

Oswald #1
Russell County

Russell County - Kansas

Oswald #1 - Valerius Oil & Gas Company

S. 8 - T. 12S - R. 15W

Formation	Thickness	Depth	Remarks
Soft yellow shale	15	0 - 15	
Soft brown shale	145	15-160	
Soft gray shale	20	160-180	
Soft blue shale	35	180-215	
Soft red rock	42	215-257	
Soft brown sand	6	257-263	Hole full of
Soft red rock	47	263-310	fresh water
Soft brown sand	62	310-372	
Soft red quick sand	8	372-380	151" - 391'
Soft light sand	20	380-400	Base Dakota
Soft blue shale	30	400-430	
Soft black shale	90	430-520	
Soft blue shale	10	520-530	
Soft light shale	10	530-540	
Soft light water sand	8	540-548	
Soft light shale	12	548-560	
Soft red rock	95	560-655	121 1/2 - 645'
Soft red sand	25	655-680	Hole full of
Soft red shale	220	680-900	salt water.
Hard gray lime	50	900-950	121 1/2 set at 901
Soft red rock	105	950-1055	underreamed
Soft brown shale	45	1055-1100	
Soft red rock	80	1100-1180	
Soft blue shale	105	1180-1285	
Soft light salt	230	1285-1515	10 in 1535
Soft gray shale	30	1515-1545	
Hard white lime	40	1545-1585	
Soft blue shale	30	1585-1615	
Hard white lime	10	1615-1625	
Soft blue shale	10	1625-1635	
Hard white lime	15	1635-1650	
Soft gray sandy shale	5	1650-1655	
Soft red rock	25	1655-1680	
Hard gray lime	20	1680-1700	
Soft blue shale	35	1700-1735	
Hard light lime	15	1735-1750	
Soft red rock	30	1750-1780	
Hard white lime	125	1780-1905	
Soft red rock	10	1905-1915	
Hard gray lime	10	1915-1925	
Soft gray shale	25	1925-1950	
Hard dark lime	20	1950-1970	
Soft red shale	15	1970-1985	
Hard white lime	25	1985-2010	
Soft blue shale	60	2010-2070	
Hard white lime	30	2070-2100	

(2)

Formation	Thickness	Depth	Remarks
Soft red rock	62	2100-2162	
Soft dark sand	10	2162-2172	Some gas at 2165
Soft blue shale	38	2172-2210	Setting 8 $\frac{1}{4}$ at 2195
Soft light shale	60	2210-2270	Underreamed pipe 2296
Hard light lime	5	2270-2275	bad cave
Soft light shale	10	2275-2285	
Hard light lime	15	2285-2300	
Soft blue shale	180	2300-2480	
Medium light lime	15	2480-2495	
Soft blue shale	25	2495-2520	Oil at 2520
Soft dark sand	3	2520-2523	8 $\frac{1}{4}$ under-reamed to 2565
Soft blue shale	113	2523-2635	3 bailers water
Soft dark sand	4	2635-2639	Set 6"-2700'
Soft blue shale	114	2639-2753	Little gas-2710
Hard white lime	42	2753-2795	(good showing
Soft dark sand	7	2795-2802	oil - Water
Hard white lime	73	2802-2875	
Soft dark lime	5	2875-2880	
Soft light sand	55	2880-2935	
Soft black shale	5	2935-2940	
Soft light shale	5	2940-2945	10 bbls. good showing 28 gravity oil.
Soft light lime and sand	15	2945-2960	
Soft reddish brown shale	28	2960-2998	
Soft reddish brown shale	10	2998-2998	Top sand (3'in pay 3001')

Total - 3002'

2998 - 3002