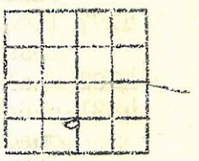
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- W. H. AMIS, JR.
Farm- Henderson No. 1

SEC. 6 T. 26 R. 13W
NE SE SW

Total Depth. 4480'
Comm. 6-23-55 Comp. 9-23-55
Shot or Treated.
Contractor.
Issued.

County Pratt
KANSAS



CASING:
8 5/8" 799'
5 1/2" 4025'

Elevation. 1968 KB

Production. 25 BOPD

Figures Indicate Bottom of Formations.

220 sand
435 shale and red bed
805 sand, shale and shells
1198 shale and sand streaks
1380 shale and shells
1850 sand, shale and shells
2025 shale and limestone
2185 shale and limestone streaks
2295 limestone
2695 limestone and shale streaks
3015 shale and lime streaks
3315 limestone
3365 shale, and limestone
3500 limestone and shale
3510 limestone, cream to tan, finely crystalline to coarsely crystalline dolomitic and calcitic; streak porosity 3502-06
3551 limestone, as above, some very large vugs and some good oolicastic porosity
3559 limestone, tan, finely sucrose to subcrystalline, grading into tan finely sucrose dolomite
3564 shale, soft gray-black to brown-black
3581 limestone, tan, subcrystalline, some slightly dolomitic; streaks shale, as above.
3587 shale, gray-black to brown-black, soft
3592 limestone, tan, subcrystalline to dark brown-black, dense
3601 shale, gray-black to gray-green
3625 limestone, tan to cream, subcrystalline to nearly dense; streaks gray shale
3742 shale, gray to gray-green, some silty, thin streaks gray to light green, fine, calcareous, argillaceous sand
3747 limestone, brown, subcrystalline fossiliferous to dense, sharp resinous
3767 shale, gray; few thin streaks limestone, as above
3799 limestone, tan, subcrystalline, some with dark gray to black fossils; streaks gray shale
3806 limestone, as above, finely crystalline some vugular porosity
3818 limestone, light gray, dense; streaks gray shale
3823 limestone, light gray, finely crystalline slightly porous, streaks brown, sucrose dolomite
3853 mostly limestone, tan to dark gray-brown, dense; trace brown and gray, opaque chert; streaks gray shale
3855 limestone, tan, oolitic and oolicastic; good porosity
3860 mostly shale, gray-green to brown; some thin limestone streaks
3869 limestone, gray to brown, subcrystalline, very good vugular porosity; much gray, opaque chert
3880 cherty limestone and streaks shale, as above
3891 limestone and chert, as above; fair porosity
3900 limestone and chert, as above; streak of gray and brown shale 3892-94
3906 limestone, gray-brown to tan, subcrystalline; chert, gray to white, opaque, some very fossiliferous
3916 limestone and gray-brown shale streaks
3920 limestone, tan, oolitic; fair vugular and oolicastic porosity
3950 limestone, light tan, subcrystalline to dense; streaks gray to dark gray shale; electric log shows streak porosity 3933-37, no porosity detected in samples
3953 limestone, tan to light brown, finely crystalline to dense; fair vugular porosity
3963 limestone, brown, dense
3974 limestone, cream to tan, subcrystalline oolitic; good oolicastic porosity
3987 limestone, tan, subcrystalline to dense; streaks gray and gray-black shale
3989 limestone, cream to tan, subcrystalline earthy, oolitic; spotted oolicastic and interoolitic porosity
3995 shale gray to dark gray
3997 limestone, brown, subcrystalline, argillaceous
4002 limestone, tan to brown, very finely sucrose; good oolicastic porosity
4006 limestone, brown, dense; streaks dark gray shale
4010 limestone, porous as above
4028 limestone, tan, subcrystalline, fossiliferous to brown, dense
4038 shale, gray-black, soft
4048 limestone, tan to gray, subcrystalline, earthy; spotted vugular and oolicastic porosity 4040-48
4078 limestone, tan to gray, subcrystalline fossiliferous; streaks gray-black shale
4095 shale, green-gray to gray
4099 limestone, tan to gray, subcrystalline fossiliferous, some silicified; chert, green to tan, translucent
4103 shale, as above
4107 limestone and chert, as above
4124 shale, streaks limestone, as above
4132 limestone, tan, dense to red, finely crystalline, silicified

(OVER)

4138 shale, tan to maroon to gray-green; nodules of finely crystalline red to salmon limestone
4154 limestone, tan to salmon to gray-green, subcrystalline todense; some salmon to brown translucent chert
4194 shale, red to maroon to gray-green; some salmon to cream, opaque, subvitreous chert
4197 limestone, cream to gray, subcrystalline, fossiliferous; some silicified limestone
4202 shale, as above
4221 chert, cream to white, waxy, vitreous, opaque to semi-translucent; some vugs with trace free oil; much gray and cream to salmon and cream to brown devitrified chert; much tan subcrystalline calcitic limestone; trace saturated finely crystalline dolomite.
4226 shale, gray, silver-gray and gray-green
4238 sand, white to tan, well sorted, glassy, very shaly; few pieces with dark oil stain
4273 shale, green, sandy; shale, as above
4290 limestone, pink to white, finely crystalline, some dolomitic; chert, cream to white, vitreous, opaque to semi-translucent, figured
4300 limestone and chert, as above; much gray-green to pale green shale
4329 limestone, white to tan, finely crystalline, some silicified; chert, as above; streaks gray-green to pale green shale
4366 limestone, white to cream, subcrystalline dolomitic; some pink to white, coarsely crystalline limestone; chert, white, vitreous to subvitreous, opaque to semi-translucent; some cream to white, finely crystalline, sandy limestone toward bottom
4379 shale, dark green to pale green; trace pale green sandy shale
4394 sand, white, medium, glassy, quartzitic, gilsonitic, shaly
4427 shale, green-gray to green to brown-red, some sandy; streaks gray, medium to coarse, poorly sorted, glassy, dolomitic sand; trace red sandy dolomite.
4433 much cream to white and brown, translucent to opaque, oolitic chert; trace creamy finely sucrose, sandy weathered dolomite
4436 dolomite, tan to buff, very finely sucrose to finely crystalline; trace vugular porosity
4454 dolomite, cream to tan, medium crystalline few isolated vugs; much tan subcrystalline dolomite; streaks dark green shale; some white opaque to translucent vitreous chert.
4456 dolomite, tan to cream, medium to finely crystalline, oolitic; good oolicastic porosity
4461 dolomite, as above, very little porosity
4462 dolomite, porous, as above
4470 dolomite, cream to tan coarsely crystalline, rhombohedral, calcitic; streak dark green shale 4466-67
4474 dolomite, as above, oolitic; good oolicastic and vugular porosity
4478 dolomite, white to gray to tan, coarsely crystalline, rhombohedral, some with tripolitic, cement; chert, white, opaque, oolitic.
4480 shale, dark green
Total Depth

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

Tops:

Heebner	3581
Leavenworth	3587
Snyderville	3592
Toronto	3601
Doulgas	3625
Brown Lime	3742
Lansing	3767
Base Kansas City	4048
Marmaton	4078
Mississippi	4202
Kinderhook	4221
Viola	4273
Simpson	4366
Erosional Arbuckle	4427
Arbuckle	4433

DRILL STEM TESTS:

#1 3908-22, open 1 hr., strong blow throughout- gas to surface in 8 min. Rec. 85' oily mud, 240' muddy oil IFP 46#, FFP 156#, BHP 915# (30 min)

#2 3950-76, open 1 hr,, fair blow throughout test Rec. 375' gas, 65' slightly oil and gas cut mud. IFP 35#, FFP 58#, BHP 1034# (30 min. still building rapidly)

#3 3981-4010, open 1 hr., good blow throughtut-gas to surface in 42 min. Rec. 115' slightly oil & gas cut mud 125' very heavily oil & gas cut mud. IFF 75#, FFP 100#, BHP 1000# (30 min. still building rapidly)

#4 4198-4226, open 1 hr., fair blow throughout test. Rec. 65' mud - few spots oil No pressures were recorded on this test due to failure of the recorders.

SHOWS:

3500-10 no show
3510-51 " "
3799-3806 no show
3818-23 no show
3853-55 slight trace stain
3860-69 good brown stain
3880-91 spotted stain
3900-06 spotted stain
3916-20 fair odor and show free oil
3950-53 slight odor, slight show free oil
3963-74 spotted good show free oil, strong odor
3987-89 fair spotted show free oil
3997-4002 good odor; fair to good spotted show free oil
4006-10 show oil, as above
4038-48 spotted stain
4202-21 trace free oil
4221-26 no free oil
4433-36 no show
4454-56 " "
4461-62 " "
4470-74 " "