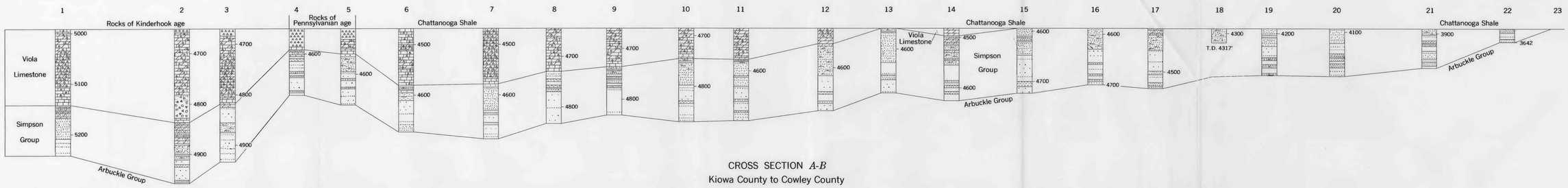
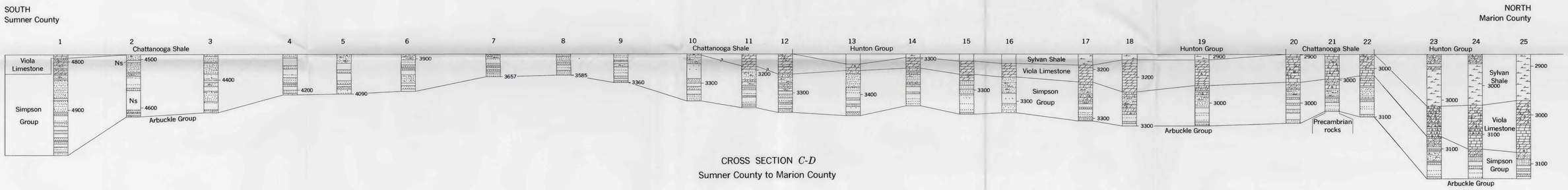
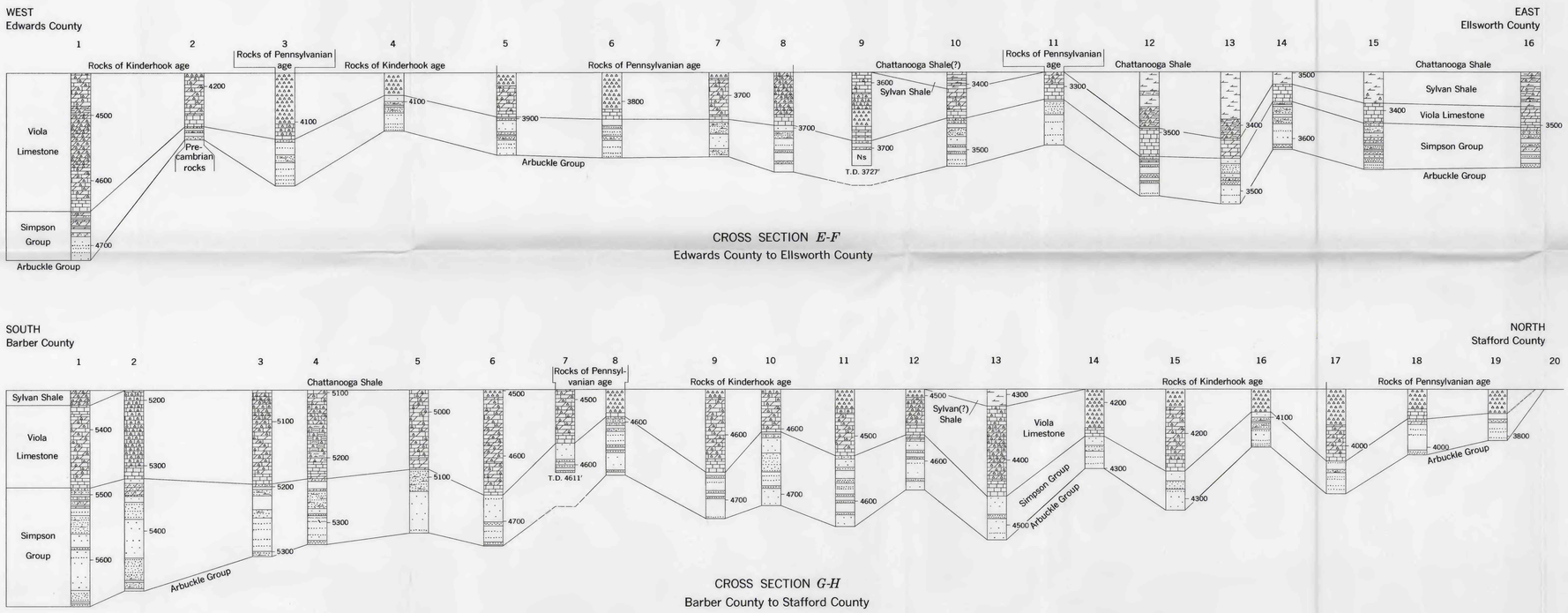


CROSS SECTION *A-B*
Kiowa County to Cowley County



CROSS SECTION *C-D*
Sumner County to Marion County



CROSS SECTION *E-F*
Edwards County to Ellsworth County

CROSS SECTION *G-H*
Barber County to Stafford County

EXPLANATION

ROCK SYMBOLS

- Sandstone
- Siltstone
- Shale
- Dolomite
- Limestone
- Dolomitic limestone
- Shaly limestone
- Shaly dolomite
- Ns — No sample

PARTICLE SYMBOLS

- Sand
- Silt
- Glauconite
- Detrital chert
- Calcite
- Dolomite
- Chert
- Dolomite fragments

Datum: top of Ordovician rocks
Vertical scale: 1 in. = 100 ft
Horizontal scale: 1 in. = 4 miles
Depths in feet indicated beside logs
T. D.: total depth in feet
Lines of sections and well numbers above sections are shown on plates 2, 3, and 4

Wells on cross section A–B, Kiowa County to Cowley County
[All logs by Kansas Sample Log Service]

Number on section	Company	Farm	Well	Location: Sec.	T.	R.
1	Rupp-Ferguson	Marford	1	SW¼NW¼SW¼ 5	29 S.	17 W.
2	G.M.R.	Betzer	2	NW¼NW¼NE¼ 34	29 S.	16 W.
3	Ferguson	Wiltshire	1	CenterSW¼SW¼ 32	29 S.	15 W.
4	N.C.R.A.	Weede	1	NW¼NW¼SE¼ 6	30 S.	14 W.
5	Imperial	Bergner	1	S½NE¼NW¼ 35	29 S.	14 W.
6	Natural Gas & Oil	Lambert	1	CenterNW¼SE¼ 4	30 S.	13 W.
7	Payne	Gibson	1	CenterNE¼SW¼ 3	30 S.	12 W.
8	Lauck	Coss	1	NW¼NW¼NW¼ 16	30 S.	11 W.
9	Rupp-Ferguson	Rolf	1	SE¼SE¼NE¼ 18	30 S.	10 W.
10	Gulf	Fiehl	1	NW¼SW¼NE¼ 19	30 S.	9 W.
11	C.S.O.	Defenbaugh	1	NE¼NE¼SE¼ 23	30 S.	9 W.
12	N.C.R.A.	Tjaden "A"	4	SW¼NW¼SE¼ 13	30 S.	8 W.
13	Aurora	Hufford	1	NW¼NW¼NE¼ 23	30 S.	7 W.
14	Trans-Era	Tullgren	1	NE¼NE¼NW¼ 15	30 S.	6 W.
15	Lauck	Weathered	1	SE¼SE¼NE¼ 21	30 S.	5 W.
16	Aylward	Kirk	1	SW¼SW¼SE¼ 21	30 S.	4 W.
17	Aurora	Glass	1	NE¼NE¼SW¼ 6	31 S.	3 W.
18	Stelbar	Moyer	1	NE¼NE¼SW¼ 12	31 S.	3 W.
19	Gulf	Bentie	1	NE¼NE¼NE¼ 21	31 S.	2 W.
20	Deep Rock	Riddell	1	SW¼SE¼NW¼ 16	31 S.	1 W.
21	Gruenerwald	Brooklings	1	SW¼SW¼SE¼ 15	31 S.	1 E.
22	Aurora	Dalley	1	NW¼NW¼NE¼ 15	31 S.	2 E.
23	Wrico	Shore	1	SE¼SE¼NW¼ 17	31 S.	3 E.

Wells on cross section C–D, Sumner County to Marion County
[All logs by Kansas Sample Log Service except numbers 2 and 3 by W. L. Adkison]

Number on section	Company	Farm	Well	Location: Sec.	T.	R.
1	Herndon	Pratt	1	SE¼SE¼NW¼ 17	35 S.	2 W.
2	L. H. Wentz	Crane	1	SE¼NE¼NW¼ 23	34 S.	2 W.
3	Stickle Drilling and					
	Bolay	Bolay	1	SE¼SE¼NW¼ 34	33 S.	1 W.
4	Brunson-Spines	Hackney	1	SE¼SW¼NE¼ 36	32 S.	1 W.
5	Lario	Rusk "B"	1	NE¼NW¼NE¼ 8	32 S.	1 E.
6	Gruenerwald	Brooklings	1	SW¼SW¼NE¼ 15	31 S.	1 E.
7	Sutton	Anderson	1	SW¼SW¼NE¼ 11	30 S.	1 E.
8	Strait	Larimer	1	SW¼SW¼SW¼ 16	29 S.	2 E.
9	Dunne and Strait	Rippe	1	SE¼SE¼SW¼ 26	28 S.	2 E.
10	Gaty	Dotts	1	NE¼NW¼NE¼ 33	27 S.	2 E.
11	Blaire	Ketterman	1	SE¼SE¼SW¼ 2	27 S.	2 E.
12	Hamilton	Wilson	1	NW¼NW¼NE¼ 26	26 S.	2 E.
13	Renfro	Jackson	1	SW¼SE¼SW¼ 28	25 S.	2 E.
14	do	Dubois	1	SW¼NE¼NW¼ 3	25 S.	2 E.
15	do	Bixby "B"	1	NE¼NE¼NW¼ 14	24 S.	2 E.
16	Sutton	Nickel	1	NE¼SE¼SE¼ 27	23 S.	2 E.
17	Herndon	Orphin	1	SE¼SE¼NW¼ 26	22 S.	2 E.
18	Westgate-Greenland	Ullum	1	NW¼SW¼NW¼ 16	22 S.	2 E.
19	Anderson-Prichard	Brewer	1	NE¼SW¼NW¼ 11	21 S.	2 E.
20	do	Toews	1	SE¼NW¼NW¼ 1	20 S.	2 E.
21	do	Jost	1	SW¼NW¼SW¼ 22	19 S.	2 E.
22	do	Heit	1	SW¼NE¼SW¼ 3	19 S.	2 E.
23	Smitherman	Oborny	1	SW¼SW¼NW¼ 12	18 S.	2 E.
24	Kramer	Scully	1	NW¼NW¼SE¼ 30	17 S.	3 E.
25	Franco-Central	Meyer	1	NW¼NW¼NE¼ 9	17 S.	3 E.

Wells on cross section E–F, Edwards County to Ellsworth County
[All logs by Kansas Sample Log Service]

Number on section	Company	Farm	Well	Location: Sec.	T.	R.
1	N.C.R.A.	Lovette	1	SE¼SE¼NW¼ 17	24 S.	17 W.
2	Natural Gas & Oil	Enlow	1	SE¼NE¼NW¼ 9	24 S.	16 W.
3	Musgrove	Hoover	1	NE¼NE¼NE¼ 5	24 S.	15 W.
4	Lofland	Gray	1	SW¼SE¼NE¼ 33	23 S.	14 W.
5	Petroleum Inc	Lutz	1	SE¼SE¼SW¼ 22	23 S.	13 W.
6	Texas	McGerdes	1	NE¼NE¼NE¼ 34	23 S.	12 W.
7	Iron	Thole	1	SW¼SW¼NW¼ 23	23 S.	11 W.
8	Wilkinson	Hinshaw	1	SW¼SW¼NW¼ 16	23 S.	10 W.
9	L. Phillips	CenterSE¼NE¼	26		22 S.	10 W.
10	Thunderbird	Wellman	1	SE¼SE¼SW¼ 33	21 S.	9 W.
11	do	Faler	1	SE¼NW¼NE¼ 2	21 S.	9 W.
12	Lauck	Schumway	1	NW¼NW¼SE¼ 9	20 S.	8 W.
13	Birmingham-Bartlett	Taylor	1	SW¼SE¼SE¼ 24	19 S.	8 W.
14	Cherry	Pulliam	1	SE¼SE¼NW¼ 16	19 S.	7 W.
15	Riggs	Sellers	1	NE¼NE¼NE¼ 25	18 S.	7 W.
16	Salina	Larson	1	SW¼SW¼SW¼ 12	17 S.	6 W.

Wells on cross section G–H, Barber County to Stafford County
[All logs by Kansas Sample Log Service except number 4 by W. L. Adkison]

Number on section	Company	Farm	Well	Location: Sec.	T.	R.
1	Cities Service	Walgamott	1	S½SW¼NW¼ 16	35 S.	14 W.
2	Gruenerwald	Farley	1	CenterNW¼NW¼ 32	34 S.	14 W.
3	Shell	Gentry	1	CenterSE¼NW¼ 19	33 S.	14 W.
4	Sinclair Prairie Oil	Gentry	1	NEcornerNE¼ 1	33 S.	15 W.
5	N.C.R.A.	Skinner	1	NW¼NW¼NE¼ 2	32 S.	15 W.
6	Skelly	Reed	1	CenterSE¼NE¼ 10	31 S.	15 W.
7	Farmer	Hoagland	1	CenterSE¼NE¼ 24	30 S.	15 W.
8	N.C.R.A.	Weede	1	NW¼NW¼SE¼ 6	30 S.	14 W.
9	Aurora	Jenkins	1	NE¼NE¼SW¼ 5	29 S.	14 W.
10	Rock Island	Michael	1	NW¼NW¼NE¼ 20	28 S.	14 W.
11	El Dorado	Vanatta	1	NW¼SE¼SE¼ 28	27 S.	14 W.
12	Aurora	Jones	1	SW¼SW¼SW¼ 5	27 S.	14 W.
13	Gulf	Gereke	1	SE¼SE¼SW¼ 9	26 S.	14 W.
14	Petroleum Inc	Tanner	1	NE¼NE¼SE¼ 14	25 S.	14 W.
15	Chief and Sunray	Snyder	1	SE¼SW¼NW¼ 28	24 S.	14 W.
16	Lofland	Gray	1	SW¼SE¼NE¼ 33	23 S.	14 W.
17	National Gas & Oil	Tanner	1	SE¼NW¼NE¼ 7	23 S.	14 W.
18	Heller	Barstow	1	SW¼SW¼NE¼ 13	22 S.	15 W.
19	Anschutz	Fischer	1	SE¼SE¼NE¼ 23	21 S.	15 W.
20	Palmer	Heuesen	1	SW¼SW¼NW¼ 6	21 S.	14 W.

STRATIGRAPHIC CROSS SECTIONS OF MIDDLE AND UPPER ORDOVICIAN ROCKS IN THE SEDGWICK BASIN AND ADJACENT AREAS, SOUTH-CENTRAL KANSAS

466-749 O - 72 (In pocket) No. 1