

Olson Oil Company
 #1 S. E. Fowler
 Cen SW 26- 27S- 22W
Ford County, Kansas

Elev. 2419
 T.D. 5907

From To

500	TOP PERMIAN
500 590	Shale, bright red
590	TOP BLAINE
590 640	Shale, bright red, and gypsum, interbedded
640 650	Gypsum
650 660	Dolomite, gypsiferous
660 675	Shale, dolomitic, red
675 685	Gypsum, dolomitic
685	BASE BLAINE
685 725	Argillite, brick red
725 735	Gyp, fibrous, and brick-red argillite
735 770	Argillite as above
770 775	Dolomite, buff, sucrose
775 780	Gyp and red argillite
780 790	Gypsum
790 810	Gyp and red argillite
810 815	Dolomite, white, finely sucrose
815 825	Anhydrite
825 830	Dolomite as above
830 850	Argillite, brick red
850 870	Argillite and anhydrite
870 980	Argillite, brick red
980 990	Salt and anhydrite
990 1010	Argillite, brick red
1010 1060	Salt casts in gypsum and red shale
1060 1070	Sandstone, coarse round and polished, free
1070 1085	Salt casts as above
1085 1090	Dolomite, white, finely sucrose
1090 1095	Sand, coarse, round and polished, free
1095 1105	Salt casts and gyp
1105 1110	Coarse sandstone, as above
1110 1130	Shale, red, with green eyes
1130 1140	Shale, red
1140 1160	Salt casts in gyp
1160 1210	Shale, red, and fibrous gyp stringers
1210 1260	Sand, free, round and frosted
1260 1270	Gyp, fibrous
1270 1300	Shale, bright red
1300 1320	Gyp, fibrous, and bright-red shale
1320 1330	Sandstone, medium grained, calcareous
1330 1350	Shale, bright red
1350 1360	Gyp
1360 1380	Salt casts
1380 1400	Grit, red; and fibrous gyp
1400 1450	Grit, red
1450	TOP CIMARRON ANHYDRITE
1450 1480	Anhydrite, white, granular
1480	BASE CIMARRON ANHYDRITE
1480 1500	Anhydrite, porous, dolocastic; and anhydritic dolomite
1500 1515	Dolomite, light buff, dense, partly dolocastic
1515 1520	Shale, pinkish red
1520 1540	Anhydrite, dolomitic
1540 1560	Shale, pink and gray
1560 1562	Gyp, fibrous
1562 1570	Shale, bright red
1570 1590	Salt casts in anhydrite
1590 1600	Anhydrite and red shale
1600 1625	Salt casts in red shale

From To

1625	1630	Anhydrite
1630	1650	Shale, dark and light red, with green eyes
1650	1670	Shale, dark and light red
1670	1680	Shale, light red, with green eyes; and fibrous gyp
1680	1695	Shale, dark and light red
1695	1710	Gyp, fibrous
1710	1720	Dolomite, dense, buff
1720	1790	Shale, dark and light red; some fibrous gyp
1790	1808	Mudstones, greenish, dolomitic
1808	1810	Gyp, fibrous
1810	1820	Shale, red and maroon
1820	1830	Shale as above; and fibrous gyp
1830	1832	Dolomite, dense, buff
1832	1840	Shale, dark red, with green eyes
1840	1853	Mudstone, dolomitic, greenish
1853		BASE ENID
		BASE CIMARRON GROUP
		TOP WELLINGTON
1853	1890	Mudstones, grayish green, and argillite
1890	1892	Gyp, fibrous
1892	1900	Grayish-green mudstones as above
1900	1910	Salt
1910	1915	Dolomite, cream
1915	1940	Shale, mottled red and green; some fibrous gyp
1940	1950	Salt
1950	1960	Gyp and gray-green argillite
1960	1970	Anhydrite
1970	1990	Dolomite, light gray, argillaceous; and pale-green mudstone
1990	1993	Dolomite, cream
1993	2013	Anhydrite
2013		TOP WELLINGTON SALT
2013	2110	Salt
2110	2130	Anhydrite; red and gray argillite
2130	2150	Salt
2150	2155	Limestone, dense, buff, finely oolitic
2155	2170	Anhydrite
2170	2360	Salt; occasional anhydrite stringers
2360	2370	Mudstone, pale green, argillaceous
2370	2380	Argillite as above, and anhydrite
2380	2390	Salt
2390		BASE WELLINGTON SALT
2390	2440	Argillite, pale green; and anhydrite layers
2440	2455	Anhydrite
2455	2460	Dolomite, cream, granular
2460	2470	Anhydrite
2470	2485	Dolomite, gray green, shaly
2485	2490	Anhydrite
2490	2500	Shale, reddish brown
2500	2540	Shale, reddish brown and gray; anhydrite stringers
2540	2550	Shale, grayish green and red brown, laminated
2550	2570	Dolomite, grayish buff, dense, speckled, shaly
2570		TOP HOLLENBERG ?
2570	2580	Argillite, red and gray; and anhydrite
2580	2595	Anhydrite, gray and pink
2595	2610	Shale, red and grayish green
2610	2615	Anhydrite
2615	2620	Chert, white, translucent, in grayish-green shale
2620	2630	Dolomite, brown crystalline and finely granular
2630	2635	Shale, reddish brown and gray green
2635	2640	Shale, black
2640		TOP HERINGTON ?
2640	2680	Dolomite, dense, buff; and gray vitreous opaque chert

From To

2680	2708	Dolomite, buff, granular, oolitic; gray vitreous opaque chert
2708	2720	Shale, reddish brown
2720	2725	Shale, gray, dolomitic
2725	2730	Dolomite, gray, buff, granular, porous
2730	2750	Dolomite, gray, buff, granular, porous, shaly
2750		TOP WINFIELD ?
2750	2770	Dolomite, cream, sucrose; gray-buff subopaque chert
2770	2805	Shale, reddish brown, maroon and gray green
2805		TOP FT. RILEY
2805	2810	Dolomite, buff, sucrose; gray vitreous opaque chert
2810	2850	Dolomite, buff, limy, fossiliferous; dull gray and earthy-looking; with a few brownish-red shale partings; ostracod, bryozoa and crinoid
2850	2860	Dolomite, dark buff, granular, very finely oolitic
2860	2863	Anhydrite
2863	2880	Dolomite, buff, limy, earthy
2880	2890	Shale, reddish brown and gray green
2890		TOP FLORENCE
2890	2900	Dolomite, light gray, chalky, limy
2900	2935	Limy dolomite as above, with gray vitreous, finely mottled, chert
2935		BASE FLORENCE
2935	2945	Shale, reddish brown
2945	2950	Shale, gray
2950	2970	Limestone, cream, chalky; dark-gray vitreous fossil chert
2970	2977	Limestone, gray, earthy, black, mottled
2977	2980	Shale, red brown
2980		TOP WRENFORD ?
2980	2990	Limestone, cream, chalky, dense
2990	3017	Limestone, cream, chalky, dense; gray-white fossiliferous chert, with fusulinids
3017		BASE WRENFORD ?
3017	3020	Shale, reddish brown
3020	3040	Limestone, buff, finely crystalline
3040	3043	Shale, reddish brown
3043	3070	Limestone, chalky, buff, finely oolitic
3070	3075	Shale, reddish brown
3075	3100	Limestone, buff, finely oolitic, porous
3100	3120	Limestone, pinkish red, crystalline, some dense buff
3120	3123	Shale, reddish brown
3123	3130	Limestone, light buff, earthy
3130	3137	Limestone, gray, earthy, fossiliferous
3137	3140	Shale, brown
3140		TOP COTTONWOOD
3140	3150	Limestone, gray, earthy, fossiliferous; dark-gray fossiliferous, mottled chert
3150	3180	Limestone, grayish white, chalky; weathered fusulinids
3180	3200	Limestone, dense buff; few reddish-brown shale stringers
3200	3210	Shale, gray green and red brown
3210		TOP NEVA
3210	3230	Limestone, buff, coarsely and finely oolitic
3230	3240	Limestone, creamy buff, finely crystalline to earthy, oolitic
3240	3247	Shale, gray, marly
3247	3253	Shale, reddish brown
3253	3260	Limestone, gray, chalky, fossiliferous
3260	3290	Limestone, gray, marly; and dark-gray shale
3290	3300	Limestone, gray, earthy
3300	3320	Limestone, gray white and black mottled; and vitreous opaque chert, with round black fusulinids

From To

3320	3330	Limestone, light buff, earthy
3330	3350	Shale, grayish green and gray
3350	3360	Limestone, gray and black mottled, fossiliferous; fusulinid
3360	3363	Shale, gray
3363	3370	Limestone, cream, chalky, dense; small fusulinid
3370		TOP FORAKER
3370	3380	Limestone, grayish green, dense, marly
3380	3390	As above, with some buff mottled black and white chert
3390		BASE FORAKER
3390	3400	Limestone, cream, chalky to finely granular to sucrose
3400	3410	As above, mottled chert with fusulinids
3410	3415	Shale, gray and gray green
3415	3430	Limestone, buff; and fusulinids
3430	3440	Shale, gray green and dark gray
3440	3460	Limestone, buff, finely crystalline
3460	3475	Shale, gray green and dark gray
3475	3480	Shale, reddish brown
3480	3500	Limestone, buff, finely crystalline and dense
3500	3520	Shale, grayish green, some red brown
3520	3530	Limestone, buff, finely crystalline, fossiliferous; with fusulinid
3530	3540	Shale, maroon and brown
3540		BASE PERMIAN TOP PENNSYLVANIAN
3540	3550	Limestone, cream, finely sucrose
3550	3570	Mudstones, greenish gray
3570	3580	Limestone, cream, finely crystalline, with fusulinids
3580	3590	Shale, gray green and gray
3590	3600	Sand, coarse, worn, in dark-gray shale
3600	3610	Limestone, cream buff, finely sucrose; bryozoans
3610	3620	Limestone, cream to buff, chalky
3620	3630	Shale, grayish green
3630	3635	Sand, free, medium rounded
3635		TOP TOPEKA ? TOP SHAWNEE GROUP ?
3635	3650	Limestone, cream, chalky, finely crystalline to granular
3650	3653	Shale, greenish gray
3653	3680	Limestone, buff, finely crystalline, ^{dolomitic} fossiliferous; crinoids and fusulinids
3680	3700	Limestone, buff, finely crystalline, fossiliferous, faintly oolitic
3700	3705	Shale, gray and gray green
3705	3730	Limestone, buff, finely crystalline, very porous
3730	3735	Shale break as above
3735	3740	Limestone, buff, earthy
3740	3770	Limestone, gray, mottled; and mottled gray chert
3770	3800	Limestone, buff, earthy; and gray speckled chert; plump fusulinid
3800	3810	Shale, dark gray
3810	3830	Limestone, cream, chalky, porous; white vitreous opaque chert
3830	3840	Shale, dark gray
3840	3850	Limestone, cream, lithographic to chalky, porous
3850	3860	Chert, white, vitreous, opaque; and buff finely granular, porous, dolomitic limestone; ostracod
3860	3890	Limestone, cream to buff, chalky to sucrose, porous, dolomitic; buff vitreous opaque chert
3890	3915	Shale, gray green; lime stringers, with fusulinids
3915	3950	Limestone, buff, earthy; buff fossiliferous chert, with fusulinids
3950	3980	Limestone, buff and gray, earthy; buff fossiliferous chert
3980	3990	Limestone, buff, finely granular, porous
3990	4030	Shale, gray green; and lime stringers
4030	4055	Limestone, gray, buff, earthy; embedded fusulinids
4055	4070	Shale as above
4070	4080	Limestone, buff, earthy, finely oolitic
4080	4090	Limestone, cream, chalky, porous, oolitic
4090	4120	Limestone as above, with creamy-white chalcedonic chert
4120	4130	Shale, greenish gray
4130	4155	Limestone, buff, finely crystalline

From To

4155 4170 Shale, greenish gray
 4170 4190 Limestone, cream, dense to chalky, porous, dolomitic; rare nodules of cream chalcedony
 4190 4210 Dolomitic limestone and chalcedony as above, coarsely oolitic, oolitic and doloclastic
 4210 4220 Limestone, dolomitic; white opaque chert, with fusulinids
 4220 4250 Limestone, cream, buff, sucrose, with weathered fusulinids
 4250 4255 Shale, black, humulithic
 4255 4263 Shale, grayish green

4263 BASE ? SHAWNEE GROUP
 TOP ? DOUGLAS and/or PEDEE GROUPS

4263 4273 Limestone, dark buff, earthy
 4273 4280 Shale, greenish gray
 4280 4295 Limestone, creamy buff, finely crystalline to earthy
 4295 4300 Shale, brown, micaceous
 4300 4310 Lime, light buff, crystalline
 4310 4325 Shale, grayish green, little brown
 4325 4335 Limestone, dark buff, finely crystalline to earthy
 4335 4350 Shale, gray green, yellowish green, and brown, micaceous
 4350 4370 As above; some green, mottled, brown shale
 4370 4385 Limestone, buff, medium to finely crystalline; little buff opaque chert
 4385 4410 Shale, gray green, yellowish green, and brown, micaceous
 4410 4425 Limestone, buff, earthy to chalky; little buff opaque chert
 4425 4430 Shale as above
 4430 4440 Limestone, brown, resinous
 4440 4455 Limestone, dark buff, finely crystalline
 4455 4460 Shale as above
 4460 4470 Limestone, grayish buff, earthy
 4470 4480 Sandstone, porous, cream, round and frosted; green and yellowish-green shale

4480 BASE DOUGLAS - ^FPEDEE
 TOP LANSING-KANSAS CITY GROUPS

4480 4485 Sandstone, free, coarse, round and frosted
 4485 4520 Limestone, cream, chalky to finely granular; white to light gray vitreous chert
 4520 4525 Coarse free worn quartz and feldspar
 4525 4545 Limestone as above; cream and buff vitreous opaque chert
 4545 4550 Shale, grayish green
 4550 4590 Limestone, buff, dolomitic, finely oolitic, with fusulines; some dead oil stain 4570 to 90
 4590 4595 Limestone, buff, granular, very oolitic, porous
 4595 4610 Limestone, cream, coarsely oolitic and oolitic; embedded fossils and fusuline
 4610 4620 Shale, greenish and gray, botanaceous and micaceous
 4620 4630 Limestone, cream and buff, chalky to finely crystalline
 4630 4650 Limestone, buff, granular, coarsely oolitic
 4650 4665 Shale, greenish; embedded fusuline
 4665 4685 Limestone, cream and buff, dense to finely crystalline; buff opaque chert
 4685 4690 Shale, light green
 4690 4700 Limestone as above; blue-gray vitreous subtranslucent chert
 4700 4710 Limestone, buff, finely crystalline; stylolites; chert as above
 4710 4715 Shale, reddish brown
 4715 4730 Limestone, buff, very finely crystalline; chert as above
 4730 4735 Shale, light green
 4735 4745 Limestone, cream, chalky; buff vitreous fossil chert
 4745 4753 Shale, greenish

4753 BASE ? LANSING-KANSAS CITY
 TOP ? DES MOINES

4753 4770 Shale, dark gray; gastropod
 4770 4790 Shale as above; some gray earthy limestone; little black vitreous chert
 4790 4810 Limestone, buff, medium crystalline; dark-buff mottled chert
 4810 4825 Shale, dark gray, some brown
 4825 4845 Limestone, dark buff, finely crystalline to dense; buff mottled chert
 4845 4860 Shale, dark gray, little black
 4860 4875 Limestone, cream to buff, chalky
 4875 4880 Shale, dark gray

From To

4880	4895	Limestone, buff, chalky to dense; cream opaque chert
4895	4930	Shale, dark and medium gray; cherty limestone stringers
4930	4945	Shale, black
4945	4955	Limestone, buff, medium crystalline; embedded fusulinid
4955	4965	Shale, black
4965	4985	Limestone, dark buff, finely crystalline to earthy
4985	4995	Shale, black and some light green
4995	5000	Limestone, dark buff, finely crystalline to earthy; embedded bryozoan
5000	5012	Shale, black
5012	5025	Shale, black; limestone stringer
5025	5042	Shale, some red; and pyrites
5042	5045	Limestone, dark buff, finely crystalline to earthy
5045		TOP SOOY CONGLOMERATE
5045	5055	Shale, variegated; red and other chert; sandstone
5055		BASE SOOY CONGLOMERATE BASE PENNSYLVANIAN TOP MISSISSIPPIAN TOP STE. GENEVIEVE ? MEMBER
5055	5060	Limestone, buff, finely crystalline, oolitic
5060	5070	Limestone, buff, finely crystalline
5070	5080	Limestone, porous, finely glauconitic
5080	5090	Limestone, buff, finely oolitic; less glauconite; stylolites of pale-green shale at base
5090	5100	Limestone as above; little cream mottled chert
5100	5110	Limestone as above, quite cherty; some tripoli
5110	5120	Limestone, glauconitic and oolitic, buff, medium crystalline; fossiliferous chert
5120	5130	Limestone, buff, medium crystalline, fossiliferous and oolitic
5130	5140	Limestone, buff, medium crystalline, oolitic
5140	5155	Limestone as above; buff opaque chert
5155		TOP ST. LOUIS ? MEMBER
5155	5170	Dolomite, buff, finely granular, porous
5170	5195	Limestone, dark buff, coarsely granular, dolomitic
5195	5200	Dolomite, grayish buff, granular, glauconitic
5200	5215	Core of buff, finely granular, porous, glauconitic dolomite; brachiopod cast
5215	5220	Dolomite, buff, finely granular
5220	5230	Limestone, cream, medium crystalline, oolitic
5230	5240	Limestone, cream, medium to coarsely crystalline
5240	5260	Dolomite, cream, granular, porous; little gray-buff spicular chert
5260		TOP SPEROEN ? MEMBER
5260	5270	Limestone, light buff, dense
5270	5300	Dolomite, granular, porous, glauconitic; coarse vein dolomite with Bornite; dark grayish-white spicular chert
5300	5315	Limestone, gray, crystalline to granular to earthy, glauconitic
5315	5325	Limestone, light buff, dense; bluish-gray, spicular chert
5325	5335	Limestone, dense, dark buff
5335	5345	Limestone as above; quartzose chert
5345	5370	Limestone, buff, finely granular; and some dense dark-buff limestone
5370	5395	Dolomite, buff, finely granular; quartzose chert
5395		TOP OSAGE MEMBER
5395	5435	Limestone, buff, granular, dolomitic; white tripolitic chert
5435	5450	Dolomite, buff, granular; chert as above
5450	5460	Limestone, dense, buff, glauconitic; chert as above
5460	5470	Dolomite, cream, finely granular; chert as above
5470	5480	Dolomite, cream, finely granular; some gray-white vitreous milky chert
5480	5490	Limestone, cream, finely granular, dolomitic; and chert as above
5490	5510	Limestone, dense, buff to earthy
5510		BASE ? OSAGE TOP FERN GLEN ?

From To

5510 5520 Limestone, cream, crystalline; white milky chert
5520 5550 Limestone, buff, earthy, glauconitic
5550 5575 Limestone, buff, fine and medium crystalline; white vitreous chert

5575 BASE FERN GLEN ?
NO GILMORE CITY ?
TOP KINDERHOOK ?

5575 5590 Limestone, buff, earthy; gray shale
5590 5600 Limestone, buff, dense; white semi-opaque chert
5600 5615 Limestone, buff, dense; some dark-brown semi-opaque chert
5615 5640 Limestone, dark gray, buff, earthy
5640 5665 Limestone, lighter grayish buff, earthy to dense

5665 TOP "WISENER" ? SAND

5665 5680 Sandstone, very fine, tightly cemented, calcareous and quartzitic

5680 BASE MISSISSIPPIAN
TOP GALENA

5680 5725 Dolomite, cream, very finely sucrose; and white tripolitic chert

5725 BASE GALENA
TOP UPPER ? SIMPSON

5725 5730 Limestone, buff, earthy
5730 5740 Dolomite, greenish white, granular, shaly; and buff opaque mottled chert
5740 5750 Limestone, buff, earthy
5750 5755 Limestone, buff, earthy to granular; little buff opaque mottled chert
5755 5765 Limestone, gray buff, dense
5765 5775 Limestone, gray, buff, dense; and granular dolomite
5775 5800 Dolomite, dark buff, coarsely granular; some free mineral dolomite
5800 5810 Shale, bright green; and cream sandy dolomite
5810 5820 Shale, plastic, maroon and green; little free sandstone
5820 5835 Shale, plastic, green; little free sandstone
5835 5837 Dolomite, buff, finely granular, tripolitic
5837 5855 Sandstone, fine hard; free rounded, frosted, sandstone; earthy limestone; maroon and green plastic shale; phosphatic shell fragments

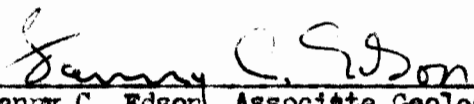
5855 TOP LOWER ? SIMPSON

5855 5865 Dolomite, buff, coarsely granular; tripolitic chert; bright green shale
5865 5870 Limestone, phosphatic; and green shale
5870 5880 Sandstone, round and frosted, cemented with green shale

5880 BASE SIMPSON
TOP ARBUCKLE

5880 5890 Dolomite, weathered tripolitic; and white oolitic chert
5890 5907 Dolomite, buff, granular; some porous; white oolitic chert as above

T.D. 5907


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1943