

Computer Form 100-1000

FORMATION LOG

J. H. Johnson #1 Hefling
SE SW SE 8-24S-4W
Reno County, Kansas
Elevation: 1473 Derrick Floor

8-5/8" 317' 225 sacks
5-1/2" 3314' 90 sacks
Conn: 12-10-49
Comp:

Note: All measurements are taken from the top of the rotary bushing which is even with the derrick floor.

Depth	Formation Description	Remarks
0 - 100	Sand and shale	Drillers log 0 - 2500'
100 - 200	Shale & shells	
200 - 250	Sand & shale	
250 - 275	Shale	
275 - 288	Sand	
288 - 525	Shale & shells	
525 - 620	Limestone	
620 - 960	Limestone & shale	
960 - 1175	Limestone	
1175 - 1210	Shale & shells	
1210 - 1325	Shale & limestone	
1325 - 2245	Limestone & shale	
2245 - 2335	Limestone	
2335 - 2490	Limestone & shale	
2490 - 2500	Shale	
2500 - 2520	Shale, gray, green & brown	Sample log 2500' to Total Depth
2520 - 2560	Shale, as above; sand gray, medium to fine grained.	
2560 - 2580	Sand, large rounded to sub-rounded	
2580 - 2600	Limestone, tan to brown dense; shale as above	Brown Lansing
2600 - 2610	Limestone, tan to gray, finely crystalline, soft	
2610 - 2620	Limestone, gray to white, finely crystalline to dense, soft	
2620 - 2650	Limestone, tan, finely crystalline, oolitic and oolitic; some limestone, as above	Lansing
2650 - 2670	Limestone, gray to brown, sub-crystalline to dense, oolitic	
2670 - 2675	Limestone, gray to white, finely crystalline to sub-crystalline, oolitic and oolitic; shale gray	
2675 - 2680	Shale, gray and black	
2680 - 2700	Limestone, tan to gray, finely crystalline to dense; some gray opaque chert; shale gray	
2700 - 2710	Limestone and chert, as above	
2710 - 2715	Shale, gray	
2715 - 2725	Limestone, as above	
2725 - 2730	Shale, as above	
2730 - 2735	Limestone, as above; brown shale	

(2) Formation Log; Johnson #1 Hefling

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
2735 - 2740	Limestone, tan to brown, finely crystalline to sub-crystalline	Some vugular porosity
2740 - 2805	Limestone, tan to gray, sub-crystalline to dense; gray opaque chert; some tan oolitic limestone	
2805 - 2810	Shale, dark gray	
2810 - 2815	Limestone, finely crystalline to sub-crystalline, oolitic and oolitic	Some vugular porosity
2815 - 2835	Limestone, dense, brown	
2835 - 2840	Limestone, white to tan, soft, finely crystalline	
2840 - 2865	Limestone, tan to gray, sub-crystalline to dense; chert, mottled gray, opaque	
2865 - 2870	Limestone, tan to gray, oolitic and oolitic	Some vugular porosity; slight stain
2870 - 2935	Limestone, brown to gray, dense; chert, as above; shale streaks	
2935 - 2942	Shale, gray; some black shale	
2942 - 2965	Limestone, as above	
2965 - 2970	Shale, black	
2970 - 2980	Shale, olive drab, green, gray and brown	
2980 - 2995	Limestone, finely crystalline to sub-crystalline, micaceous, oolitic and oolitic	Good porosity, fair stain
2995 - 3000	Shale, gray	
3000 - 3040	Limestone, gray to black, finely crystalline to dense; shale, gray	
3040 - 3070	Limestone, tan to gray, oolitic; chert, gray to tan, opaque	
3070 - 3080	Limestone, gray to tan, sub-crystalline to dense; chert, as above	Base Kansas City 3080 ?
3080 - 3130	Shale, purple, gray and red; Limestone, as above	
3130 - 3150	Limestone, gray to tan, sub-crystalline to dense, crinoidal	
3150 - 3200	Shale, gray; trace red and green shale; some chert, tan to brown, opaque; limestone, as above	
3200 - 3228	Shale, varicolored; chert, as above	
3228 - 3231	Shale, black, fissile, soft	
3231 - 3260	Shale, as above; some limestone, dirty, gray-brown, impure	
3260 - 3270	Shale, as above; some pink limestone	
3270 - 3300	Shale and chert as above; increase in brown shale	
3300 - 3305	Limestone, light to dark gray, coarsely crystalline	Mississippian
3305 - 3309	Chert, tan to milky cream; possibly some dolomite	
3309 - 3315	Chert, as above; some green shale	
3315	Rotary Total Depth	
3315 - 3320	Limestone, white to light gray, medium to coarsely crystalline; chert, white, earthy, opaque	

(3) Formation Log; Johnson #1 Hefling

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3320 - 3325	Dolomite, yellow, sucrose; chert, yellow and some leached yellow tripolitic chert	Some vugs
3325 - 3330	Dolomite, tan to brown, finely sucrose; some tan, coarsely crystalline limestone	
3330 - 3335	Dolomite, cream to white, finely sucrose; chert, white, tripolitic	Some pin point porosity; trace stain
3335 - 3340	Dolomite and chert, as above	Increase in stain
3340 - 3345	Dolomite, tan to brown, finely sucrose; chert, as above	Pin point porosity, some stain
3345 - 3350	Dolomite, white to cream, as above; chert, as above	
3350 - 3360	Dolomite and chert, as above	Some vugs
3360 - 3367	Dolomite and chert, as above	
3367 - 3372	Dolomite, finely crystalline to sub-crystalline, white to cream tan; chert, as above	Trace stain
3372 - 3375	Dolomite and chert, as above	
3375 - 3384	Dolomite, cream to tan, sucrose to finely sucrose; chert as above	
3384 - 3403	Dolomite and chert, as above	
3403 - 3405	Dolomite and chert, as above	Trace stain, probably some stain 3403-10, 3408-15 (corr)
3405 - 3415	Dolomite and chert, as above	
3415	Total depth	
	3415 = 3420 corrected	

Samples examined and log compiled by Wendell S. Johns
and W. J. Magathan