

#1 Knollenberg, 18-29-4, Butler County, Kansas, drilled by the Richmond Drilling Co., for the Mid-Kansas Oil Co., spudding commenced August 8, 1916, well completed September 18, 1916.

Soil	Black		5	to	
Shale	Blue	Soft	5		40
Gravel	Blue	"	40		45
Lime	White	Hard	45		75
Shale	Red	Soft	75		82
Shale	Blue	"	82		92
Lime	White	Hard	92		112
Shale	Red	Soft	112		118
Lime	White	Hard	118		138
Shale	Blue	Soft	138		178
Lime	White	Hard	178		203
Shale	Blue	Soft	203		223
Lime	White	Hard	223		243
Shale	Blue	Soft	243		250
Lime	White	Hard	250		255
Shale	Blue	Soft	255		275
Lime	White	Hard	275		285
Shale	Blue	Soft	285		310
Lime	White	Hard	310		320
Shale	Black	Soft	320		330
Sand	White	"	330		350
Shale	White	"	350		355
Shale	Red	"	355		360
Shale	Blue	"	360		375
Lime	White	Hard	375		390
Shale	Blue	Soft	390		463
Lime	White	Hard	463		483
Lime	Blue	"	483		485
Lime	White	"	485		500
Lime	Gray	"	500		510
Shale	Blue	Soft	510		515
Lime	White	Hard	515		520
Shale	Blue	Soft	520		525
Shale	White	"	525		575
Shale	Blue	"	575		635
Shale	Red	"	635		645
Shale	Blue	"	645		745
Lime	White	Hard	745		747
Shale	Blue	Soft	747		790
Lime	White	Hard	790		800
Shale	White	Soft	800		835
Lime	White	Hard	835		875
Shale	Blue	Soft	875		1020
Lime	White	Hard	1020		1080
Shale	Blue	Soft	1080		1172
Lime	White	Hard	1172		1248
Shale	Blue	Soft	1248		1325
Lime	Gray	Hard	1325		1335
Shale	Blue	Soft	1335		1348
Lime	Gray	Hard	1348		1400
Shale	Black	Soft	1400		1450
Lime	White	Hard	1450		1465
Shale	Blue	Soft	1465		1500
Lime	White	Hard	1500		1548
Shale	Black	Soft	1548		1590
Lime	White	Hard	1590		1625
Shale	Black	Soft	1625		1760
Shale	White	"	1760		1805
Lime	White	Hard	1805		1842
Slate	White	Soft	1842		1863
Sandy Lime	Gray	Hard	1863		1879

Hole full w

Cave

Small show o

Pay

Casing record

15 inch -	42
12-1/2	359
10	1175
8	1635
6-5/8	1865

4-1/2 bailers oil per hour
at two feet in

Copied 11/17/17 (191)

COMPLETED

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#1 Knollenberg, 18-29-4 Butler County, Kansas, Drilled by the Richmond Drilling Co., for the Mid-Kansas Oil Co., spudding commenced August 8, 1916, well completed Sept. 18, 1916.

This is a small producer in the shallow sand just NW of Douglas

Strate	Color		From	To	Remarks
soil	black	soft	0	5	
shale	blue	"	5	40	
gravel	blue	"	40	45	
lime	white	hard	45	75	
shale	red	soft	75	82	72118
shale	blue	"	82	92	
lime	white	hard	92	112	
shale	red	soft	112	118	
lime	white	hard	118	138	
shale	blue	soft	138	178	
lime	white	hard	178	203	
shale	blue	soft	203	223	
lime	white	hard	223	224	
shale	blue	soft	243	250	
lime	white	hard	250	255	
shale	blue	soft	255	275	
lime	white	hard	275	285	
shale	blue	soft	285	310	
lime	white	hard	310	320	
shale	black	soft	320	330	
sand	white	"	330	350	hole full of water
shale	white	"	350	355	
shale	red	"	355	360	
shald	blue	"	360	375	
lime	white	hard	375	390	
shale	blue	soft	390	463	
lime	white	hard	463	484	
lime	white	hard	485	500	
lime	gray	hard	500	510	
shale	blue	soft	510	515	
lime	white	hard	515	520	
shale	blue	soft	520	525	
shale	white	"	525	575	
shald	blue	"	575	635	
shale	red	"	635	645	
shald	blue	"	645	745	
lime	white	hard	745	747	
shald	blue	soft	747	790	
lime	white	hard	790	800	
shald	white	soft	800	835	
lime	white	hard	835	875	
shald	blue	soft	875	1020	
lime	blue	hard	1020	1080	
shald	blue	soft	1080	1172	
lime	white	hard	1172	1248	
shale	blue	soft	1248	1225	
lime	gray	hard	1325	1335	
shale	blue	soft	1335	1348	
lime	gray	hard	1348	1400	
shald	black	soft	1400	1450	
lime	white	hard	1450	1465	
shald	blue	soft	1465	1500	
lime	white	hard	1500	1548	
shale	black	soft	1548	1590	cave
lime	white	hard	1590	1625	
shald	black	soft	1626	1760	
shald	white	"	1760	1805	
lime	white	hard	1805	1842	small showing
slate	white	soft	1842	1863	
sandy limd	gray	hard	1863	1879	pay

Casing Record

15 inch	252	42
12 1/2	1175	1359
10	1863	1175
8 5/8		1865
8		1636

From Derby Oil Co