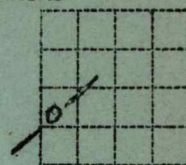


Company - J.E. MORRIS, ET AL
Farm - Varner No. 3.SEC. 24 T. 28 R. 7 E
SW NW SWTotal Depth. 2743
Comm. 5-27-45 Comp. 7-23-45
Shot or Treated.
Contractor. Bye Drlg. Co.
Issued. 9-29-45County. Butler
KANSASCASING:
12 1/2" 20' 7" 2065'
10" 705' 5 3/16" 2705'
8 1/4" 1512' 8"

Elevation. _____

Production. Dry

Figures Indicate Bottom of Formations.

soil	5	shale wh	950	lime	2410
gravel	15	lime	965	shale	2415
lime	25	shale	980	lime	2430
shale	35	lime	995	shale	2435
lime	40	shale	1000	lime shells	2450
shale	60	lime	1060	shale	2455
lime	95	shale	1068	lime	2480
shale	100	lime sdy	1090	shale	2495
lime	125	lime	1095	shale drk	2515
shale shells	150	shale	1120	lime	2530
lime	200	shale sdy	1125	shale	2535
shale	205	lime	1135	lime	2540
red rock	215	shale	1175	shale	2575
shale blue	225	lime	1185	lime shells	2655
shale	230	shale	1190	shale	2665
lime	240	lime	1195	lime	2670
shale	250	shale	1270	red rock	2678
lime	275	lime	1275	shale shells	2693
shale	285	shale shells	1290	shale	2701
lime	300	lime	1320	lime	2705
shale	305	shale	1340	lime wh	2710
lime	320	redrock	1350	lime dolomite	2715
shale	365	shale	1355	lime drk brwn	2718
lime	370	lime	1370	lime dolomite brn	2726
shale	380	shale sdy	1390	lime dolomite	
lime	385	shale lgt	1410	brwn	2731
shale	400	lime shells	1420	lime dolomite drk	2740
red rock	410	shale	1435	lime drk	2743
shale	415	lime sdy	1440	Total Depth	
shale shells	435	shale	1445		
red rock	445	shale shells	1455	Tops:	
shale	475	shale sdy	1475	Kans. City	1965
lime	480	shale	1505	Miss.	2702
shale	530	shale blue	1540		
lime sdy	545	shale	1570	Show oil 2095 1 BO & Wtr	
shale	575	lime	1595	Show oil 2710-15	
lime	580	shale	1610	stain 2718-26	
shale	595	shale lgt	1630	Show oil 2735-40 free	
lime	605	lime	1800		
shale	610	shale	1885	WATER:	
shale shells	625	lime hrd	1920	HFW 655-80	
lime	630	lime sft	1925	HFW 1068-80	
shale shell	645	shale	1955	HFW 1455	
shale	655	lime	2030	HFW 2030-40	
lime	695	sand	2040		
shale	735	lime	2085		
lime brkn	750	shale	2090		
shale	760	lime	2105		
lime	765	slate drk	2110		
shale	800	lime	2150		
shale wh	815	shale sdy	2215		
lime	820	shale	2255		
shale	840	shale shells	2285		
lime hrd	855	shale	2295		
shale	860	red rock	2300		
lime hrd	870	shale	2305		
shale	930	lime	2320		
lime	945	shale	2395		