

29-16-11W

DERBY OIL CO.
 Esfeld No. 4.

Plotted by **Texaco S. Co.**
 SEC. 29 T. 16 R. 11W
 SW NW NW

Total Depth. 3333'
 Comm. 8-21-40 Comp. 9-14-40
 Shot or Treated.
 Contractor. Crow Drlg. Co.
 Issued. 12-14-40 Rotary 3325
 Cable 3333

County. Barton



CASING:
 7 " 567'
 4 1/2" 3324'

Elevation.

Production. Pot. 214 B.
 No wtr

Figures Indicate Bottom of Formations.

clay	37	Fair saturation &
shale & shells	290	porosity 2886-95 (in Topoka)
sand	341	Douglas sand 2986-3000
red rock	352	fine angular sand-fair to
shale & shells	572	good saturation
red beds	738	Top Lansing 3057
lime	764	wtr & sl. oil stain 3059-61,
shale	840	3066-68, and 3087-91
shale & shells	1180	porous oolitic ls. 3136-63
shale & salt	1236	and 3170-74 wtr stain, sl. oil
salt	1392	stain near top of each zone
shale	1419	Top Quartzitic sand 3324
lime	1510	
lime brkn	1530	Note: All measurements
shale & lime strks	1585	derrick floor
lime	1620	
shale	1723	
lime	1725	
shale	1809	
lime	1829	
shale & lime strks	1845	
cherty sdy lime	1862	
shale & lime strks	1885	
lime	1954	
shale & lime	2052	
lime	2130	
shale	2207	
shale & lime	2485	
lime	2512	
lime brkn	2537	
shale	2549	
lime	2572	
shale	2616	
shale & lime strks	2635	
lime brkn	2644	
shale	2722	
lime cherty	2735	
lime	2816	
shale & lime	2850	
lime brkn	2900	
lime	2990	
lime & shale strks	3070	
lime	3323	
sand	3325	
T.D. rotary	3325	
sand	3333	
Total Depth.		

Cable tools:
 D.P. to 3325
 760' oil 45 min.
 D.D. to 3328
 2100' oil 3 3/4 hrs
 D.D. to 3333 T.D.
 2700' oil 12hrs
 Swabbed 12 BOPH off btm,
 no wtr