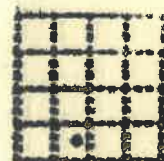


SPENCER - YARNELL
Gemeinhardt No. 5-B.

SEC. 31 T. 17 R. 10W.
CEL SE SW

Total Depth 3231
Comm. 2-16-40 Comp. 3-15-40
Shot or Treated:
Contractor: Spencer Drilling Co.
Issued. 4-13-40

County Ellsworth.



CASING.

15 1/2" 190'
12 1/2" 285' UR 551
10" 1910'
8 1/4" 2280'
7" 3230'

Elevation.

Production Pot. 13,000 B.

Figures Indicate Bottom of Formations.

cellar	10	lime	1755	lime	2824
shale yellow	45	red rock	1765	shale	2828
red rock	55	lime	1780	lime	2833
sand	60	red rock	1785	shale	2850
shale	105	lime	1800	lime	2857
red rock	120	shale	1810	shale	2865
shale	125	red rock	1815	lime	2870
sand water	175	shale	1825	shale	2940
shale	185	lime	1830	Oil and gas	2942
sand 230		shale	1840	lime Kansas City	3016
shale	250	lime	1845	shale	3020
red rock	270	red rock	1850	lime brown	3024
shale	295	lime	1880	show oil	3024
shale	310	red rock	1890	1 1/2 BW	3040
red rock	548	lime	1945	lime	3060
lime Anhydrite	553	lime and shale	1970	show oil	3060-70
lime	570	red rock	1975	1 B oil every 2 hours.	
red rock	775	lime	2030	lime brown	3070
shale	850	shale	2040	lime	3105
red rock	885	lime	2055	shale	3108
shale	997	shale	2060	lime	3165
salt	1250	lime	2065	shale	3170
lime and shale	1280	shale	2070	lime	3201
shale	1285	lime	2080	shale colored	3210
lime	1295	shale	2115	lime	3225
shale shells	1310	4 1/2 BW	2110-20	shale	3229
shale	1320	lime	2125	lime	3231
lime	1330	shale	2140	Total Depth.	
shale	1335	lime	2150		
lime	1360	shale	2155	show oil	3230-31
shale	1365	lime	2160		
lime	1373	shale	2175		
shale	1377	red rock	2185		
shale shells	1385	shale	2190		
red rock	1390	lime	2210		
shale	1405	sand water	2220		
lime	1445	lime	2225		
shale	1450	shale	2277		
lime	1495	lime	2305		
shale	1505	shale	2330		
red rock	1515	lime	2370		
lime	1535	shale	2375		
shale	1545	lime	2380		
lime	1550	shale	2385		
shale	1560	lime	2398		
lime	1665	shale	2410		
1 BWPFR 1605-15		lime	2430		
3 1/2 BWPFR 1640-55		shale	2480		
shale	1670	lime	2505		
lime	1705	shale	2515		
red rock	1712	lime	2530		
lime	1720	sdv lime	2650		
shale	1725	1/2 EW	2640-55		
lime 5 BW	1735	lime	2765		
shale	1740	lime broken	2775		