

THE UNIVERSITY OF TEXAS
BUREAU OF ECONOMIC GEOLOGY
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Mimeograph Circular No. 30

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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 driller's 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 driller's 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

SOME WELL RECORDS IN PANOLA COUNTY

Eden No. 1, Galloway et al.

Located 1/4 mile NE of Beckville; Smith survey. Elevation: 345 feet.

Driller's Log

<u>Depth in feet</u>		<u>Depth in feet</u>	
Surface clay	25	Blue shale	530
Gray shale	60	Sandy lime	540
Lignite and clay	79	Blue gumbo	551
Blue gumbo	109	Sand	561
Water sand	121	Blue gumbo and shale	653
Blue shale	203	Blue shale	683
Blue gumbo	214	Blue gumbo	694
Hard sandy lime	218	Blue shale	714
Blue shale	284	Blue gumbo	735
Water sand	344	Blue shale	782
Blue shale	377	Blue gumbo	790
Water sand	396	Blue shale	813
Blue shale	428	Blue gumbo	818
Hard sand	438	Blue shale	838
Blue gumbo	448	Blue gumbo	859
Hard sand	455	Blue shale and gumbo	880
Hard sandy lime	457	Blue shale	911
Sand	467	Blue gumbo	929
Blue gumbo and boulders	485	Blue shale	948

Blue gumbo	1004	Hard blue gumbo and lime	2260
Shale, blue	1049	Correction measurement on pipe	2296
Blue gumbo	1054	Blue shale	2313
Blue shale	1129	Hard blue gumbo	2370
Blue gumbo	1171	Hard blue shale and boulders	2404
Blue shale	1192	Hard blue gumbo	2412
Blue gumbo	1216	Black sandy bit. shale	2425
Blue shale	1251	Blue gumbo and boulders	2440
Blue shale and boulders	1341	Dark sandy shale	2458
Blue gumbo	1373	Blue gumbo	2485
Blue shale	1393	Lime rock	2486
Blue gumbo	1439	Black shale and boulders	2498
Blue hard shale	1490	Sandy lime	2500
Blue gumbo	1510	Blue gumbo	2507
Gray shale	1531	Dark sandy shale and boulders	2528
Blue gumbo	1551	Blue gumbo-depth noon 1/9/22	2546
Gray shale	1593	Blue gumbo	2549
Blue gumbo	1634	Blue sandy shale	2598
Blue shale	1725	Blue sticky gumbo	2616
Sandy lime, shale, pyrite	1745	Blue sandy shale	2651
Gumbo and chalk	1748	Chalk and gumbo	2658
Sandy lime and shell	1788	Blue sandy shale	2665
Blue gumbo	1798	Blue gumbo	2675
Hard blue shale	1859	Blue sandy shale	2695
Hard blue gumbo	1869	Blue sandy marl	2701
Hard blue shale	1937	Blue chalk formation	2715
Hard blue gumbo	1977	Chalk, lime, and chert	2748
Hard blue gumbo	1988	Sandy shale	2754
Blue gumbo and chalk	2010	Sandy shale	2764
Lime, shell, and chalk	2014	Blue gumbo	2770
Chalk and lime	2018	Blue sandy shale	2806
Chalk	2027	Hard blue shale	2818
Lime	2044	Chalk and lime	2830
Chalk, lime, pyrite, shell, seams		Hard chalk, lime and shell	2885
of chert, black lime and		Hard chalky lime and shell	3069
black chalk	2180	Hard chalky lime and shell	3073
Hole reamed to 2168 seven days,		Hard white lime	3210
1½ hours of reaming and taking		Hard lime and some chert	3220
cores to date and depth.		Hard lime, some breaks of shale	3258
Chalk, lime, pyrite, shell, seams		Black shale	3287
of chert, black lime, chalk	2252	Gray marl	3288

Description of samples by R. T. Short and J. A. Udden; submitted by Jason Mackay, 1921, 1922.

	<u>Depth in feet</u>
Fragments of an <u>Inoceramus</u> shell - - - - -	1200
Pieces of a 2-inch core. A gray very soft somewhat chalk-like limestone or marl - - - - -	1752
Clay-ironstone, light gray marl, and pure white laminated marl of very fine texture - - - - -	2180
A fragment of an oyster shell - - - - -	2525
Bluish gray shaly marl - - - - -	2528
Dark gray shale with fragments of <u>Inoceramus</u> shells - - - - -	Not known
Gray calcareous clay or marl containing small fragments of white limestone - - - - -	2651
Light and dark gray calcareous clay or marl - - - - -	2708
Several pieces of a gray marl and one fragment of dark gray limestone - - - - -	2770
Gray calcareous clay or marl - - - - -	2820
Gray slightly calcareous shale with a little light gray limestone - - - - -	2852
Gray slightly calcareous shale with a small quantity of light gray limestone - - - - -	2940
Light gray slightly sandy and calcareous shale and some light gray limestone, considerable glauconite and pyrite - - - - -	3000
Like sample from 2940 to 3000 feet - - - - -	3040
Bluish-gray shale and some light gray limestone - - - - -	3120
Fragment of a core of very fine-textured white limestone - - - - -	3116
Bluish-gray shale and light gray limestone - - - - -	3160
Gray marl with some light gray limestone - - - - -	3200
Gray shale with some light gray and white limestone - - - - -	3220

Two pieces, one a $1\frac{1}{2}$ -inch core and the other a 2-inch core. The 2-inch core is a gray marly limestone or highly calcareous shale and contains many fragments of pelecypod shells. The $1\frac{1}{2}$ -inch core is of the same material as the above but of a darker gray - - - - -	3200
Gray calcareous shale or marl - - - - -	3330
Gray calcareous shale or marl. Also a few fragments of white limestone present - - - - -	3370
Gray calcareous shale or marl. Few fragments of white limestone, and of brown dolomite, and some gray sandstone noted - - - - -	3430
Several pieces of a core of gray shaly limestone and gray compact marl - - -	3433
Gray slightly calcareous shale or marl; a few fragments of white limestone and gray sandstone present - - - - -	4380
Gray calcareous shale or marl - - - - -	3520
Gray calcareous shale or marl, a few fragments of white limestone - - - - -	3546
Gray calcareous shale or marl, a few fragments of white limestone, containing glauconite, present - - - - -	3567
Gray calcareous shale or marl which splits into sharp thin fragments - - -	3585