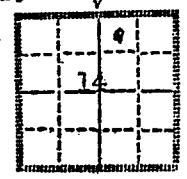


460 FNL

14-22 SEP 10 1917

20" 10' 954 FARM Fromm NO. 17 COUNTY Greenwood
 15 1-2 8 1-4 1574 COMPANY Empire Oil & Refining Co. *Plotted Green*
 12 1-2 558 6 5-8 1855 CONTRACTOR
 5 3-16 COMMENCED 7-11-27. COMPLETED 8-1-27.
 TOTAL DEPTH 1890'. SHOT QUARTS BETWEEN



CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO Empire Gas & Fuel Co.,
 Oil Hill, Kansas. ELEVATION

FIGURES INDICATE BOTTOM OF FORMATIONS.
 REMARKS 9-10-27.

INITIAL PRODUCTION 7 1/2 oil

Formation	Depth	Formation	Depth
soil	10	lime	1370
lime	15	shale	1490
shale	20	lime	1495
lime	25	shale	1518
shale	70	lime	1530
lime	75	shale	1534
shale	100	sandy shale	1572
lime	105	lime	1578
shale	170	shale	1615
lime	180	lime	1620
shale	185	shale	1640
lime	200	lime	1650
shale	275	shale	1842
lime	305	sandy shale T. S.	1847
shale	316	sand	1890
lime	325		
shale	335	Total Depth	1890'
sand 1 1/2 BW 335-45	345		
shale	428	Shot oil 1847 to 55'	
lime	438	Free oil 1855-90'.	
shale	455		
lime	463		
shale	495		
lime	500		
shale	563		
lime	570		
shale	580		
lime	620		
shale	625		
lime	655		
shale	785		
lime	795		
shale	820		
sand HFW 820	860		
sandy shale	895		
shale	920		
lime	930		
shale	938		
lime	945		
shale	950		
lime	1085		
shale	1195		
1 1/8 BW 1050-1055'			
lime	1210		
shale	1215		
lime 2 1/2 BW 1275'	1345		
shale	1350		