in Feet		Depth in Feet	
Sand and shale	1663	Gumbo	2336
Shale (hard streaks).	1686	Hard blue shale and boulders ..	2383
Shale (hard streaks).	1698	Hard shale	2385
Shale with hard sandy streaks .	1721	Hard, limey shale	2388
Green shale.	1753	Soft shale	2390
Green gumbo	1764	Gas at	2392
Gray shale	1840		
Gray gumbo	1916		
Green shale	1955		
Gumbo	1965		
Hard gray shale	1977		
Green shale	1984		
Brown shale	2084		
Soft gray shale	2128		
Gumbo	2245		
Hard blue, gray shale	2263		
(core taken at 2263')			
Hard blue, gray shale	2317		

NOTE: Well blew out on June 7th, making estimated flow of 40 to 50 M. cu. ft. On this date, June 30, 1924, endeavoring to regain this well.

CASING RECORD

10" -- 615' (cemented)
8" -- 2025' (not cemented)

Description of samples by E. H. Sellards and E. W. Berry; submitted by R. E. Cotulla.

Depth in Feet

Core of greenish gray, calcareous, shaly sand. The washed material contains numerous quartz pebbles, ranging from 1 cm. to 1 mm. in size and of varied colors. The finer material is angular quartz sand, showing rounded salient angles. There is some pyrite, a little gypsum and some crystals of magnetite. No fossils seen. 1634

Cuttings of soft green, calcareous shale containing quartz sand and calcareous lumps. No fossils and a straw white limestone, containing small irregular areas of soft green clay and some plates of selenite and a few pyrite crystals. In thin section the shale washes out leaving a porous limestone with some gypsum 2263

Formation undetermined.

Several pieces of light gray, fine grained sandstone. All of the sandstone has a calcareous cement, although some of the rock is much more indurated than the remainder. Some light gray limestone, probably of a concretionary nature and containing pockets of fine sandstone is present. A moderate sized Ostrea, probably O. georgiana was noted. Several other indeterminable pelecypods are present. One Leda (?) noted. In the washed material most of the sand grains were seen to be quartz grains. Dark colored chert grains, pyrite and a few mica flakes were also present. An ostreod was noted. 2388-2390

McC Campbell 1, Live Oak Ridge Oil Co.Located $2\frac{1}{2}$ miles west of Aransas PassDescription of samples by J. A. Udden and E. B. Stiles; submitted by
Jno. Sigmund, 1921.

Depth in Feet		Depth in Feet	
Surface	20	Lime rock with pyrite.	1009
Sand	58	Salt and paper sand, gas show, set strainer and got small salt water flow	1019
Gravel	65	Soft rock	1020
Sand	110	Pink shale	1038
Yellow clay	134	Soft rock with pyrite iron . .	1040
Sand and gravel	145	Tough pink gumbo, set 6" casing	1066
Sand gravel & boulders	188	Tough pink gumbo	1072
Blue & yellow gumbo	218	Hard rock	1075
Coarse white sand	249	Soft shale	1083
Blue gumbo	253	Soft rock	1085
Gray sand	288	Hard shale	1101
Gumbo	308	Hard brittle shale.	1109
White sand	375	Soft rock	1113
Dark shale	395	Hard packed sand and shale . .	1133
Gumbo	435	Soft rock	1134
Pink gumbo	449	Fine blue sand.	1139
Sand with lignite	455	Hard rock and pyrites iron . .	1141
Blue gumbo	467	Coarse brown sand.	1149
Soft fine sand	497	Soft rock	1150
Gumbo	539	Gumbo	1154
Blue shale.	554	Soft rock	1155
Tough pink gumbo, set 10" casing	576	Pink hard shale.	1198
Blue shale.	581	Tough blue gumbo	1208
Gumbo	587	Pink and blue shale	1222
Shale	601	Very hard fine rock pyrites . .	1226
Dark shale	621	Soft yellow shale	1230
Loose sand	631	Pink hard rock pyrites.	1232
Gumbo	641	Pink shale	1237
Fine sand.	662	Soft white rock	1242
Blue shale	683	Pink shale	1243
Tough pink shale	702	Soft rock.	1254
Blue and red shale	718	Tough pink gumbo	1262
Soft rock	719	Blue shale, gas showing	1294
Hard shale	759	Blue gumbo.	1304
Soft rock, Nov. 6, 1916	761	Hard blue shale	1334
Tough pink gumbo	785	Tough blue gumbo.	1346
Red and blue shale	805	Soft rock	1380
Tough chocolate gumbo	815	Soft blue shale	1381
Hard brown shale	836	Blue gumbo and boulders	1389
Coarse gray sand	846	Soft blue shale.	1420
Tough pink gumbo	867	Blue gumbo	1447
Fine blue sand	897	Hard blue shale, gas showing . .	1473
Blue gumbo	912	Tough chocolate gumbo	1500
Soft lime rock and pyrite . . .	913	Hard brittle brown & blue shale	1521
Red shale	923	with hard layers of white rock & pyrites about every 4 ft. & lots of mud	
Tough pink gumbo	970		
Fine sand.	985		
Hard shale	1005		

Depth in Feet	Depth in Feet
A showing of gas 1553	Tough blue gumbo, set
Tough brown gumbo 1567	8" & 6" casing 2463
Packed sand and boulders 1590	Soft lime rock 2465
Blue gumbo and boulders 1611	Blue shale, tested out salt
Brown and blue shale 1618	water. 2470
Blue gumbo 1632	Blue shale. 2500
Hard packed sand 1708	Brown shale. 2533
Tough blue gumbo 1820	Rock and pyrtes 2535
Paked sand with layers 1727	Hard blue shale 2545
of pyrtes	Tough blue gumbo 2551
Packed sand and boulders with...1748	Soft blue shale 2591
good gas showing	Tough pink gumbo 2638
Tough blue gumbo 1758	Hard light brown shale,
Hard light blue shale 1775	showed some gas & oil 2690
Gyp. with hard & soft layers. . 1806	Light blue marl 2700
Crystallized lime and pyrtes. . . 1811	Very hard packed sand. 2723
Gray colored shale. 1835	Hard light brown shale,
Hard lime rock. 1836	showed some gas & oil
Soft lime and sand 1933	light blue marl
Hard lime with very hard. . . . 1943	very hard packed sand
layers	Hard lime rock, had to run
Very tough pink gumbo 1990	roller bit 2733
Very hard pink shals, 2045	Blue and chocolate colored
very hard layers	gumbo, very peculiar color...2775
Tough pink gumbo 2055	Dark brown shale, very hard... 2785
Crystallized gypsum 2085	Tough chalk or lime. 2789
Pink shale 2130	Hard lime with pyrite. 2792
Hard blue shale 2167	Hard brown shale 2849
Soft chalk 2169	Blue gumbo 2861
Light pink gumbo 2202	Soft lime rock with pyrite . . 2869
Soft yellow shale 2222	Dark brown shale 2900
Blue gumbo 2232	Hard crystal lime rock 2906
Soft blue & yellow shale 2284	Hard yellow shale with gas
Crystallized gypsum 2296	showing 2954
Soft yellow & light blue shale..2332	Soft yellow gumbo 2964
Hard blue packed sand. 2362	Hard green and chocolate shale,
Soft lime rock 2375	very peculiar color 2970
Blue shale. 2395	On hard rock (Apr. 17, 1917)...2975
Soft lime rock 2400	
Hard blue shale 2420	
Hard lime rock with pyrite . . .2421	

This is the correct measurement of hole which was remeasured today when wind was not blowing. The formation changed four times in the last twenty feet, all of a very bright colored formation. The rock is very hard and rough. Have worn out one set of cones for roller bit and have another ordered. The formation looks encouraging as it is getting harder, and of a brighter color.

Hard lime rock with pyrtes. . .2978	Hard brown shale 3116
Hard packed and some gas show- ing 3000	Very hard brown shale, blue & yellow 3143
Blue marl 3014	Hard blue shale with sand & black formation like coal
Hard dark brown & yellow shale 3056	dust, run roller bit 3175
Soft rock. 3058	Blue gumbo 3185
Soft light brown shale. . . . 3090	

Depth in Feet	Depth in Feet
Dark brown shale 3193	Blue marl with powdered
Very soft pink & orange gumbo. . 3196	pyrites 3512
Hard shale with thin layer of	Light brown and blue shale . . 3532
sand 3218	Soft lime rock 3536
Lime rock 3222	Soft lime rock chalky 3568
Packed sand or cemented sand	formation
or gravel 3246	Apr., 23, 1917, hard
Blue gumbo. 3268	blue shale. 3572
Hard brown and blue shale . . . 3300	Hard brown shale 3584
Soft yellow gumbo. 3318	Soft chalk 3586
Soft mealy lime or shale 3326	Hard blue shale 3598
Soft lime rock 3330	Hard brown shale 3612
Hard packed sand, cut bit	Soft chalk. 3618
like emery stone 3364	Soft blue shale. 3636
Lime rock with pyrites 3370	Hard lime with pyrites. . . . 3640
Hard blue white & blue shale	Hard blue & brown shale . . . 3660
mixed 3402	Hard blue shale. 3668
Brown and blue shale. 3442	Soft limey shale 3684
Yellow gumbo 3452	Hard lime rock 3708
Soft rock 3456	Hard blue shale with soft
Soft limey shale like meal . . . 3462	layer lime. 3732
Light brown shale. 3500	Hard lime and pyrites. 3740
	Hard blue shale. 3750
	White chalk, very soft 3762
	Soft blue shale. 3784

Riccon 1

Located near Corpus Christi

Drillers Log

Depth in Feet	Depth in Feet
Shell 8	Tough gumbo 1052
Sand 202	Hard blue shale 1058
Soft gumbo 248	Hard gumbo 1070
Rock 249	Shale 1100
Blue gumbo 269	Gumbo 1114
Rock 270	Hard sand 1124
Blue gumbo 521	Gumbo and boulders 1134
Hard rock 528	Gumbo 1170
Blue gumbo. 566	Rock 1171
Shale 582	Shale 1184
Blue gumbo 680	Sand 1195
Shale 695	Hard gumbo 1225
Gumbo 740	Brown shale 1270
Shale and boulders 760	Hard gumbo 1281
Blue gumbo 789	Hard sand 1295
Sand 805	Tough gumbo 1300
Gumbo 838	Hard sand 1317
Shale 880	Shale. 1325
Gumbo. 960	Sand and shale 1334
Blue gumbo 997	Hard gumbo. 1370
Hard sand 1001	

Depth in Feet		Depth in Feet	
Hard gumbo	1373	Blue gumbo	1996
Sand	1382	Tough gumbo	2032
Hard gumbo	1390	Shale and boulders	2040
Hard sand	1440	Soft gumbo	2050
Shale	1444	Soft rock	2055
Hard gumbo	1485	Gumbo	2063
Boulders	1495	Shale and boulders	2103
Sand and boulders	1540	Hard red shale	2132
Hard gumbo & soft streaks	1565	Rock	2134
Hard gumbo	1585	Hard gumbo	2147
Sand and boulders	1595	Soft rock	2149
Packed sand	1631	Gumbo and boulders	2154
Gumbo	1640	Blue gumbo	2180
Soft rock	1643	Hard shale and sand	2190
Gumbo and boulders	1653	Hard shale	2194
Rocks with hard streaks, losing some mud	1658	Blue gumbo	2214
Rock	1670	Blue shale	2223
Boulders	1683	Hard gumbo	2230
Boulders	1694	Hard shale	2237
Blue gumbo	1724	Packed sand	2263
Rock	1826	Red clay	2283
Gumbo and boulders	1750	Red clay	2326
Boulders	1771	Blue and brown shale	2347
Blue gumbo	1804	Sand and boulders	2354
Gumbo	1817	Blue shale	2373
Rock	1818	Blue shale	2374
Hard blue shale	1830	Rock	2380
Hard blue shale	1834	Rock	2394
Gumbo with boulders	1838	Blue shale	2411
Shale	1862	Hard blue shale	2436
Blue shale	1879	Soft blue gumbo	2483
Gumbo and boulders	1916	Rock	2493
Blue shale	1938	Soft sand rock	2517
Soft rock	1940	Soft gumbo	2527
Soft rock	1955	Sand and clear gravel	2535
Blue shale	1967	Soft rock	2540
Hard brown shale	1980	Rock	2546
Soft gray rock	1992	Hard shale	2573
		Gumbo	2582
		Shale and boulders	

Sinton 1, Pat Waelder

Drillers Log

Clay sand	23	Gray clay	271
Sand clay, soft rock	123	Sand	312
Rock	130	Blue gumbo	344
Blue clay, boulders	140	Hard gumbo	456
Tough blue gumbo	152	Gravel	468
Hard sand, showing gas	154	Rock	471
Rock	165	Sand	539
Sand	186	Rock	541
Tough gumbo	214	Sand	571

	Depth in Feet		Depth in Feet
Blue gumbo	577	Hard blue gumbo	1781
Sand	583	Sand rock	1788
Gumbo	636	Rock and sand boulders	1797
Sand	669	Sand rock	1799
Blue gumbo	693	Gyp gumbo	1827
Gyp rock	706	Blue tough gumbo	1898
Red shale	714	Hard sand	1916
Sand, gas, June 30.	752	Blue gumbo	1934
Sand	842	Blue shale with lime rock	1973
Blue gumbo	852	Hard sand with soft breaks	1986
Sand, artesian water	880	Missing, August 1st	----
Blue gumbo	923	Sandy shale with boulders, gas	2075
Sand	941	Blue shale with boulders	2089
Blue gumbo	950	Missing, August 4th	----
Hard sand, gas	970	Blue gumbo	2105
Red gumbo	977	Gyp rock	2109
Blue shale	1011	Hard sand	2137
Blue gumbo	1015	Sand shale	2145
Blue shale, gas	1062	Hard sand, iron pyrites	2158
Broken formation, sand lime		Rock, sand, pyrites, strong gas	2188
rock, blue shale	1114	Sand rock, iron pyrites	2191
Rock	1115	Solid pyrites	2192
Blue gumbo	1158	Gumbo	2256
Rock	1160	Blue mud, shale	2325
Blue shale	1180	Missing	----
Rock	1181	Blue gumbo	2406
Blue shale	1185	Gyp gumbo	2416
Rock	1192	Blue shale	2425
Gumbo	1204	Gumbo	2427
Sand	1212	Blue shale mixed with brown	2460
Blue gumbo	1230	Blue shale mixed with brown	2484
Rock	1233	Sandy shel, blue and brown	2512
Hard blue gumbo	1269	Gumbo	2535
Hard rock	1270	Blue and brown shale, pyrites	2575
Blue gumbo with sand, shale, gas	1316	Shale	2590
Hard blue gumbo	1355	Gyp and shale, brown and blue	2606
Hard blue & chocolate gumbo	1372	Mixed brown and blue shale	2631
Gumbo	1395	Mixed brown and blue shale	2688
Hard sand	1399	Gyp gumbo	2710
Blue gumbo	1407	Hard and soft sand	2744
Sand, blue shale, pyrites	1423	Sandy shale	2770
Blue shale	1435	Sandy shale	2850
Blue shale with hard streaks		Hard sand	2855
of sand	1493	Missing	----
Iron pyrites, some gas, sand-		Hard gumbo with boulders	3020
stone and shale	1537	Blue gumbo	3024
Blue sticky shale	1574	Blue and brown shale	3041
Blue sticky shale	1584	Blue and brown shale	3053
Blue shale	1697	Hard sand	3063
Rock	1701	Hard sand, iron pyrites	3082
Sand rock	1705	Hard sand, iron pyrites	3093
Blue shale	1708	Blue mud, shale	3109
Hard blue gumbo	1711	Blue shale with boulders	3126
Blue shale	1744	Blue shale	3147

	Depth in Feet		Depth in Feet
Very hard blue shale	3168	Blue shale, boulders, gas.	3380
Hard sand	3171	Gyp rock	3381
Red gumbo	3176	Blue mud, shale	3431
Mixed shale	3242	Hard blue sand	3440
Very hard shale	3250	Rock	3443
Mixed shale	3274	Shale	3458
Flint rock, very hard white	3276	Hard mixed shale	3476
Rock	3280	Hard sandy shale	3480
Blue shale	3282	Hard rock	3486
Blue sandy shale	3300	Rock and blue gumbo	3495
Hard sandy blue shale	3316	Rock and hard shale	3510
Blue mud shale	3326	Pyrites and rock	3512
Hard blue sandy, lots of gas	3338	Hard and soft rock, strong gas	3516
Hard blue shale	3343	Soft rock	3522
Hard blue sand	3350	Sand	3530
Blue sand (hole looks better		Hard sand and gypsum	3535
than since 2900--lots of gas	3358	Gypsum and shale	3540
Blue shale, boulders, gas	3366	Packed sand.	3558
		Mixed shale	3566

Southern Gas Company, 1

Located 4 or 5 miles west of Portland.

Drillers Log

	Depth in feet		Depth in feet
Soil	20	Soft blue shale	306.5
Yellow clay with some sand	76	Blue gumbo, tough	315
Yellow sand	86	Soft blue shale	321
Yellow clay and sand	92	Gumbo	328
Rock, hard	93	Blue gumbo.	353
Soft blue sand	98	Soft blue shale	369.5
Soft rock	99	Soft gray sand	405
Hard coarse gray sand with		Hard packed sand and fine gravel	417
black patches	102.6	Blue gumbo	422
Hard coarse gray sand with		Blue shale, soft	443
black patches	122.5	Hard packed sand with little	
Hard coarse gray sand with		pyrite iron	447
black patches	178	Blue shale and sand, Med.	464
Blue gumbo and lime rock	183.5	Blue gumbo	473.1
Medium blue shale	203.7	Blue gumbo (sent in)	487
Soft blue shale	224.5	Blue gumbo sand & soft shale	511
Soft blue shale	232.5	Rough rock	511.3
Rock lime	236	Blue sand and Med. shale	531
Soft gray sand	247	Blue sand and pyrite iron	534.5
Soft rock lime	248	Light gray sand, extra fine,	
Soft gray sand	266	soft	556
Soft sand, blue shale, and		Blue gumbo, tough	562
lime rock	278	Rock	562.5
Soft blue shale, sand, and		Hard blue sand, gumbo, and pyrite	
lime rock	283	iron	568
Shale and lime rock, Med.	293	Hard sand and blue boulders	
		(showing of gas 3')	575.7

Depth in Feet		Depth in Feet	
Blue shale boulders & pyrite iron	580	Do.	830
Hard blue shale.	592	Pink shale (little blue)	836.5
Hard blue & brown shale		Do., Med.	865.7
& pyrites iron (sample		Soft blue and pink shale	
No. 33 contains pyrite taken		fine (little sand)	885.8
from 30 and 32 cutting).	597	Do., Med.	896
Hard blue gumbo	601	Hard brown gumbo.	907.7
Hard blue gumbo	605	Do.	915
Soft brown and blue shale	617	Fine blue and brown shale,	
Soft gray sand with some		Med.	921
brown and blue shale from		Fine brown light shale and	
above	620.3	sand. (little blue soft shale)	940
Soft brown and blue shale from		Hard blue and brown shale (fine)	958
sand above	631	Hard blue and brown shale and	
Sand shale & boulders, Med.	636	sand, traces pyrite	.966
Fine, soft blue and brown		Hard brown shale with some blue	
shale	641.1	fine shale	978.5
Fine brown shale with		Hard brown & coarse blue shale	1019
little blue shale	648	Sand, shale, and pyrites, soft	
Hard brown and blue shale	654	(hard streaks).	1039
Hard blue shale, traces brown		Soft gray sand	1070
shale and pyrites (iron		Sand, shale, boulders, and	
thru joint. Pyrites and		pyrites, hard	1093
boulders picked out of		Hard blue shale and gumbo	1101
cuttings above labeled.)	6617	Soft blue shale and sand	1120
Hard blue shale (traces pyrites		Soft gray sand (salt water).	1141
and brown shale)	672	Sand, and blue and brown shale.	1150
Hard blue and brown shale		Very hard blue and brown shale	
and boulders.	678.3	and lime rock (reduced).	1160
Med. hard shale (little		Blue and brown shale and hard sand	1181
sand and traces pyrites)	687	Soft brown & blue shale (some sand)	1192
Blue shale, sand, and		Hard red shale, trace lime rock	1247
pyrites, hard	692	Soft gray sand	1322
Very fine gray sand, soft	692.5	Soft rock	1323
Very fine gray sand, soft	719.8	Hard red shale	1369
Very fine gray sand, hard		Rough rock	1369.7
(720 of 10" set).	728	Very soft sand brown cast	1399
Soft rock	729	Rough rock	1399.4
Sand shale, & pyrites, hard	735	Fine soft sand	1407
Blue shale, boulders, and		Fine soft brown shale sand	1427
pyrites (and 35)	746	Hard brown shale with white chalky	
Soft fine blue and red shale		particles	1440
(little sand from above)	732	Rough rock	1440.7
Soft red shale (and 37).	760.3	Hard brown shale and pyrites	1445
Do.	765	Rough rock	1455.4
Soft fine gray sand (and 38).	780.6	Hard brown shale & trace pyrites	
Do.	790	(same as 32)	1482
Rough rock	791	Soft brown shale with some sand	1503.3
Pink and blue shale (little sand)	801.5	Hard rough rock	1505.1
Pink and blue sand (little soft		Soft brown cast sand	1512.8
sand).	807.7	Soft gray (set 6" made gas test)	1524
Pink and blue shale and soft		Gray sand boulders and hard pyrites	1548
sand	818	Hard red shale (with little sand)	1586
Hard pink gumbo (and 40) change		Rock sand	1587.5
6"	821.8	Soft formation	1588.5

	Depth in Feet		Depth in Feet
Rock or boulders (reduced hole to 5-7/8).	1589.6	Soft brown shale	2041
Hard red shale, boulders & pyrites.	1599	Med. brown shale, 3 samples. . .	2087.5
Coarse red and soft blue shale	1611	Med. brown shale, Med. coarse blue & brown shale.	2164
Hard blue shale, two samples taken from bed same sand. .	1619	Soft blue shales	2197.5
Hard light brown (or yellow) and blue shale and pyrites..	1626	Soft med. shale (4 samples). .	2428.5
Hard yellow-or light brown shale..	1643	Soft med. shale, some sand . .	2458.5
Light brown & blue shale (7 7/8 hole)	1677	Blue shale hard & soft streaks..	2479.1
Rock, soft	1678	Blue shale chalky streaks. . .	2498.6
Light brown and blue shale (1 samples 1-2-3-4). . . .	1756	Hard and soft blue shale	2519.1
Soft blue and brown shale and sand	1760	Hard and soft blue shale. . . .	2559.9
Soft rock.	1761.5	Blue shale	2612.1
Hard brown shale	1786	Blue shale	2653.5
Med. brown and blue shale. . .	1835	Blue shale, boulders following..	2674.8
Soft rock	1836	Blue shale, boulders following..	2696.1
Light brown and blue shale and boulders (some sand and pyrites).	1861.5	Blue shale (pyrites), boulder following	2698.1
Hard brown and blue shale (some sand).	1800	Hard blue shale & pyrites. . .	2704
Hard rock pyrites (brown and gray color).	1881.4	Very soft blue shale	2709.8
Blue and brown shale boulders, some sand.	1888	Hard rough rock (reduced to 5 7/8).	2711.4
Soft blue & brown shale . . .	1896	Hard Hard rough rock made with 5 7/8 bit.	2711.8
Rock or boulder (med. to 5 7/8) 1896.7		Blue gumbo & boulders	2725
Hard blue & brown shale boulders & sand	1905.2	Hard blue shale with soft streaks	2780
Hard blue & brown shale boulders & sand	1910	Rocks with soft streaks	2792
Hard blue & brown shale (some pyrites and sand). .	1925	Blue shale & pyrites	2810
Hard blue & brown shale & boulders	1947	Hard sand and pyrites	2826
Hard blue & brown shale & boulders 1951.5		Blue shale with soft streaks & gas showing	2850
Hard rough rock.	1953.4	Blue gumbo with streaks of sand	2870
Hard mixed rock with soft places of 6" to 2" light brown and gray	1959.5	Hard sand and pyrites gas showing	2897
Hard blue and brown shale & boulders with little sand...1983.5		Gumbo	2925
Hard shale & gumbo (balls up badly).	1992.5	Hard sand rock	2934
Hard mixed rock (with 10" break) 8" casing set 4/21/18 at 1993.2" stopped 2 off bottom.	1995	Hard shale & boulders	3045
Hard rock	1995.7	Rock	3047.5
Soft brown water sand	2012	Rock with breaks of shale . . .	3050
		Hard rock	3053
		Blue & brown shale.	3082
		Rough rock	3085.5
		Rock with soft places	3095
		Hard rock	3098
		Soft places in rock	3110
		Hard rock (set casing 3118 made test)	3114
		Hard rock good show, gas (6" set 3118).	3119
		Sand break in rock (Gas & salt water)	3121
		Rock	3124.7
		Soft greenish shale rock	3129.2
		Rock	3132.4

	Depth in Feet		Depth in Feet
Soft gray water sand	3150	Blue shale and boulders	3438.6
Pine shale	3152	Hard rough rock & pyrites	3448
Lime rock cutting, mixed in		Hard blue & red shale	3452
shale	3156	Hard sand rock.	3460.2
Med. blue shale	3206.4	Hard blue & brown shale	3464
Hard rock	3214	Hard gray sand rock	3467
Hard rock	3220	Hard red shale	3523
Break in rock	3230	Hard sand rock	3530
Hard rock	3235	Coarse white sand.	3536.8
Lime rock	3240	Blue shale & pyrites	3543.5
Hard rock	3251.8	Hard rough rock & pyrites	3557
Sand	3260	Blue shale.	3565.3
Hard rock	3262	Hard sand rock.	3567
Hard blue shale	3273	Hard sand rock 5' break to 3572	3579
Rough rock	3275	Hard gray sand rock (4" set at	
Soft blue shale	3300	3581) test made a fine showing	
Rough hard rock	3304	gas water & gas sand best strata	3588
Blue shale	3308	Soft sand	3592
Mixed hard rock	3315	Blue shale and sandy	3613
Hard red shale	3323	Tint blue & brown shale traces	
Hard rock.	3328	pyrites	3626
Soft red shale	3340	Tint blue & brown shale,	
Hard mixed rock	3345	traces pyrites	3588
Break in rock	3347		
Hard sand rock	3368.9		
Soft chalky rock--white	3378.9		
Red shale	3410.7		
Hard rock & pyrites iron	3419.2		

White Point Oil Co., 1

Located at Roselle, White Point

Drillers Log

	Depth in feet		Depth in Feet
Clay	13	Gumbo	475
Sand, water	90	Soft shale	492
Blue clay	105	Gumbo	503
Sand sulphur water	180	Soft shale	527
Gumbo--set 10" pipe	220	Hard shale	540
Shale	276	Gumbo	578
Shell	287	Shell	580
Blue shale	305	Gumbo	585
Shell	306	Shale, gas at 595	616
Shale	360	Set 8" pipe	
Shell	361	Gumbo	645
Shale	379	Soft shale	667
Shell	380	Gumbo	671
Sand rock	392	Shale Gumbo	682
Shale	405	Gumbo	765
Gumbo	418	Shale	778
Packed sand	425	Hard shell, rock	783
Shale	440	Gumbo	783
		Shell rock	795

	Depth in Feet
Hard shale	827
Gumbo	835
Rock	837
Gumbo	860
Soft shale	892
Gumbo	918
Sand shale	926
Gumbo	940
Hard rock	944
Shale	951
Gumbo	967
Shell rock	970
Shale	985
Gumbo	989
White sand	994
Very hard gumbo	1024
Sandy brown shale	1056
Gumbo	1076
Sandy shale	1130
Hard shell	1132
Gumbo	1139
Soft rock	1145
Gravel and boulders	1170
Shale	1178
Shale and boulders	1188
Soft rock	1193
Shale and boulders	1204
Sand g.	1213
Gumbo	1223
Rock	1224
Sandy shale	1241

	Depth in Feet
Gumbo	1249
Red clay	1270
Gumbo	1304
Rock	1309
Gumbo	1348
Sand rock	1356
Packed sand	1374
Gumbo	1386
Sand and shells	1398
Hard rock	1402
Gumbo	1411
Rock, and sand	1448
Gumbo	1458
Rock and sand	1490
Struck 6" pipe	
Gumbo	1502
Sand rock	1528
Gumbo	1555
Packed sand	1574
Gumbo	1588
Packed sand	1630
Set 200 ft. 4 $\frac{1}{2}$ linger	
Gumbo	1639
Sand	1678
Red shale	1689
Very soft, gas	1690
Sand	1712
Red shale	1722
Very fine sand	1812
Pyrites of iron	1819
Gumbo	1826
Sandy shale, gas (1848)	1900