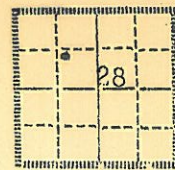


10"
20" 8 1-4
15 1-2 6 5-8
12 1-2 5 3-16

FARM Caldwell
COMPANY Barnsdall Oil Co.
CONTRACTOR
COMMENCED

NO. 12 COUNTY Cowley

21293



TOTAL DEPTH SHOT 5 QUARTS BETWEEN COMPLETED

CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO Barnsdall Oil Co.,
Winfield, Kansas. ELEVATION

FIGURES INDICATE BOTTOM OF FORMATIONS.
REMARKS

INITIAL PRODUCTION 40 bbls.

Formation	Depth	Formation	Depth	Formation	Depth
sand	40	lime	1015	shale	2490
shale	52	shale	1025	lime	2498
lime	56	lime	1036	shale	2605
lime	90	shale	1066	lime	2665
shale	100	lime	1076	shale	2700
lime	106	shale	1097	sand	2740
shale	115	lime	1155	shale	2795
lime	149	shale	1166	lime	2895
lime	160	lime	1188	shale	2897
shale	170	shale	1203	lime	2911
lime	175	lime	1233	shale	2985
shale	220	shale	1285	lime	3010
lime	228	lime	1292	shale	3020
shale	233	shale	1310	lime	3028
lime	285	lime	1345	shale	3040
shale	300	shale	1355	lime	3075
lime	330	lime	1365	shale	3079
shale	335	shale	1427	lime	3100
lime	350	lime	1429	shale	3221
shale	355	shale	1459	lime	3225
lime	376	lime	1489	shale	3238
red rock	382	shale	1509	red rock	3240
lime	430	lime	1514	shale	3249
shale	435	shale	1520	sand	3283
red rock	445	lime	1543	TOTAL DEPTH	3283'
lime	465	shale	1612	INITIAL PRODUCTION	40 bbls.
shale	470	lime	1658		
lime	479	shale	1670		
shale	482	limestone	1672	Formation	3283
lime	494	shale	1676	shale	2490
shale	497	lime	1685	lime	2498
lime	521	sand water	1730	shale	2605
shale	524	lime	1755	lime	2665
lime	560	sand water	1765	shale	2700
red rock	568	shale	1780	sand	2740
shale	574	lime	1785	shale	2795
lime	584	shale	1830	lime	2895
red rock	614	lime	1850	shale	2897
shale	639	shale	1870	lime	2911
lime	665	lime	1873	shale	2985
shale	675	shale	1893	lime	3010
lime	695	red rock	1913	shale	3020
red rock	705	lime	1927	lime	3028
lime	733	shale	1931	shale	3040
shale	740	shale	1939	lime	3075
lime	760	lime	1945	shale	3079
shale	772	shale	1996	lime	3100
lime	792	lime	2002	shale	3221
shale	828	shale	2147	lime	3225
lime	830	lime	2151	shale	3238
shale	865	shale	2200	red rock	3240
lime	883	sand	2221	shale	3249
shale	903	shale	2265	TOTAL DEPTH	3283'
lime	913	sand	2305	INITIAL PRODUCTION	40 bbls.
shale	950	lime	2312		
lime	958	shale	2325		
shale	962	lime	2330		
lime	975	shale	2395		
shale	985	lime	2408		
lime	990	shale	2420		
shale	994	sand	2447		