

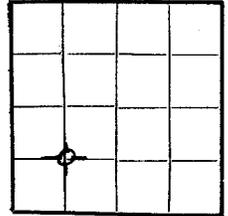
SAMPLE RECORD

State Kansas Co. Seward Farm Hitch No. 1 Sec. 33 Twp. 32 Rge. 34W

Location Con SW 1/4

Company T. Vickers Date Drilled _____

Elevation 2890 Total Depth 4037



~~Determination by Mr. Roth~~

Dog Creek

450-630 Soft red shale
 630-757 " " " , gypsum crystals
 757-767 " " " " "
 767-928 " " " , little green shale
 928-935 Fine angular to rounded sand, red shale, gypsum crystals
 935-953 Red shale, fine angular sand, gypsum crystals

Blaine

953-960 Red shale, fine angular sand, gypsum crystals
 960-972 Gypsum, fine angular sand
 972-977 Red shale and gypsum
 977-985 Gypsum, fine angular sand
 985-990 Red shale and gypsum
 990-995 Fine angular sand, gypsum
 995-1010 Missing

Esid

1010-1042 Gypsum
 1042-1048 Fine angular sandstone, gypsum
 1048-1140 Fine angular sandstone, red shale
 1140-1195 Red, fine angular sandstone
 1195-1228 Fine angular sandstone
 1228-1306 " " "
 1306-1500 Red fine angular sandstone
 1500-1635 Reddish gypsum, red shale and sand
 1635-1640 Reddish gypsum, red shale and sand
 1640-1675 Red shale and gypsum
 1675-1685 Gypsum, red shale, little fine sand
 1685-1810 Red shale
 1810-1860 Red shale
 1860-1865 Gypsum, fine angular sand
 1865-1870 Red shale
 1870-1880 No sample
 1880-1931 Red shale
 1931-1938 No sample
 1938-2155 Red and green shale
 2155-2210 Gray green shale, red shale cave
 2210-2230 Gypsum
 2230-2260 Gray gypsum and gray shale
 2260-2265 No sample
 2265-2298 Gray gypsum and gray shale
 2298-2319 Slightly sandy gray shale
 2319-2363 Gray gypsum and gray shale
 2363-2395 Gray gypsum and gray shale
 2395-2430 Gray gypsum and greenish gray shale
 2430-2437 Greenish gray shale and gypsum
 2437-2470 White gypsum and greenish gray to dark gray shale
 2470-2495 White gypsum and greenish gray to dark gray shale
 2495-2505 Greenish gray shale, gray gypsum
 2505-2525 Gray gypsum, greenish gray shale
 2525-2530 Gray dolomite, little gray limy shale

Wellington

SAMPLE RECORD

State _____ Co. _____ Farm Hitch No. 1 Sec. 33 Twp. 32 Rge. 34

Location _____

Company _____ Date Drilled _____

Elevation _____ Total Depth _____

- 2530-2547 Gray dolomite, little gray limy shale
- 2547-2590 White gypsum and greenish gray shale
- 2590-2608 Dark gray shale and dolomite
- 2608-2642 Gray earthy gypsum, chert, gray shale
- 2642-2647 No sample
- 2647-2670 Porous dolomite, red shale, chert
- 2670-2715 Red and gray dolomite, red and greenish gray shale
- 2715-2730 Red shale, red and gray dolomite
- 2730-2738 Granular dolomite, red shale
- 2738-2758 Porous granular dolomite
- 2758-2774 Porous granular dolomite, red shale
- 2774-2806 Porous granular dolomite, greenish gray shale
- 2806-2822 Gray crystalline limestone,
- 2822-2849 Gray crystalline limestone and gray chert
- 2849-2857 Gray crystalline limestone, gray chert
- 2857-2866 Gray crystalline limestone, gray chert
- 2866-2873 Red shale, gypsum, green shale
- 2873-2895 Red and green shale, gray limestone and gypsum
- 2895-2920 Red and green shale, gypsum
- 2920-2949 White crystalline limestone, gypsum, red shale
- 2949-2970 Gray chert, gray crystalline ls.
- 2970-2980 Light gray limestone and gray shale
- 2980-2990 Light gray limestone and chert
- 2990-3045 Light gray limestone and red shale
- 3045-3055 Red and green shale
- 3055-3057 Buff crystalline limestone
- 3057-3066 Red and green shale, reddish chert, ls.
- 3066-3076 White and red gypsum, green and red shale
- 3076-3087 Cream colored finely crystalline limestone, gypsum
- 3087-3095 Gray finely crystalline limestone
- 3095-3107 Gray finely crystalline limestone
- 3107-3115 Gray finely crystalline limestone
- 3115-3126 Red and green shale
- 3126-3136 Red and green shale
- 3136-3148 White crystalline ls, chert
- 3148-3160 Gray to buff crystalline limestone
- 3160-3172 Red shale, white crystalline limestone
- 3172-3180 Cream colored crystalline limestone, white chert
- 3180-3187 Cream colored crystalline limestone, white chert
- 3187-3194 Red shale, gray crystalline limestone
- 3194-3200 Cream colored crystalline limestone, white chert
- 3200-3204 Green and red shale
- 3204-3210 Reddish brown shale
- 3210-3217 Buff crystalline limestone
- 3217-3229 Gray shale, buff and gray crystalline limestone
- 3229-3235 Buff and gray arenaceous limestone, gray shale

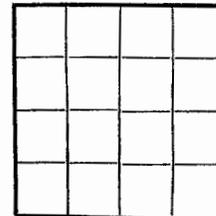
SAMPLE RECORD

State _____ Co. _____ Farm _____ Hitch _____ No. _____ 1Sec. 33 Twp. 32 Rge. 34w

Location _____

Company _____ Date Drilled _____

Elevation _____ Total Depth _____



- 3235-3240 Gray and red shale
- 3240-3248 Buff chert and buff (in part arenaceous) limestone
- 3248-3258 Buff crystalline limestone, buff chert
- 3258-3268 Gray crystalline limestone
- 3268-3278 Dark gray limestone, gray shale
- 3278-3285 " " " " "
- 3285-3296 Dark gray limy shale
- 3296-3306 Hard dark gray limestone, dark chert
- 3306-3316 Dark gray shale
- 3316-3323 Soft cream-colored earthy limestone
- 3323-3326 " " " " "
- 3326-3336 " " " " "
- 3336-3341 " " " " "
- 3341-3364 " " " " "
- 3364-3370 Soft cream colored finely crystalline limestone
- 3370-3375 " " " " "
- 3375-3381 " " " " "
- 3381-3385 " " " " "
- 3385-3390 " " " " "
- 3390-3395 Buff crystalline limestone
- 3395-3400 Greenish gray shale
- 3400-3407 Light gray to cream crystalline ls.
- 3407-3415 Light gray to cream earthy ls.
- 3415-3420 Light gray to cream earthy ls.
- 3420-3425 Brownish mottled earthy limestone
- 3425-3430 " " " " "
- 3430-3435 " " " " "
- 3435-3446 Light gray to cream crystalline limestone
- 3446-3451 Light gray to cream crystalline limestone, sand
- 3451-3458 Light gray to cream crystalline limestone, sand
- 3458-3470 White to cream oolitic limestone
- 3470-3476 Buff coarsely crystalline ls.
- 3476-3480 Gray shale, white crystalline limestone
- 3480-3485 White chalky limestone
- 3485-3490 Buff coarsely crystalline limestone
- 3490-3495 Gray shale
- 3495-3500 Buff coarsely crystalline limestone
- 3500-3509 White and cream crystalline limestone
- 3509-3516 " " " " "
- 3516-3521 " " " " "
- 3521-3524 Buff coarsely crystalline limestone
- 3524-3531 Buff coarsely crystalline limestone
- 3531-3535 Buff coarsely crystalline limestone
- 3535-3541 Reddish brown and green shale
- 3541-3550 Light gray crystalline limestone
- 3550-3554 Light gray crystalline limestone
- 3554-3562 Light gray crystalline limestone

SAMPLE RECORD

State _____ Co. _____ Farm _____ Hitch _____ No. 1 Sec. 33 Twp. 32 Rge. 34w

Location _____

Company _____ Date Drilled _____

Elevation _____ Total Depth _____

- 3562-3568 Reddish brown shale, light gray crystalline limestone
- 3568-3573 Light gray to buff crystalline limestone
- 3573-3577 Light gray to buff crystalline limestone
- 3577-3580 Buff coarsely crystalline limestone
- 3580-3590 Buff coarsely crystalline limestone
- 3590-3596 Cream, chalky and platy limestone
- 3596-3602 Cream, chalky and platy limestone
- 3602-3612 Cream, granular limestone, fossiliferous
- 3612-3622 Cream, granular and porous limestone, fossiliferous
- 3622-3627 Cream, granular and porous limestone
- 3627-3632 " " " " "
- 3632-3640 " " " " "
- 3640-3648 " " " " "
- 3648-3650 Gray finely crystalline limestone
- 3650-3655 Gray green shale, buff crystalline limestone
- 3655-3660 White to buff earthy limestone
- 3660-3665 White to buff earthy limestone
- 3665-3670 Buff porous and granular limestone
- 3670-3674 Buff finely crystalline limestone, chert
- 3674-3679 Buff finely crystalline limestone.
- 3679-3685 Buff coarsely crystalline limestone
- 3685-3690 Fine angular sand, white crystalline ls.
- 3690-3694 Fine angular sand, white crystalline limestone, and chert
- 3694-3699 Fine angular sand, white crystalline limestone, and chert
- 3699-3704 Soft buff crystalline limestone
- 3704-3713 Soft gray crystalline limestone, chert
- 3713-3718 Soft gray crystalline limestone, chert
- 3718-3720 Soft light gray earthy limestone, chert
- 3720-3725 Light gray earthy limestone.
- 3725-3731 Light gray earthy limestone.
- 3731-3738 Gray porous limestone
- 3738-3744 Gray finely crystalline limestone
- 3745-3750 Gray finely crystalline limestone
- 3750-3758 Cream colored finely crystalline limestone
- 3758-3764 Cream colored finely crystalline limestone
- 3764-3770 Cream colored finely crystalline limestone, chert
- 3770-3775 Cream colored finely crystalline limestone, chert
- 3775-3780 Fine angular sand, cream limestone
- 3780-3787 Cream colored, finely crystalline limestone
- 3787-3790 Gray granular limestone
- 3790-3800 Gray granular ~~crystalline~~ limestone
- 3800-3806 Buff granular limestone
- 3806-3811 Buff granular limestone
- 3811-3817 Buff granular limestone

SAMPLE RECORD

State _____ Co. _____ Farm _____ Hitch _____ No. 1 Sec. 33 Twp. 32 Rge. 34w

Location _____

Company _____ Date Drilled _____

Elevation _____ Total Depth _____

- 3817-3826 Buff granular limestone
- 3826-3834 Buff granular limestone
- 3834-3842 Gray limy shale, chert
- 3842-3846 Gray finely crystalline limestone
- 3846-3853 Gray finely crystalline limestone, gray chert
- 3853-3859 Gray arenaceous limestone, gray chert
- 3859-3866 Gray arenaceous limestone, gray chert
- 3866-3873 Dark gray shale, gray and buff coarse limestone
- 3873-3880 Gray coarsely crystalline limestone
- 3880-3886 Gray coarsely crystalline limestone
- 3886-3894 Brown porous and fragmentary limestone
- 3894-3900 Buff coarsely crystalline limestone
- 3900-3905 Dark gray shale, gray crystalline limestone
- 3905-3912 Dark gray shale, gray crystalline limestone
- 3912-3919 Dark gray shale, gray crystalline limestone
- 3919-3927 Buff coarsely crystalline limestone, dark gray shale
- 3927-3937 Mottled gray limestone, gray chert
- 3937-3942 Mottled gray limestone, gray chert
- 3942-3949 Mottled gray limestone, gray chert, gray shale
- 3949-3954 Buff coarsely crystalline limestone
- 3954-3960 Gray shale, buff crystalline limestone
- 3960-3966 Buff and gray dense to earthy limestone
- 3966-3974 Buff dense to earthy limestone
- 3974-3981 Buff dense to earthy limestone
- 3981-3987 Buff dense to earthy limestone
- 3987-3990 Buff dense to earthy limestone
- 3990-3994 Buff dense to earthy limestone
- 3994-4004 Dark gray shale, gray earthy limestone
- 4004-4008 Dark gray shale, gray earthy limestone