

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

24-32-5W

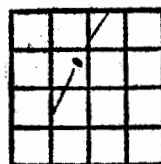
Company- RINE & FRANKFORT
Farm- Schon No. 1

SEC. 24 T. 32 R. 5W
NE SE NW

Total Depth. 4935'
Comm. 11-21-54
Shot or Treated.
Contractor.
Issued. 3-26-55

Comp. 12-14-54

County Harper
KANSAS



Elevation. 1262' DF

CASING:

8 5/8" 291'

Production. Dry

Drillers Log 0-2000'

Figures Indicate Bottom of Formations.

400 red beds	calcareous sand to white sandy limestone.
825 shale and shells	2956 shale, black soft
975 anhydrite	2966 limestone, tan-gray to gray-brown dense
1805 limestone and shale	2970 shale, gray to dark gray, silty; trace brown shale
2000 shale and limestone (Sample Log 2000' to T.D.)	2999 limestone white, finely crystalline to gray-tan, dense, chalky with large calcite crystals; streak gray shale 2978-80
2008 shale, gray	3035 shale, gray and green-gray, some sandy; thin streaks fine, gray, shaly sand
2020 limestone, gray, finely crystalline	3064 limestone, white to tan, finely crystalline to chalky fossiliferous slightly sandy at top; fair vugular porosity 3039-64
2190 mostly shale, gray to green-gray; some thin streaks light gray, medium, angular, micaceous sand; streaks brown to gray crystalline to dense limestone.	3314 shale, gray to brown, some sandy; thin streaks light gray to white, submedium, angular, micaceous, argillaceous sand.
2195 limestone, dark brown to gray, dense fossiliferous	3318 limestone, dark brown to tan, dense; some very fossiliferous
2234 shale, gray, silty to gray-brown, sandy; streaks gray to light brown, submedium, very micaceous sand.	3338 shale, dark gray to black
2336 mostly limestone, brown to buff to gray, dense, fossiliferous; much gray to dark gray, some calcareous shale	3345 sand, white to light gray, medium, angular
2400 shale, gray to brown, slightly silty; streaks dark gray shaly limestone	3355 mostly shale, gray; streaks sand, as above
2480 limestone, tan to gray-brown, finely crystalline, to dense, fossiliferous; streak limestone, as above with large brown and black oolites 2440-44	3390 sand, as above, coarser, stained brown; probably iron stains
2505 shale, gray to brown	3565 shale, gray, finely micaceous, slightly silty.
2539 sand, firm to submedium, angular light gray to brown; micaceous, streaks fairly silty shale	3568 limestone, dark, brown-gray sub-crystalline
2582 shale, gray; thin streaks shaly sand, as above	3581 shale, dark gray
2624 limestone, gray to tan to brown subcrystalline, chalky to sucrose; thin streaks gray shale; porous 2593-99 and 2605-12	3588 limestone, gray to gray-brown, sub-crystalline to dense
2686 shale, gray to dark gray; streaks dark gray to brown, dense, shaly limestone	3598 shale, as above
2706 limestone, gray to tan, to dark gray-brown, finely crystalline; fair vugular porosity 2690-94 & 2699-2702	3608 limestone, gray to brown, finely crystalline to subcrystalline.
2732 shale, dark gray to black	3611 shale, gray
2745 limestone, tan to white to brown, finely crystalline to subcrystalline some chalky, fossiliferous; fair pinpoint porosity 2734-37 & 2741-45; trace blue-gray, opaque chert.	3614 limestone, white, chalky to light tan subcrystalline
2772 shale, gray	3627 limestone, tan, finely crystalline; chert, white, opaque, subvitreous, streaks gray-green shale
2780 limestone, gray-tan, dense to dirty brown subcrystalline.	3643 limestone, as above; fair vugular porosity.
2813 shale, gray; thin streaks coarse, calcareous, shaly sand	3710 limestone, tan, subcrystalline, to dense, fossiliferous; some brown subcrystalline to dense limestone toward bottom
2816 sand, light gray medium, angular, micaceous	3721 limestone, tanto brown, very oolitic and oolitic
2924 mostly shale, gray; streaks fine, gray micaceous, argillaceous and.	3765 limestone, gray to dark gray to brown, dense to subcrystalline; some dark gray to gray, mottled, opaque chert; streaks gray and black shale.
2932 limestone, dark dirty brown to brown-black, dense	
2942 shale, gray-black	
2950 limestone, gray to dark brown, sub-crystalline; some white medium,	

(OVER)

- 3768 limestone, light tan-gray, subcrystal-
line, some silty; trace pinpoint
porosity
- 3799 limestone, gray to dark brown, dense;
streaks gray-black, shale 3785-99
- 3803 limestone, as above
- 3844 limestone, dark gray to dark brown,
dense
- 3871 shale gray-green; streaks fine, green-
gray, shaly, micaceous sand
- 3876 limestone, dark brown-gray to black,
granular to subcrystalline
- 3906 shale, as above, thin streaks gray
to green, fine to submedium, shaly
sand
- 3916 limestone, gray to dark brown, dense
to subcrystalline
- 3935 much gray shale; streaks gray to tan
to dark brown, dense to subcrystalline
limestone
- 3980 limestone, white to tan subcrystalline
chalky, to gray-brown, dense; trace
white, opaque, vitreous chert; streaks
gray shale.
- 3983 shale, dark gray to black
- 3994 limestone, dark gray to black, finely
crystalline to granular
- 4010 mostly shale, dark gray; streaks
limestone, as above, dark gray to
black.
- 4033 limestone, as above
- 4037 shale, gray to black, soft
- 4046 limestone, gray to brown, subcrystal-
line, to dense
- 4063 mostly shale, as above; streaks
limestone as above
- 4074 limestone, gray to dark gray-brown,
dense to granular
- 4078 shale, gray
- 4084 limestone, as above
- 4094 shale, hard, dark gray; traces green
shaly sand
- 4108 limestone, dark-brown, dense, very
shaly
- 4139 shale, gray, some very silty
- 4158 limestone, green-gray to brown, dense,
shaly
- 4266 shale, gray to green-gray to brown
some black shale streaks; thin streaks
gray to green-gray to olive limestone
- 4284 chert; white, brown, gray and light
green; opaque, vitreous; streaked
porosity 4266-75, good porosity 4275-84
- 4305 limestone, white to tan, coarsely
crystalline to chalky; chert, white
to light gray, opaque; fossiliferous
- 4338 limestone, white to light tan, glau-
conitic, coarsely crystalline; dolo-
mite, brown to buff, sucrose, cherty;
chert white to light brown; mottled
opaque, vitreous;
- 4345 limestone, gray, finely crystalline,
dolomitic; much gray, opaque vitreous
chert
- 4354 porous limestone and dolomite, as
above
- 4364 dolomite limestone, as above
- 4397 limestone, white, crystalline to gray
and tan, finely crystalline porous;
some blue-gray chert in limestone
- 4402 limestone and chert, as above, no
porosity
- 4416 limestone and chert, as above porous;
increase in chert
- 4421 limestone, white, crystalline to gray,
finely crystalline
- 4475 limestone and chert, as above; porous
4421-31, 4454-56 & 4460-64
- 4501 limestone, as above, porous; much
chert, light gray to white, opaque,
vitreous; chert, light blue-gray,
speckled, opaque, vitreous; streaks
gray shale
- 4505 limestone, as above
- 4563 limestone, white to brown, granular
very cherty; chert, white opaque,
vitreous to devitrified, porous
- 4576 limestone and chert, as above, no
porosity
- 4579 shale, gray
- 4584 limestone, and chert, as above
- 4586 dolomite, sucrose, brown
- 4588 limestone, gray, crystalline to
green, dense
- 4592 shale, gray
- 4611 limestone, white to tan to yellow
crystalline; chert, light blue-gray
to white, opaque, vitreous
- 4618 shale, pale green-gray
- 4629 limestone, green, dense
- 4712 shale, gray, muddy to green-gray
and maroon, silty; trace gray silty
sand, at top; streaks gray-black
shale
- 4726 shale, dark brown-black, spore
bearing
- 4749 sand, white to clear to gray,
glassy, medium to coarse, angular
some silty to dolomitic cement.
- 4752 shale, bright green slightly sandy
pyritic
- 4767 sand, as above
- 4771 shale, as above; some maroon and
gray-green shale
- 4794 sand, white to gray, glassy, well
sorted, subrounded to subangular,
dolomitic; thin inter-fingered
streaks green and maroon shale;
porous 4771-75, 4778-82 & 4791-94
- 4819 mostly shale, as above; probable
thin streaks tan to brown finely
sucrose dolomitic; much dark gray
shale; thin streaks gray to gray-
green, poorly sorted sand
- 4825 sand, gray, glassy, coarse to fine
poorly sorted, subrounded to sub-
angular dolomitic, glauconitic,
grading into sandy dolomite
- 4837 sandy shale, as above
- 4847 sand, white, glassy, coarse, quart-
zitic, fairly well sorted, many
phosphate inclusions
- 4859 shale, gray-black to gray-green
brown and maroon
- 4869 shale, as above, much dolomitic
limestone
- 4871 sand, as above
- 4876 shale and dolomitic limestone
- 4881 sand, white, glassy, very well
sorted; rounded to subangular
friable.
- 4884 shale, as above
- 4899 dolomite, tan to gray to light
brown, very finely sucrose to
medium crystalline, rhombohedral,
some sandy; spotted pinpoint and
fine vugular porosity 4886-93
- 4902 shale, dark green
- 4922 dolomite tan to buff, medium
crystalline to dense; chert, gray
opaque, crypto-oolitic; some tan
to buff, medium crystalline,
rhombohedral dolomite with fair
vugular porosity 4907-12; some
blue gray translucent chert with
brown oolitics and with clear,
included sand grains
- 4932 dolomite, gray, coarsely-crystal-
line, rhombohedral, oolitic, good
vugular porosity

Rine & Frankfort #1 Schon
Sec. 24-32-5W NE SE NW

4935 dolomite tan to brown, finely
crystalline to dense, resinous
Total Depth

Tops:

Pennsylvanian	2008
Tarkio	2190
Willard	2195
Elmont	2234
Base Burlingame	2336
Howard	2400
Severy	2480
Topeka	2582
Calhoun	2624
Deer Creek	2686
Tecumseh	2706
Lecompton	2732
Kanswaka	2745
Elgin Sand	2813
Oread Group	2924
Kereford Limestone	2924
Maumador	2932
Plattsbouth	2942
Heebner	2950
Leavenworth	2956
Snyderville	2966
Toronto	2970
Base Oread	2999
Douglas	2999
Amazonia	3035
Iatan	3314
Stalnaker	3338
Kansas City Group	3390
Kansas City Lime	3581
Base Kansas City	3844
Pleasanton Group	3844
Altamont, Top Marmaton	3906
Cherokee	4084
Mississippi	4266
Kinderhook	4629
Chattanooga	4712
Simpson	4726
Arbuckle	4884

2813-16	trace free oil; Baroid had fair show gas;
3035-64	no show
3338-45	no show
3355-90	no show
3611-14	porous on electric log, no porosity detected in samples.
3627-43	no show
3710-21	no show
3765-68	no show
3799-3803	porous on electric log, no porosity detected in samples
4266-84	no show
4305-38	no show
4345-54	no show
4364-97	no show
4402-16	no show
4421-75	no show
4475-4501	no show
4505-63	no show
4726-49	possible very light stain, no odor or free oil, good florescence
4752-67	no show
4771-94	no show
4837-47	no show
4869-71	no show
4876-81	no show
4884-99	no show
4902-22	no show
4922-32	no show

DRILL STEM TESTS:

- #1 2500-45; open 1 hr., very slight blow throughout test. Rec. 190' very slightly gas cut mud, no oil, gas or water. BHP 1117# in 20 mins., IFP 33#, FFP 122#
- #2 2774-2827, open 1 hr., very weak blow which died in 30 mins., Rec. 10' mud, no oil, gas or water. BHP 916# (20 mins.) IFP 20#, FFP 34#.
- #3 4723-35; open 1 hr., good blow throughout test. Rec. 200' gas cut muddy salt water 720' slightly gas cut clean salt water BHP 1751# (20 mins.) IFP 46#, FFP 567#

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

at 4190' a 12' error was found in the drilling measurements (4190 = 4178). This error had been made at 2006' which should actually be 1994'. Therefore, between 2006' and 4190' all measurements should be corrected 12' up the hole.

Shows:
2505-39' Baroid indicated gas show, no odor or stain in samples;
2582-2624 no show
2686-2706 no show