

20-28-22E

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company. HERMAN, ET AL
Farm. City of Walnut No. 4

SEC. 20 T. 28 R. 22E
SW $\frac{1}{4}$ 2 Mi. east 1 Mi.
south of Town

Total Depth. 1015'
Comm. 4-1-56 Comp. 6-2-56
Shot or Treated.
Contractor. Herman Sill Drlg. Co.
Issued. 3-2-57

County Crawford
KANSAS



Elevation. ?? 900 ft.

Production. 100 gpm

Figures indicate Bottom of Formations.

clay	20
shale	60
lime	83
shale	85
lime	101
shale-little gas	130'
lime shells	162)
lime	190) 5
slate	192)
lime	197)
shale	200
sand	205
shale-sdy	215
shale	272
lime shells	277
lime	280
shale	297
lime	299
shale sdy	310
shale	420
sand-shale	425
shale-tr coal	570
shale-pyrites of iron	600
shale-sand	615
lime-Mississippi	616
SIM 616.2'	
lime-Mississippi-wtr	
@ 620-625	620
flint-lime	645
flint	665
flint-brwn lime	675
lime-flint	740
brwn flint	750
flint-brwn lime	761
wtr 760'	
flint-lime	775
lime-flint-wtr	785
flint-lime -wtr 800'	817
lime-flint	842
lime	889
Tested 865'. Static 190'	
60 gpm 35' draw down.	
shale	916

lime	945
SIM 931'	
wtr 965' crevice	
lime sdy	994
sand	1010
lime-sdy wtr	1015
Total Depth	

Static wtr. level @ completion 205'
Made blr. test 40 gpm--no draw down.

0- 30	Soil & clay
30- 65	gray sh., darker at base
65- 81	light-gray ls.
81- 84	slaty black sh.
84-100	shaly gray ls.
100-134	dark-gray sh.
134-135	coal
135-155	gray sh., trace coal 147'
155-170	micacious sandy gray sh., flint
170-182	very sandy micacious gray sh., flint
182-195	gray, micacious, sandy ls.
195-202	black sh.
202-206	gray ls., sandy micacious
206-211	black sh.
211-215	gray ls.
215-220	sandy sh.
220-276	gray sh.
276-281	dark-gray sh., trace coal
281-283	ls.
283-297	gray sh.
297-300	black slaty sh.
300-301.5±	coal
301.5-333	gray sh., black slaty sh. at 317
333-335½	coal
335½-348½	gray sh.
348½-349	coal
349-351	black slaty sh.
351-353	micacious cal. ss.
353-370	dark-gray sh.
370-400	sandy micacious gray sh.
400-405	black slaty sh.
405-405½	coal
405½-423	gray sh. under clay at base of coal (app. 4'), sh. sandy at base
423-438	black sh.
438-439½	gray sh.
439½-440½	coal
440½-447	black slaty sh.
447-455	light-gray ss., very fine-grained, trace of coal
455-458	gray sh.
458-461	brown ls.
461-465	dark-gray sh.
465-471	gray, very sandy sh.
471-475	dark gray sh., slaty, trace coal
475-481	gray shaly ss.
481-489	gray sh.
489-494	black slaty sh.
494-506	gray sandy sh.
506-510	dark-gray sh.
510-515	black sh.
515-521	gray sh.

Walnut well SW SW 20-28-22 (continued)

- 521-529 dark-gray sh.
 529-531 gray micaceous laminated ss., very fine-grained
 531-534 dark-gray sh.
 534-542 micaceous, laminated gray ss., very fine-grained
 542-546 dark-gray sh., trace of coal
 546-548 gray, micaceous ss., very fine-grained
 548-551 dark-gray sh.
 551-554 gray sandy sh.
 554-569 black slaty sh.
 569-570 coal
 570-576 gray sh.
 576-612 black sh., trace coal
 614-625 light-gray flint
 625-635 light-gray flint, mottled gray & blue flint, little sugary ls. & pyrite, more ls. at base
 635-643 tan sugary ls., gray flint, little blue flint, trace pyrite
 643-655 light-gray flint, little blue flint and ls.
 655-660 tan ls., white and gray flint with pyrite, some crinoid plates
 660-667 light-gray flint
 667-670 crystalline tan ls., little glauconitic sandy gray ls.
 670-675 light-tan oolitic ls., trace pyrite
 675-685 light limey flint (white & gray), gray ls.
 685-701 tan ls., white flint
 701-714 tan, dark-gray, & white ls., little white flint
 714-730 dense light-gray flint, gray ls., and leached light-gray ls.
 730-740 gray ls., white flint, leached light-gray ls.
 740-755 gray ls., white flint, trace light-gray ls.
 755-760 light-gray flint, gray ls., & trace leached light-gray ls.
 760-778 gray ls., dense blue-gray flint, light-gray flint
 778-785 gray ls., small amount light-gray flint
 785-790 gray ls., blue-gray flint, light-gray flint
 790-795 light-gray flint, gray ls., blue-gray flint
 795-801 light-gray ls., light-gray flint
 801-825 light-gray and gray ls., blue-gray flint, light-gray flint (trace)
 825-850 blue-gray & light-gray flint, light-gray ls., trace leached light-gray ls.
 850-875 light-gray ls., light-gray flint
 875-889 light-gray ls., trace light-gray flint
 889-921 blue-gray cal., sh, base lighter and more cal.
 921-926 gray ls.
 926-935 light-gray ls., trace pyrite
 935-936 dark-gray sh.
 936-955 light-gray ls, trace pyrite
 955-960 light-gray ls., sandy
 960-965 light-gray ls., dark -gray ls.
 965-980 light-brown ls., sandy; light-gray to white flint, trace pyrite
 980-985 quartz, flint, and light-gray ls.
 985-995 light-brown ls., light-gray flint, dark-gray ls., some quartz
 995-1015 light-brown ls, white to light-gray flint, trace pyrite, trace quartz, more at base