

# 48

LEASE NAME Knabe A OPERATOR KANSAS Exploration START DATE: Feb 02, 2012  
 WELL # KR 8 LOCATION: \_\_\_\_\_ API # \_\_\_\_\_  
 SURFACE PIPE: 7" Ft 20 Cement(#bags) 5 Circulated  
 PRODUCTION: \_\_\_\_\_ PIPE: 2 1/2 SIZE: 722 #FT \_\_\_\_\_

Thickness	Formation	Comment	Depth	Thickness	Formation	Comment	Depth
6	Clay		6	4	SAND	BRK	690
6	Lime		12	54	Shale		744
11	Shale		23			TD 744	
13	Lime		36				
27	Shale		63				
73	Lime		136				
35	Shale		171				
8	Lime		179				
20	Shale		199				
5	Lime		204				
6	Shale		210				
8	Lime		218				
30	Shale		248				
2	Lime		250				
8	Shale		258				
29	Lime		287				
9	Shale		296				
20	Lime		316				
5	Shale		321				
5	Lime		326				
4	Shale		330				
7	Lime		337				
175	Shale		512				
10	Lime		522				
8	Shale		530				
7	Lime		537				
17	Shale		554				
3	Lime		557				
16	Shale		573				
2	Lime		575				
83	Shale		658				
1	Lime		659				
21	Shale		680				
8	Shale		688				
8	SAND		686				