

UNIVERSITY OF TEXAS
BUREAU OF ECONOMIC GEOLOGY
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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
FREESTONE
SOME WELL CORES IN FREESTONE COUNTY

McDaniel No. 1, Broderick et al.

Located 3/4 mile N.E. of Butler, and 3 miles W. of Butler Salt Dome.

Drillers Log.

Surface sand	10	Soft shale	900
Red clay	15	Hard shale	910
White clay & sand	35	Sand rock showing gas	925
Water sand	50	Hard shale	965
Hard brown sand	70	Soft shale and bldrs	1005
Hard sandy clay	113	Hard gumbo	1016
Sand	120	Hard gumbo	1038
Shale	127	Soft rock (black) gas showing	1050
Iron ore rock	130	Gyp & gumbo (white)	1054
Sand and bldrs	135	Gumbo, hard (white)	1064
Gumbo	200	Sandy shale	1075
Red sandy shale	240	Gumbo	1110
Sandy shale	300	Soft rock	1112
Pack sand	329	Hard gumbo and gyp	1117
Hard fine smooth sand	415	Soft gumbo	1182
Hard shale	505	Hard shale	1195
Soft shale & bldrs	564	Hard rock	1196
Sand rock	568	Hard shale	1202
Soft sand	593	Blue shale (hard)	1217
Rock	600	Hard shale & bldrs	1260
Lignite	605	Hard rock	1265
Sandy shale	670	Blue shale (hard)	1285
Hard shale	758	Blue shale (hard)	1305
Soft shale	785	Hard rock	1307
Hard gumbo	800	Hard shale (black)	1335
Shale	805	Hard lime (white)	1349
Gumbo	825	Hard gumbo (dark)	1368
Hard dry gumbo	815	Gumbo (dark)	1390
Soft shale & bldrs	845	Gumbo (dark) & lignite	1423

Hard rock	1428	Shale & bldrs	2529
Sandy shale	1445	Lime rock	2531
Sandy shale & bldrs	1453	Lime rock & chalk	2549
Gumbo & bldrs	1465	Lime and chalk	2572
Soft rock	1470	Lime & chalk rock	2600
Shale	1496	Sandy shale	2607
Gumbo	1508	Sandy shale	2617
Blue gumbo & bldrs	1528	Sandy shale	2621
Lime rock (white)	1528	Sandy lime	2623
Gumbo	1540	Blue shale	2641
Gumbo (brown)	1550	Sandy shale	2678
Sandy shale & pebble	1556	Hard gumbo	2690
Hard lime rock	1560	Shale	2720
Gumbo (hard)	1576	Rock	2722
Hard gumbo (brown)	1604	Shale	2724
Sandy shale & bldrs	1622	Rock	2725
Sandy shale & bldrs	1637	Shale	2728
Hard rock	1640	Sand rock	2730
Hard gumbo (brown)	1655	Shale	2735
Sandy shale & bldrs	1668	Sand rock	2736
Hard black lime	1700	Shale	2780
Red sandy shale & bldrs	1700	Shale	2785
Hard gumbo	1721	Sand rock	2788
Brown gumbo & bldrs	1736	Shale	2818
Compact fine oil sand with bright yellow shavings	1740	Marl	2832
		Hard sand shale	2842

No entries until 1958 to 2039.

Gumbo & bldrs	2039	Sandy shale	3062
Shale & bldrs	2059	Shale	3082
Gumbo	2069	Sandy gumbo	3093
Shale & bldrs	2085	Conglomerate rock	3098
Gumbo	2105	Conglomerated shale	3118
Shale & bldrs	2150	Gumbo	3130
Shale & bldrs	2160	Gumbo	3144
Gumbo	2175	Sandy gumbo	3172
Gumbo	2192	Shale	3257
Gumbo (very tough digging)	2210	Gumbo	3259
Gumbo	2218	Shale	3275
Hard shale	2224	Gumbo	3280
Gumbo	2244	Sandy shale	3310
Hard shale	2253	Black shale	3342
Sandy gumbo	2261	Sandy rock	3344
Gumbo	2281	Bldrs sand & shale	3360
Gumbo	2290	Sand rock	3385
Sandy shale & bldrs	2303	Sand rock	3401
Sandy shale & bldrs	2343	Broken sand & pyrites	3407
Sandy shale & bldrs	2355	Broken sand & pyrites	3413
Gumbo	2370	Pack sand	3443
Shale	2390	Hard dry sand	3465
Shale	2410	Sandy shale	3474
Gumbo	2472	Pack sand & rock	3480
Gumbo	2440	Pack sand & bldrs	3500
Blue shale	2480	Sandy limes	3528
Gumbo	2487	Broken sand lime & shale	3550
Gumbo	2505	Shale	3561
Gumbo	2512	Hard sand	3565

No entries until 3058 to 3062.

Hard sand	3567	S. Sandy gumbo	3600
Sand & lime	3573	Sandy gumbo	3607
Gyp & sand lime	3579		

Well stated by Broderick to have been abandoned at T. D. 4001. Fall of 1922.
E.H.S.

Description s of samples by R. T. Short and E. H. Sellards; Submitted By A. J. Broderick, 1922.

	Depth in Feet
Gray sand with considerable gray shale and many fragments of lignite.	1445
Gray calcareous sandstone, gray shale, a clay, lignite, quartz sand grains and small fragments of pyritized wood.	1453
Gray shale or clay with considerable lignite. A few fragments of gray sandstone and fragments of brown clay-iron-stone noted.	1496
Light gray non-calcareous shale or clay	1528
Gray non-calcareous clay.	1540
Gray shale or clay and gray sandstone. Considerable lignite present.	1556
Gray non-calcareous slightly sandy clay.	1576
Dark gray non-calcareous finely textured clay.	1604
Gray shale and fragments of lignite	1610
Gray calcareous clay or marl with considerable lignite.	1622
Gray calcareous clay or marl. A few fragments of lignite present.	1637
Gray non-calcareous clay or shale	1655
Mostly of quartz sand and fragments of gray shale and gray limestone. Considerable pyrite and a few grains of glauconite noted.	1746
Gray sand with fragments of dark gray non-calcareous shale	1737
Piece of gray, very compact limestone. This piece appears to be a part of a concretion.	1737
Piece of a core of gray non-calcareous shale thinly laminated with thin layers of fine gray micaceous sand.	1748
Several pieces of gray non-calcareous shale or clay, containing considerable quartz sand.	1954
Gray sandy shale.	1938
Dark gray very slightly calcareous sandy shale.	2059
Gray sandy shale.	2061

Depth in Feet

Like preceding sample except that a Cristellaria noted	2150
Like preceding sample except that the sand is more abundant	2248
Gray sandy shale	2303
Like preceding sample	2343
Like preceding sample	2390
Like preceding samples except that no glauconite and very few foraminifera noted	2432
Like sample from 2390-2432 except that it is darker in color	2480
Sample consists of pieces of clay-iron-stone.	2531
Gray compact calcareous shale. This shale splits into sharp thin fragments.	2600
Like preceding sample except that a few grains of glauconite were noted	2641
Like preceding sample except that it is lighter in color.	2684
Gray soft sandy shale.	2750
Gray sandy shale containing fragments of gray limestone. A few fragments of clay-iron-stone and aggregates of minute crystalline pyrite also present.	2880
Several pieces of brown clay-iron-stone, a few pieces of brown limestone, some gray shale, aggregates of minute crystalline pyrite.	2785
Gray slightly calcareous shale.	2800
Like preceding sample.	2860
Gray slightly calcareous slightly micaceous shale	3035
Gray calcareous shale containing some mica and some fine sand.	3040
Gray slightly calcareous shale	3087
Like preceding sample except that clay-iron-stone and the black bituminous material is more abundant.	3098
Gray slightly micaceous marl.	3172
Like preceding sample	3259
Gray slightly micaceous marl.	3360
Like preceding sample except that it contains few fragments of white limestone	3370
Several pieces of gray limestone and a few pieces of gray marl.	3385

	Depth in Feet
Gray calcareous shale.	3459
Pieces of lignite, clay-iron-stone, a piece of cone-in-cone, calcite and a fragment of shell breccia containing a large amount of glauconite and a few pieces of Inoceramus shells	3459
Pieces of gray calcareous fine grained sandstone, pieces of clay-iron-stone and gray sandy marl.	3490
Gray sandy marl which splits into thin sharp fragments.	3500
Two fragments of clay-iron-stone. These fragments contain fissures filled with a purple crystalline material	3455
Gray calcareous sandy shale, pieces of clay-iron-stone, pieces of gray calcareous fine grained sandstone and aggregates of glauconite, the grains being cemented together with a calcareous binder.	3500
Piece of a core of gray calcareous very fine grained sandstone.	3505
Piece of a core of gray highly calcareous slightly micaceous fine grained sandstone.	3538
Gray finely textured slightly calcareous shale	3570
Gray marl containing some fine sand.	3607
Gray calcareous shale and large amount of quartz sand.	3622
Piece of a core of gray compact calcareous very sandy shale.	3620
Gray marl.	3774
Gray slightly calcareous shale which splits into sharp thin fragments.	3838
Two pieces of silicified wood	3838
Gray marl.	3878