

This document is attributed to the 'Dudley #1' well located in Section 9, T11S, R08W. Insufficient document information prevents an exact determination being made.

WWSL 27 Nov 2012

GEOLOGICAL DEPARTMENT  
SOUTHWESTERN GAS COMPANY  
INDEPENDENCE, KANSAS

LOG OF WELL

Company National Refg. Co. Farm \_\_\_\_\_ Well No. \_\_\_\_\_  
 State Kansas County Lincoln S. 9 T. 11 R. 8 W  
 Commenced Drilling \_\_\_\_\_ Completed \_\_\_\_\_ Elev. 1610 (?)  
 Shot \_\_\_\_\_ Qts. from \_\_\_\_\_ to \_\_\_\_\_ I. P. \_\_\_\_\_ R. P. \_\_\_\_\_  
 Casing: \_\_\_\_\_ Casing: \_\_\_\_\_ Casing: \_\_\_\_\_  
 Casing: \_\_\_\_\_ Casing: \_\_\_\_\_ Casing: \_\_\_\_\_  
 Tubing \_\_\_\_\_ Caged at \_\_\_\_\_ Packer at \_\_\_\_\_  
 Contractor \_\_\_\_\_

soil & shale	100		
shale	160		
sand	350	shale	2390
shale	370	lime	2420
sand	500	shale	2430
shale	590	lime & shale	2520
gypsum & salt	600	shale	2550
shale	670	lime	2610
gypsum & salt	720	shale	2620
shale	930	broken lime & shale	2630
salt	985		2630
sand	990	sand	2640
gypsum	1030	shale	2690
shale	1060	broken lime & shale	2770
gypsum	1150		2800
shale	1195	shale	2800
gypsum	1200	broken lime & shale	2830
shale	1300		2830
broken lime	1330	lime	2860
shale traces of gypsum	1360	shale	2870
		broken lime & shale	2890
lime & shale	1520		2990
shale	1600	lime shale	3000
lime & shale	1790	lime	3030
shale	1820	shale	3040
lime & shale	1870	broken lime & shale	3060
shale	2000		3060
broken lime & shale		shale	3070
	2100	lime	3110
shale	2110	shale	3150
lime	2120	lime	3160
shale	2230	shale	3220
broken lime & shale		lime	3240
	2270	shale	3380
shale	2300	sand	3400 NW
lime	2310		
shale	2330		
broken lime & shale	2370		

Later continued to 2460

LOCATION

				..... Ft. from North Line of qr. sec.
				..... Ft. from South Line of qr. sec.
				..... Ft. from East Line of qr. sec.
				..... Ft. from West Line of qr. sec.

TEST

Through	Pilot Tube Test of ..... 192 .....			..... 192 .....
..... In. Tubing	Used	Mercury	Water	Open Gauge Test Shows
	Reading			
..... In. Casing	Vol. Cu. Ft.			..... Lbs.