

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

Company - BLACK-MARSHALL OIL COMPANY
Farm - A. C. Zeman No. 1

SEC. 9 T. 15 R. 12W
SEc NE

Total Depth. 3292'
Comm. 11-20-46 Comp. 12-31-46
Shot or Treated.
Contractor. Earl Wakefield
Issued. 2-1-47

County. Russell
KANSAS



CASING:

15 1/2" 450' P 8 1/4" 2030' P
10 " 740' P 7 " 2960' P

Elevation. _____

Production. Dry

Figures Indicate Bottom of Formations.

cellar	10	shale	2060
yellow clay	35	lime	2085
blue shale	60	shale	2090
drk shale	80	lime	2100
shale	120	shale	2105
blue shale	140	lime	2130
lt shale	175	shale & shells	2155
sdv shale	200	lime	2158
shale	230	shale	2170
sand	280	lime	2175
red rock	320	shale	2185
blue shale	360	lime	2190
sdv shale	385	shale	2240
blue shale	410	lime	2250
shale	420	shale & shells	2270
sand	430	lime	2280
shale	440	shale & shells	2305
sand	449	shale & lime	2315
shale	450	lime	2320
blue shale	479	shale	2327
red rock	735	red rock	2330
anhydrite	770	shale	2390
red rock	955	lime	2405
blue shale	990	shale	2410
red rock	1045	lime	2415
blue shale	1170	shale	2485
salt	1390	lime	2495
shale & shells	1470	shale	2518
lime	1480	lime	2530
shale	1485	shale	2585
lime	1500	lime	2605
red rock	1510	shale	2620
lime	1520	lime	2645
shale	1530	shale	2658
lime	1535	lime	2790
red rock	1545	shale	2798
blue shale	1565	lime	2905
lime	1575	shale	2915
blue shale	1600	lime	2930
lime	1642	red rock	2931
red rock	1670	shale	2955
lime	1780	lime	2980
shale	1825	shale	2985
lime	1860	lime	3085
sdv shale	1865	shale	3095
lime	1885	lime	3135
red rock	1895	shale	3140
lime	1910	lime	3205
red rock	1920	shale	3210
lime	1925	lime	3257
red rock	1935	shale	3262
lime	1965	lime	3270
shale	1970	green shale	3277
lime	1990	sand	3280
red rock	2015	lime	3292
lime	2055	Total Depth	

Tops:
Anhydrite 765
Gorham Sand 3277
Arbuckle 3280

Wtr. Record:

1 BW - 185
HFW - 230-40
2 BW - 635
7 BW - 2020-30
HFW - 2950-2960
1 BW - 2870-2380
1/2 BW - 3069
1BWH - 3085
1BWH - 3105
HFW - 3292

Show Gas - 2950
Show Oil - 3025-30
Show Oil, Gas & Water
@ 3069'.