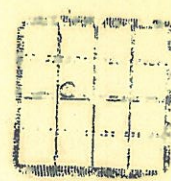


Vpup

WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY
UNION NATIONAL BANK BLDG., WICHITA, KANSAS.

21474

Location SW SE NW Sec. 16 T. 25SR.1E
990' W & 330' N Center
Casing Record 10" 1963' Farm- Earl Black No. 1
20" 45' 8 1/2" 2675' 6" Company- Marland Production Co.
15 1/2" 267' 2" 65/8" 2984' Contr.-
12 1/2" 272' 6" 53/16" Comm.- 5-11-29 Comp.- 6-28-29
Total Depth 3012' Shot Quarts Between
Correspondence Regarding This Well Should Be Referred to



Figures Indicate Bottom of Formations. Initial Production 117 bbls.
Date Issued. 8-10-29 in 11 1/2 hrs.

Formation	Depth	Formation	Depth
quick sand	3	blue slate	1510
blue slate	175	lime	1514
lime	185	blue shale	1565
blue slate	255	lime	1625
lime	269	blue slate	1675
blue slate	273	lime	1738
lime	282	blue slate	1745
blue slate	285	wtr sand	1758
lime & blue slate	372	5 BWPH 1745' to 1758'	
lime	391	blue slate	1772
blue slate	400	lime	1804
lime	406	blue slate	1808
red rock	420	lime	1830
blue slate	434	blue slate	1855
wh. shale	570	lime	1965
sdv shale	660	HFV 1930' to 1935'	
1 BWPH 578' to 583'		blue slate	1968
lime	670	lime	1970
blue slate	700	slate	1925
lime	725	lime	1990
blue slate	745	blue slate	2021
1 BWPH 725' to 730'		wh lime	2050
red rock	751	blue slate	2070
lime	754	lime	2085
blue slate	786	blue slate	2101
lime	790	lime	209
blue slate	820	blue slate	2250
lime	830	lime	2254
blue slate	980	blue slate	2257
sdv lime	1010	lime	2281
4 BWPH 980' to 985'		blue slate	2315
blue slate	1047	lime	2485
lime	1051	6 BWPH 2360' to 2375'	
blue slate	1072	blue slate	2514
lime	1093	lime	2724
wh slate	1120	3 BWPH & showing of	
lime	1125	oil at 2535' to 2540'.	
blue slate	1153	First oil and gas at 2723'	
red rock	1163	blue slate	2766
blue slate	1176	lime	2768
red rock	1190	blue slate	2792
blue slate	1240	wh lime	2833
2 BWPH 1240' to 1245'		blue slate	2885
sdv lime	1245	wh lime	2896
blue slate	1264	lime	2977
lime	1266	chatt	3012
blue slate	1295	TD	3012
lime	1300		
blue slate	1303		
lime	1335		
3 BWPH 1310' to 1315'			
blue slate	1387		
lime	1415		
blue slate	1435		
lime	1503		

SAND RECORD

Chatt 2977' to 3012'
Big Pay 3009' to 3012'