

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
412 Union National Bank Bldg, Wichita, Kansas.

SPENCER - YARNELL
Gemeinhardt No. 4-B

SEC. 31 T. 17 R. 10W.
CNL S $\frac{1}{2}$ SW

Total Depth. 3234
Comm. 8-14-39 Comp. 9-30-39
Shot or Treated.
Contractor. Spencer Drilling Co.
Issued. 4-13-40

County Ellsworth.



CASING.

12 $\frac{1}{2}$ "	245'	UR 560'
10"	2230'	
8 $\frac{1}{2}$ "	3029'	
6"	3229'	

Elevation.

Production. Pot. 7068 B.

Figures Indicate Bottom of Formations. Echometer. Max 2500B.

cellar	10	lime	1800	shale	2850
clay	50	shale	1805	lime	2880
sand	70	red rock	1810	shale	2890
shale	90	lime	1815	lime	2900
shale red	120	shale	1825	shale	2940
shale	130	lime	1880	lime	2945
sand. HFW 145	165	shale	1885	show oil 2940-50	
shale	175	red rock	1895	Gas 2960-70	
sand	230	lime	1930	oil 3025-31	
shale	255	shale	1935	HFW 3041-60	
HFW 255-90		lime	1975	lime	3167
sand	290	red rock	1985	shale	3175
shale	318	lime	2035	lime	3224
shale red	350	shale	2045	shale blk	3231
red rock	555	lime	2065	lime	3234
lime anhydrite	560	shale	2075		
lime	575	lime	2080	Total Depth.	
shale	585	shale	2125	Oil 3231-34	
red rock	706	lime	2130		
shale red	785	shale	2145		
shale	855	lime	2155		
red rock	905	shells red rock	2180		
shale	990	shale	2193		
salt	1280	lime	2200		
shale shells	1305	lime shells wtr	2212		
shale	1310	sand	2225		
lime	1325	shale	2285		
shale	1335	lime	2310		
lime	1360	shale	2345		
shale	1365	lime	2375		
lime	1375	shale	2385		
shale	1380	lime	2400		
lime	1395	shale	2405		
red rock	1400	red rock	2410		
shale	1425	shale	2420		
lime	1510	lime	2435		
red rock	1520	shale	2480		
lime	1550	lime	2495		
shale	1555	shale	2505		
lime	1575	lime	2555		
1 $\frac{1}{2}$ BW 1610-20		shale	2570		
4 BW 1635-45		lime	2640		
lime	1705	1 $\frac{1}{2}$ BW 2640-50			
red rock	1710	lime sdy	2675		
lime	1735	lime	2680		
shale	1740	shale	2685		
lime	1755	lime	2765		
red rock	1760	shale	2770		
lime	1775	lime	2827		
shale	1780	shale	2832		
red rock	1785	lime	2837		