Computer Inventoried

FORMATION LOG

WENDELL S. JOHNS

Schafer & Ross #2 Seidel
NW NE NW; 19-27S-12W
Pratt County, Kansas
Elevation: 1880 derrick floor

Comm. 4-9-53

Comp.

Note: All measurements are from the top of the rotary bushing which is 3 feet above the derrick floor.

Depth	Formation Description	Remarks
0 - 145	Sand	Drillers log 0-3450
145 - 346	Red bed and shale	
346 - 652	Red Bed	
652 - 671	Anhydrite	Stone Corral (Electric log)
671 - 950	Red Bed	
950 - 1175	Shale and shells	
1175 - 1310	Salt and shells	
1310 - 1750	Shale and shells	
1750 - 1915	Shale and limestone	
1915 - 2350	Limestone	
2350 - 2480	Limestone and shale	
2480 - 2910	Shale and limestone	
2910 - 3245	Limestone and shale	
3245 - 3390	Limestone	
3390 - 3450	Limestone and shale	
3450 - 69	Limestone, tan to gray, sub-crystalline to finely crystalline, some porous	Sample log starts 3450 Possible trace stain
3469 - 77	Limestone, dark gray, sub-crystalline	
3477 - 83	Limestone, as above	Porous on electric log
3483 - 96	Limestone, as above, mostly gray and black shale	
3496 - 3515	Limestone, gray, finely crystalline. Samples poor	Porous on electric log
3515 - 26	Limestone and shale gray, as above	
3526 - 32	Shale, soft, brown-black	Heebner
3532 - 35	Limestone, dark gray-brown, dense	Leavenworth
3535 - 48	Shale, gray to gray-green, silty	Snyderville
3548 - 67	Limestone, gray to dirty-gray to light cream, finely crystalline; Chert, white opaque, some devitrified	Toronto
3567 - 3605	Mostly shale, gray to gray-green, silty; trace gray, sub-medium, micaceous sand	Probable Top Douglas 3567
3605 - 23	Sand, gray, medium, angular, micaceous	

(2) Formation Log: Schafer & Ross #2 Seidel

Depth		Formation Description	Remarks
3623 -	48	Mostly gray-green shale, as above, some brown shale and trace sand	
3648 -	54	Limestone, brown to tan resinous	
3654 -	3704	Increase in gray, silty, micaceous sand; much shale, as above	
3704 -	11	Limestone, dark gray to dark brown, dense	Brown Lansing
3711 -	21	Mostly gray shale, some dark limestone, as above	
3721 -	30	Limestone, dark gray, sub-crystalline with black oolites	Top Lansing 3721
3730 -	34	Limestone, light brown to gray, sub-crystalline to finely crystalline, some oolitic	Porous on electric log
3734 -	51	Limestone, oolitic, as above	No porosity
3751 -	54	Shale, gray	
3754 -	68	Limestone, light gray, finely crystalline to crystalline, fair vugular and pinpoint porosity	Spotted stain
3768 -	87	Mostly limestone, brown to gray, sub-crystalline to dense; streaks gray and brown shale	
3787 -	93	Limestone, light brown to dark gray, dense to crystalline, some oolitic; some vugular porosity	Trace spotted stain
3793 -	3826	Limestone, tan to brown to gray, dense to finely crystalline; some blue-gray, opaque chert; streaks gray and brown shale	
3826 -	32	Limestone, dark gray to brown, platy, crystalline; trace porosity	No show
3832 -	45	Limestone, dark blue-gray, sub-crystalline to finely crystalline	
3845 -	54	Limestone, dark brown, dense to sub-crystalline, trace oolites; trace vugular porosity	Trace stain
3854 -	58	Limestone, as above, no porosity	
3858 -	76	Limestone, dark brown, crystalline, some vugular porosity	Very slight trace stain
3876 -	81	Limestone, light gray, sub-crystalline; chert, white to light gray, opaque	
3881 -	85	Shale, black	
3885 -	88	Limestone, as above	

(3) Formation Log: Schafer & Ross #2 Seidel

Depth		Formation Description	Remarks
3888 -	92	Limestone, brown to tan, very oolicastic, very good porosity	Fair stain
3892 -	3904	Limestone, gray-brown, dense; some chert; streak gray shale at bottom	
3904 -	09	Limestone, gray-brown, finely crystalline to sub-crystalline; good oolicastic porosity	Fair dark stain
3909 -	21	Limestone, tan, finely crystalline to sub-crystalline streaks gray shale	
3921 -	24	Limestone, light brown, finely crystalline, oolitic; trace oolicastic porosity	Spotted stain
3924 -	33	Limestone, tan, sub-crystalline; gray shale streaks	
3933 -	41	Limestone, gray to brown, sub-crystalline, oolitic; good oolicastic porosity	Some saturated pieces
3941 -	63	Limestone, brown, dense; some brown opaque chert; streak brown shale 3960-63	
3963 -	75	Limestone, tan to gray, crystalline, fair vugular porosity, some oolicastic	Fair spotted stain
3975 -	4006	Limestone, brown, dense; streaks green, brown and black shale	
4006 -	31	Limestone, gray, tan and brown, finely crystalline to dense	Samples poor, no porosity detected in samples - very porous on electric log
4031 -	62	Limestone, as above, trace chert, some green and gray shale streaks	Base Kansas City 4062
4062 -	73	Shale, green, silty; gray siltstone	Top Marmaton 4062
4073 -	81	Limestone, dirty gray, finely crystalline to gray-brown, finely crystalline, trace oolites	
4081 -	86	Shale, gray and green, silty	
4086 -	4107	Limestone, brown to gray, dense	
4107 -	12	Shale, brown	
4112 -	20	Limestone, as above; chert, light tan, opaque	
4120 -	26	Chert, gray, opaque, white, opaque and translucent, figured, brown devitrified, much brown shale	Top Mistersippi 4120
4126 -	33	Chert, as above	Dead brown oil stain
4133 -	44	Shale, gray-green and maroon	Top Mississippi 4144
4144 -	62	Trace gray, silicified limestone; much brown and green shale; increase in gray devitrified chert	Dead brown stain

(4) Formation Log: Schafer & Ross #2 Seidel

Depth		Formation Description	Remarks
4162 -	78	Shale, green, green-gray and dark brown, increase in red-brown and maroon shale, much red, sub-jasperoid chert	Top Kinderhook 4162
4178 -	96	Increase in chert, white to gray to tan, opaque to translucent, trace gray, fine, micaceous sand; chert, brown and amber, translucent; red, opaque and white opaque, figured	No stains
4196 -	4201	Shale, brown, maroon, green, varicolored	
4201 -	08	Limestone, gray, buff, sub-crystalline, possible increase in chert	
4208 -	21	Shale, as above, trace fine, gray micaceous sand	
4221 -	51	Chert, white, light gray, tan, amber, opaque and translucent, figured, some devitrified; chert, white, devitrified	Top Viola 4221 Trace free oil and gas
4251 -	58	Shale, green, trace tan to brown, sandy limestone	
4258 -	68	Shale, dark green, some sandy; shaly green sand; trace saturated sand	Top Simpson 4258
4268 -	80	Shale, as above; streaks dolomitic sand; some white, gray and brown, crystalline sandy dolomite	
4280 -	86	Shale and shaly sand, as above	
4286 -	95	Sand, medium angular, white to gray, sand, white, fine, quartzitic, some friable sand	Light brown stain, black stain, trace odor, some saturated sand
4295 -	4334	Sand, white, sub-medium to medium angular, friable to quartzitic, white to light green; streaks light green shale. Sand, brown, medium angular, very friable	Light brown stain to good saturation
4334 -	39	Increase in hard, white sand	
4339 -	60	Shale, green and green-gray, sandy. Much brown, pyritic shale; streaks sand, as above	
4360		Total Depth	

No cores or drill stem tests were taken on this well.

Samples examined and log compiled by Wendell S. Johns

NEWELL G. JOHNS

Schafer & Koss #2 Sidel
NW/4 [illegible], 19-27S-12W
Pratt County, Kansas
Elevation: 1880 derrick floor
1883 rotary bushing

Note: All measurements are taken from the rotary bushing which is 3' above the derrick floor.

Depth	Time	Remarks
3450 - 60	3-3-4-4-3-3-3-3-2-3	
70	4-3-4-4-5-5-4-5-6-8	
80	8-8-10-12-10-11-10-6-6-6	Trip 3477
90	7-6-5-2-3-4-2-4-9-7	
90 - 3500	6-7-7-9-8-7-5-5-4-6	
3500 - 10	4-4-6-4-5-5-5-4-5-7-	
20	3-5-5-6-5-7-7-10-10-6	
30	5-7-12-12-9-13-9-8-6-7	Top Heebner 3526
40	4-6-10-12-8-4-3-5-2-3	
50	4-4-5-5-5-7-6-5-9-6	
60	4-4-7-8-7-8-8-9-9-7	
70	10-6-11-8-8-7-10-7-7-6	
80	7-8-7-6-10-7-8-9-6-6	
90	7-7-7-6-7-8-7-5-6-7	
90 - 3600	6-6-6-6-8-6-6-7-6-6	
3600 - 10	7-7-7-7-6-6-7-9-9-8	
20	8-8-4-3-3-3-5-5-8-5	
30	5-5-5-8-8-8-9-7-7-8-	
40	8-9-10-11-10-10-12-8-5-7	
50	11-9-13-8-3-3-3-3-4-4	Trip 3643
60	3-5-4-3-2-3-2-2-2-3	
70	3-2-3-3-2-2-3-3-3-2	
80	2-2-3-3-3-3-3-3-4-4	
90	4-4-4-3-3-3-3-3-3-2	
90 - 3700	3-3-4-4-3-2-2-3-2-2	
3700 - 10	2-2-3-2-6-7-7-7-7-7	Top Brown Lansing 3704
20	5-5-4-3-3-3-2-3-3-2	
30	3-5-6-4-7-4-4-6-9-4	Top Lansing 3721
40	6-6-7-6-5-8-7-6-7-10	
50	11-5-16-11-10-11-13-10-20-14	
60	12-6-10-8-5-4-5-5-4-6	
70	5-4-4-3-6-5-5-5-11-7	
80	7-12-11-12-20-17-11-8-4-3	Trip 3776
90	3-5-6-8-4-5-7-8-5-7	
90 - 3800	6-7-11-10-9-13-8-8-10-10	
3800 - 10	11-10-12-12-12-12-14-14-13-11	
20	13-11-12-14-14-14-8-8-9-11	
30	11-9-10-8-8-9-8-7-7-6	
40	6-6-8-12-8-7-7-7-7-7	
50	8-5-5-6-6-5-5-5-3-3	
60	4-3-5-6-7-7-5-8-5-4	
70	6-5-9-6-5-8-9-11-9-8	
80	9-7-7-9-17-15-17-15-15-18	
90	13-4-2-4-5-5-9-2-3-2	
90 - 3900	2-10-15-14-12-12-11-14-14-14	

(?) Time log; Schafer & Ross 2 Sidel

Depth	Time	Remarks
3900 - 10	13-4-3-4-6-9-7-10-9-15	
20	15-14-14-14-13-12-9-13-8-9	
30	8-6-9-8-6-7-6-7-12-14	Trip 3930
40	10-9-6-5-3-3-4-3-4-5-	
50	4-5-7-7-11-7-8-10-10-10	
60	10-9-10-10-10-11-11-11-11-12	
70	4-6-8-5-3-3-3-3-3-3	
80	3-4-5-3-3-3-4-5-7-7	
90	7-8-10-11-11-11-12-11-10-11	
90 - 4000	10-10-9-12-11-11-9-11-12-12	
4000 - 10	13-12-12-7-7-6-8-8-9-6-8-	
20	8-9-10-11-10-10-10-13-9-14	
30	13-13-13-13-5-25-10-12-13-12	
40	12-15-14-15-7-10-16-13-4-10	
50	6-7-13-8-10-9-10-12-7-7	
60	8-8-10-10-13-9-8-10-12-10	
70	10-10-5-5-4-5-5-4-3-3	Base Kansas City 4062
80	3-4-4-5-4-8-12 -11-7	
90	8-7-5-4-4-5-6-13-7-8	
90 - 4100	8-11-12-11-11-14-11-11-9-10	
4100 - 10	11-14-12-13-13-12 -14-11-10-10	Trip 4105
20	9-4-6-10-12-15-17-9-7-7	Top Mistersippi 4120??
30	10-10-11-11-11-10-8-11-9-9	
40	11-14-13-13-13-14-8-9-9-9	
50	13-11-13-11-7-7-6-8-5-7	Top Mississippi 4144??
60	9-5-6-5-6-5-7-5-5-5	
70	6-7-12-15-10-10-8-7-12-7	
80	10-11-12-13-11-9-15-7-6-6	Top Winderhook 4167
90	10-7-6-11-6-8-9-8-9-9	
90 - 4200	9-9-10-11-9-4-6-11-23-10	Trip 4195
4200 - 10	10-15-18-23-16-18-19-12-11-12	
20	11-7-8-7-7-6-9-5-7-6	Top Viola 4219
30	9-6-7-6-6-7-7-6-5-5	
40	5-5-6-6-5-7-9-7-6-6	
50	6-7-8-7-7-8-7-6-5-7	
60	7-9-10-10-12-10-8-8-7-5	Circ. 1½ hr. 4255; trip 4255; Top Simpson 4258.
70	6-7-5-7-7-7-7-5-7-9	
80	10-7-8-7-8-10-16-11-11-13	
90	12-10-6-6-7-10-8-7-4-20	Kelly Corr. 4288 = 4289
90 - 4300	11-11-8-9-9-15-26-13-16-47	Trip 4300
4300 - 10	24-16-26-38-36-48-34-32-33-25	
20	38-16-21-16-20-19-25-19-45-40	Trip 4311
30	29-6-12-17-23-27-23-27-13-20	Trip 4323
40	22-15-13-40-38-19-20-21-23-21	
50	20-19-18-16-15-16-20-19-14-14	Circ. 1½ hr. 4350; trip 4350
60	8-9-10-10-12-11-11-7-8-7	Circ. 1½ hr. 4360 R.T.D. 4360

(Time log condensed by Willis Jack Bay then)