

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

BLACK-MARSHALL OIL CO.
Grosshardt No. 4.

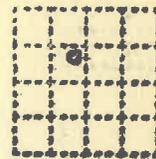
SEC. 4
NE SE NW

T. 17

R. 11 W

Total Depth. 3343'
Comm. 6-30-43 Comp. 8-18-43
Shot or Treated.
Contractor.
Issued. 10-9-43

County. Barton



CASING:

12 1/2" 388.1 7" 3159'
10" 716.5 5" 3335'
8" 2443.4

Elevation.

Production. Pot. 429 B.

Figures Indicate Bottom of Formations.

surface	10	lime	2110	7 BW 160
shale blue	130	shale	2135	1/2 BW 1660-65
shale	150	lime	2140	1 BW 1725
sand	175	shale	2145	3 BW 1760-70
red rock	185	shale & shells	2200	1/4 BW 2120
sdv shale	260	shale	2228	1 BW 2410
red rock	295	lime	2235	4 BW 2715
shale blue	305	shale	2300	2 1/2 BW 3118-35
sand	310	lime	2305	HFV 3145
shale blue	420	shale	2375	
shale sdv	430	lime	2380	sh oil 3035-40
shale blue	475	shale	2385	300'/1 hr 3340-43
red rock	718	shale & shells	2400	
anhydrite	742	shale	2450	Formation Tops:
red rock	950	lime	2460	Anhydrite 718
shale blue	1025	shale	2470	Salt 1170
red rock	1050	lime	2475	Topeka 2655
shale blue	1170	shale	2485	IKC (brown) 3015
salt	1360	lime	2500	IKC (white) 3030
shale blue	1400	shale & shells	2535	Conglomerate 3298
lime brkn	1440	shale	2585	Arbuckle 3332
lime	1450	lime	2600	
shale	1455	shale	2620	
lime	1475	lime	2640	
shale	1480	shale	2655	
lime	1485	lime	2665	
shale & shells	1620	shale	2670	
red rock	1635	lime	2685	
lime	1675	shale	2690	
shale & shells	1735	lime	2927	
shale	1750	shale	2932	
lime	1785	lime	2960	
shale	1790	shale	3020	
lime	1795	3020 equals 3015		
shale	1800	lime	3019	
lime	1820	shale	3030	
shale	1830	lime	3060	
lime	1845	shale	3065	
lime & shale	1885	lime	3090	
lime	1905	shale	3095	
red rock	1910	lime	3100	
lime	1915	shale	3105	
shale	1920	lime	3140	
red rock	1925	lime sdv	3150	
lime	1930	lime	3165	
shale	1940	shale	3180	
lime	1955	lime	3190	
shale	1960	shale	3195	
lime	1980	lime	3242	
shale	1985	shale red&blue	3245	
lime	2000	lime	3277	
red rock	2010	shale	3282	
lime	2020	lime	3295	
shale	2025	shale gy	3298	
lime	2030	conglomerate	3325	
shale	2035	Arbuckle dolo.	3328	
lime	2065	3328 equals 3335	SIM	
shale	2080	dolomite	3343	
red rock	2100	Total Depth.		