

Lincoln County-Kansas

National Refining Co.

Sec. 9 - Twp. 11 - Range 8 West -

Total Depth - 3460'
Altitude - 1610. (?)

Formation	Thickness	Depth	Remarks
Soil and shale	100	0 -100	
Shale	60	100-160	
Sandstone	190	160-350	
Shale	20	350-370	
Sandstone	130	370-500	
Shale	90	500-590	
Gypsum and salt	10	590-600	
Shale	70	600-670	
Gypsum and salt	50	670-720	
Shale	210	720-930	
Salt	55	930-985	
Sandstone	5	985-990	
Gypsum	40	990-1030	
Shale	30	1030-1060	
Gypsum	90	1060-1150	
Shale	45	1150-1195	
Gypsum	5	1195-1200	
Shale	100	1200-1300	
Broken limestone	30	1300-1330	Abilene ?
Shale, traces of gypsum	50	1330-1380	
Lime and shale	140	1380-1520	
Shale	80	1520-1600	
Limestone and shale	190	1600-1790	
Shale	30	1790-1820	
Limestone and shale	50	1820-1870	Cottonwood ?
Shale	130	1870-2000	
Broken lime and shale	100	2000-2100	
Limestone	10	2100-2110	
Shale	10	2110-2120	
Shale	110	2120-2230	
Broken shale and limestone	40	2230-2270	
Shale	30	2270-2300	
Limestone	10	2300-2310	
Shale	20	2310-2330	
Broken limestone and shale	40	2330-2370	
Shale	20	2370-2390	
Limestone	30	2390-2420	
Shale	10	2420-2430	
Limestone and shale	90	2430-2520	
Shale	30	2520-2550	
Limestone	60	2550-2610	
Shale	10	2610-2620	
Broken limestone and shale	10	2620-2630	

(2)

Formation	Thickness	Depth	Remarks
Sandstone	10	2630-2640	
Shale	50	2640-2690	
Broken limestone and shale	80	2690-2770	
Shale	30	2770-2800	
Broken limestone and shale	20	2800-2820	
Sandstone	10	2820-2830	
Limestone	30	2830-2860	
Shale	10	2860-2870	
Broken limestone and shale	20	2870-2890	
Limestone with thin shale partings	210	2890-3000	
Limestone	30	3000-3030	
Shale	10	3030-3040	
Broken limestone and shale	20	3040-3060	
Shale	10	3060-3070	
Limestone	40	3070-3110	
Shale	40	3110-3150	
Limestone	10	3150-3160	
Shale	60	3160-3220	
Limestone	20	3220-3240	
Shale	140	3240-3380	
Sandstone	20	3380-3400	

Hole full
of water

Later continued to

3460