

FORMATION LOG

Computer inventoried

Bedall-Catt and H. C. Bennett, et al
 #1 Keller
 1100' from W L & 1100' from SL SW₄
 3-198-9W
 Rice County, Kansas
 Elevation: 1704 Ground
 1707 Derrick Floor
 1709 Kelly Bushing

8 5/8" Casing 130'
 5 1/2" Casing
 Conn: 12-14-54
 Comp:

Note: All measurements are from the top of the Kelly Bushing.

Depth	Formation Description	Remarks
0 - 135	Surface hole	Drillers log 0 - 2400
135 - 1165	Shale and red beds	
1165 - 1233	Limestone and shale streaks	
1233 - 1495	Limestone and shale	
1495 - 1620	Limestone	
1620 - 30	Shale and limestone	
1630 - 1915	Limestone and shale	
1915 - 2400	Shale and limestone	
2400 - 04	Limestone, dark gray to tan subcrystalline	Sample log 2400 - R.T.B
2404 - 13	Shale, gray, and sand fine gray shaly	
2415 - 39	Limestone, gray to tan to brown, dense to finely crystalline, fossi- liferous, probable shale streaks	
2439 - 73	Should be sand or shale but samples show limestone as above. Samples bad.	
2473 - 80	Limestone, dark gray, subcrystalline to dense	Top Topeka - 2473
2480 - 87	Limestone as above with shale streaks	
2487 - 90	Shale, dark gray	
2490 - 93	Limestone as above	
2493 - 98	Shale as above	
2498 - 2540	Limestone, dark gray subcrystalline light gray to tan finely crystal- line fossiliferous; possible shale streaks.	
2540 - 50	Shale, dark gray	
2550 - 63	Limestone, white to light tan, subcrystalline, to finely crystal- line trace porosity, trace white chert	No show
2565 - 69	Shale, gray	

-2- Formation Log
Bedell-Carr and H. C. Barnett, et al
#1 Keller

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
2569 - 92	Limestone, tan subcrystalline; chert, gray, tan and brown, mottled, opaque.	
2592 - 2611	Shale, gray, streaks limestone	
2611 - 32	Limestone tan to brown, dense, some chert, dark blue-gray opaque	
2633 - 49	Limestone, white to light tan, sub-crystalline to chalky, chert as above Some tan and brown mottled fossiliferous limestone, possible trace porosity.	No show
2645 - 54	Limestone as above - no porosity	
2654 - 59	Shale, soft, black	
2659 - 84	Limestone, gray to tan, dense to finely crystalline, fossiliferous	
2684 - 86	Shale, black	
2686 - 90	Limestone as above	
2690 - 92	Shale, as above	
2692 - 2743	Limestone, tan subcrystalline to chalky. Trace chert, gray opaque	
2743 - 52	Shale, soft black	Hebner
2752 - 56	Limestone, gray to tan, dense	Leavenworth
2756 - 69	Shale, gray and brown	Snyderville
2769 - 82	Limestone, tan dense clean trace speckled gray chert	Toronto
2782 - 2811	Shale, gray to green-gray	Douglas 2782 - 2877
2811 - 44	Shale as above with streaks sand, fine, gray shaly.	
2844 - 77	Shale, gray, green, brown	Brown
2877 - 80	Limestone, light brown to dark brown, dense	Brown Lansing
2880 - 83	Limestone above with shale streaks	
2888 - 2902	Shale, gray	
2902 - 07	Limestone, light brown, sub-crystalline	Lansing
2907 - 12	Shale, gray	
2912 - 24	Limestone, tan to light brown, subcrystalline to dense, chert, gray to brown, translucent, vitreous	
2924 - 26	Shale, green and brown	
2926 - 41	Limestone, light tan, finely crystalline	
2941 - 43	Shale, brown	
2943 - 48	Limestone as above, possible some black oolites	
2948 - 50	Shale, brown	

-3- Formation Log
 Bodell-Carr and W. C. Bennett, et al
 #1 Keller

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
2950 - 60	Limestone, gray to brown, dense to finely crystalline, fossiliferous	
2960 - 63	Shale, gray	
2963 - 67	Limestone as above	
2967 - 80	Limestone, tan to brown, mottled, very fossiliferous, some black oolites	
2980 - 82	Shale, gray	
2982 - 94	Limestone as above, much shale	
2994 - 96	Shale, gray	
2998 - 99	Limestone, tan dense	
2999 - 3006	Limestone, tan to brown, sacrose very oolitic and collicastic, good porosity.	No show
3006 - 28	Limestone tan dense	
3028 - 48	Limestone as above, streaks gray shale.	
3048 - 60	Limestone, tan subcrystalline, some oolites, Possible trace porosity!	No show
3060 - 64	Limestone, brown, dense	
3064 - 66	Shale, black	
3068 - 75	Limestone, tan to brown, dense some chert, gray opaque	
3075 - 77	Shale, gray	
3077 - 81	Limestone tan to white dense to chalky	
3081 - 90	Limestone as above, some gray shale streaks	
3090 - 3100	Limestone, tan, dense, colitic and collicastic; Fair porosity	No show
3100 - 06	Limestone, gray to tan, dense	
3106 - 10	Shale, gray	
3110 - 12	Limestone, brown dense, possible collicastic. Possible trace porosity	No show
3112 - 25	Limestone as above, with much gray shale	
3125 - 44	Limestone, light tan, subcrystal- opaque line, to dense; chert, gray to brown opaque	Possible base Kansas City????
3144 - 59	Shale, gray and brown, trace silty shale, probably limestone streaks	
3159- 76	Limestone, light tan chalky to dense; chert gray to pink, vitre- ous, opaque	
3176 - 78	Shale gray and brown	
3178 - 84	Limestone, as above	

-4- Formation Log
 Bedell-Catt and H. C. Bennett, et al
 #1 Keller

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3184 - 87	Shale, as above	
3187 - 93	Limestone as above	Probable Base Kansas City 3193
3193 - 98	Shale, green gray, brown, green trace shaly sand	Marston
3198 - 3204	Limestone, gray dense, very collocastic porous	No show
3204 - 07	Limestone tan to dark gray dense, trace red limestone	
3207 - 19	Shale, gray and red maroon	
3219 - 22	Limestone, gray to tan sub- crystalline to finely crystal- line, chert, brown, translucent to opaque.	
3222 - 34	Shale, gray, brown, maroon Trace chert, possibly some lime- stone streaks	
3234 - 49	Shale, soft, brown-maroon, sandy, some chert gray and brown to pink vitreous translucent	
3249 - 70	chert, white yellow red, trans- lucent to opaque, some colitic chert, some green devitrified chert and some green shale at bottom. Some sandy shale, no sand	Top Conglomerate 3249 No show

Total Depth 3270 in Conglomerate

Abandoned well 12-22-54

Ran no drill stem tests or electric log. Took no cores

Samples examined and Log compiled by

Wendell S. Johns

WENDELL S. JOHNS

TIME LOG

Bedell-Catt & H. C. Bennett
 #1 Keller
 1100' WL & 1100' SL SW $\frac{1}{2}$
 3-19S-9W
 Rice County, Kansas
 Elevation: 1704 ground
 1707 D.F
 1709 K.B

Note: All measurements are from the top of the Kelley Rushing.

Depth	Time	Remarks
2400 - 10	2-2-3-3-1-1-2-1-1-2	
20	1-2-2-2-2-3-3-3-5-4	
30	2-2-3-3-2-2-3-3-3-4	
40	3-4-3-3-2-3-3-3-5-3	
50	1-2-2-1-3-2-2-1-1-2	
60	2-2-2-2-2-2-2-2-2-2	
70	1-2-3-3-3-4-2-2-2-3	
80	2-3-6-6-6-6-4-6-4-4-	Top Topeka? 2473
90	4-3-5-4-3-3-3-3-2-2	
90 - 2500	3-3-4-3-4-3-3-4-5-5	
2500 - 10	6-5-4-4-5-6-4-4-4-5	
20	4-3-2-2-3-3-4-3-5-5	
30	3-5-4-6-5-5-6-5-5-5	
40	5-6-3-3-4-4-5-5-4-4	
50	4-4-3-4-5-5-3-4-3-5	
60	4-5-5-5-4-5-6-5-6-5	
70	5-6-5-3-4-3-3-3-5-6	
80	7-5-2-3-5-9-7-2-3-3	
90	4-4-4-5-5-8-3-3-7-7	
90 - 2600	8-3-4-3-4-4-2-2-2-2	
2600 - 10	2-2-3-8-9-3-3-2-3-2	Trip 2605 OWV
20	2-3-4-4-4-4-5-5-4-5	
30	6-5-5-6-6-6-6-5-5-6	
40	6-6-6-3-6-7-8-7-4-5	
50	4-3-4-6-4-6-8-X-7-6	Kelley Correction 2647:2648
60	6-7-5-5-3-3-2-1-2-5	
70	3-7-5-7-7-6-8-8-6-4	
80	5-3-5-6-5-5-6-6-7-3	
90	5-9-14-3-3-7-8-8-8-6	
90 - 2700	4-3-9-6-10-14-8-8-7-9	
2700 - 10	8-8-7-6-4-5-6-7-8-6	
20	8-6-5-6-6-9-3-7-8-8	
30	8-7-9-8-7-8-10-10-9-8	
40	10-11-10-8-9-9-8-7-7-9	
50	3-6-5-6-9-8-9-8-2-2	Reebur 2748

-2- Time Log
#1 Keller

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
2700 - 60	1-2-9-14-12-11-8-6-5-4	
70	5-5-3-5-5-5-5-6-6-5	
80	3-5-4-8-4-5-6-6-6-7	
90	8-9-3-4-4-5-5-5-3-4	Top Douglas 2782'
90 - 2800	4-5-4-3-4-3-4-4-3-5	
2800 - 10	4-5-6-6-4-4-4-3-4-4	
20	5-3-3-4-3-3-3-2-3-2	
30	3-3-3-3-2-3-3-3-4-3	
40	3-4-3-4-3-4-4-4-3-3	
50	3-3-4-3-4-6-5-5-3-3	
60	3-4-3-4-3-4-3-4-3-4	
70	5-4-5-4-4-4-3-3-3-4	
80	5-4-4-4-4-3-3-4-9-13	Top Brown Lansing 2877
90	6-6-5-6-4-5-5-3-4-3	Trip 2880 OWV
90 - 2900	4-5-3-3-3-2-3-2-3-2	Circ. 2900 2 hrs 17 min.
2900 - 10	3-4-4-3-5-6-4-4-4-4	Top Lansing 2904
20	4-4-5-5-5-6-6-4-4-6	
30	7-6-7-4-3-3-6-5-7-7	
40	8-6-7-6-5-5-5-5-6-5	
50	6-2-2-6-7-7-6-4-2-2	
60	6-5-6-6-6-6-6-4-3-7	
70	6-3-3-5-6-6-6-3-5-3	
80	5-5-5-5-4-5-7-5-4-6	
90	3-3-6-7-8-7-7-7-7-7	
90 - 3000	8-7-6-4-2-3-5-4-5-14	Circ. 3000 1/2 hr.
3000 - 10	1-2-3-2-1-14-5 1/2-5-6-6	
20	6-8-7-6-7-9-6-7-7-7	
30	9-8-7-7-8-7-8-6-4-8	
40	7-6-7-7-7-5-7-7-7-4	
50	7-6-7-9-7-8-7-7-5-4	
60	3-5 1/2-4 1/2-7-6-5-5-5-4-5	
70	8-12-9-8-4-4-5-9-7-6	
80	9-9-9-10-9-6-5-8-8-9	
90	10-7-7-8-7- 8-8-8-8-8 7-6-6-6-5	
90 - 3100	4-1-2-2-3-4-4-4-2-3	Circ. 3095 45 min
3100 - 10	5-9-11-10-11-8-4-4-3-4	Trip 3105 OWV
20	7-6-8-7-4-6-7-6-5-5	
30	5-5-5-6-6-9-9-9-8-9	
40	10-8-8-8-9-9-9-8-8-8	
50	8-8-8-8-5-3-6-7-9-6	Possible base Kansas City
60	4-4-4-6-7-7-4-6-6-8	314477
70	8-8-9-9-8-7-7-11-8-10	SLM 3152 - OK
80	9-10-12-11-11-7-6-5-8-11	
90	13-13-12-9-6-5-5-7-8-11	
90 - 3200	10-9-9-6-5-4-7-7-5-4	Probable base Kansas City
		3193

-3- Time Log
 #1 Keller

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
3200 - 10	5-5-6-6-10-10-7-7-6-5	
20	7-9-7-8-8-4-6-7-7-9	
30	10-9-8-8-7-9-8-7-6-8	
40	6-7-8-8-5-4½-6½-8½-7½-7½	Circ. 3235 1 hr Circ. 3240 1 hr Circ. 3245 1 hr. Top Congl. 3249
50	7-8-9-9-6-5-6-3-5-4	Circ. 3251 1 hr Circ. 3254 1½ hr.
60	3½-2½-3-2-2-6-8-6-11-4	T.D. 3270 Circ. ½ hr D & A 12-22-54
70	4-5-7-7-11-6-5-6-5-8	

Time Log Condensed

by

Johns and Magathan