

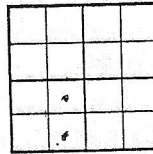
WELL LOG

COMPANY **Cromwell & Elphick**
 FARM **Stern** NO. **1**

SEC. **28 T. 27 R. 6E**
 LOC. **SE SW SE**

TOTAL DEPTH **3079**
 COMM. **12-7-51** COMP. **1-6-52**
 SHOT OR TREATED
 CONTRACTOR **Murfin Drilling Co.**
 ISSUED

COUNTY **Butler**
KANSAS



CASING
 20 10 1845
 15 8 2735
 12 6
 13 850 5 3054

ELEVATION **1382**

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

20	lime	585	shale	1425	shale
50	shale	590	lime	1510	lime
60	lime	680	shale	1650	shale
65	shale	695	sandy lime	1660	lime
70	lime	720	shale-shells	1670	shale
75	shale	740	shale	1680	lime
100	lime	745	lime	1690	shale
110	shale	765	shale	1710	lime
115	lime	790	lime	1770	shale
125	red rock	795	shale	1950	lime
145	lime	848	lime	2035	shale
160	shale	860	shale	2045	sandy lime
170	lime	865	lime	2090	sgale
220	shale-shells	925	shale	2280	lime
230	lime	935	lime	2310	shale
240	shale	965	shale	2330	lime
260	lime	970	lime	2355	shale
280	brkn. lime	975	lime-shale	2360	lime
285	red rock	1025	lime	2400	shale
300	shale	1030	shale	2420	lime
335	lime	1035	lime	2470	shale
350	shale-shells	1040	shale	2480	lime
370	shale	1045	lime	2495	shale-shells
375	lime	1095	shale	2500	shale
410	shale	1140	lime	2530	lime
415	lime	1155	shale	2580	shale-shells
425	shale	1175	lime	2595	shale
430	lime	1200	shale	2605	lime
435	shale	1215	lime	2615	shale
450	lime	1225	shale	2620	lime 2640 shale
460	shale	1230	lime	2650	red rock
470	lime	1235	shale	2720	shale
540	shale	1275	lime	2723	red rock
515	red rock	1285	shale	2998	lime
550	lime	1315	lime	3069	shale
555	shale	1335	shale	3079	lime
560	lime	1365	lime		
570	red rock	1405	shale		
575	lime	1410	lime		

State of Kansas }
 County of Sedgwick } ss:

I, W. R. Murfin of the Murfin Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the #1 Stern well.

W. R. Murfin

Subscribed and sworn to before me this 11th day of February 19 52

My Commission Expires: 6-4-55

NOTARY PUBLIC