

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

Company- A. G. HILL
 Farm- Dodson

No. 1

SEC. 21 T. 26 R. 13W
 SW SE NW

Total Depth. 4560'

Comm. 2-5-54

Shot or Treated.

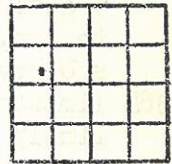
Contractor.

Issued. 5-29-54

Comp. 3-24-54

County Pratt

KANSAS



Elevation. 1938' DF

Production. 168 B & 10% wtr.

CASING:

8 5/8" 420'
 5 1/2" 4500'

Figures indicate Bottom of Formations.

175 sand and shale	3937 limestone & chert, as above; no porosity.
600 red bed	3947 limestone, porous, as above; chert, as above
880 red bed and shells	3958 limestone, as above; streaks brown and gray-green shale
1038 shale & shells	3962 limestone, brown to gray, sub-crystalline, oolitic; good oolitic porosity.
1280 red bed and shells	3995 limestone, tan to brown, sub-crystalline to dense; much gray, opaque chert; thin streaks shale
1600 shale & shells	3997 limestone, white to light gray, oolitic; some oolitic porosity
1780 salt, shale & shells	4008 limestone and brown shale streaks
1885 limestone	4016 limestone, gray, oolitic and oolitic, good porosity; some gray, opaque chert.
2395 limestone & shale	4027 limestone, tan to gray-brown, dense chert, as above
2515 shale & limestone	4031 limestone, gray, dense; spotted oolitic porosity
2635 limestone and shale	4120 limestone, tan to gray to buff, sub-crystalline to dense, lithographic; chert, gray, opaque, earthy; streaks gray-black and gray green shale
3115 shale & limestone	4134 shale, gray to gray-black, green and maroon
3215 limestone & shale	4137 limestone, gray to brown, sub-crystalline
3345 shale & limestone	4141 shale, as above
3500 limestone & shale	4151 limestone, gray to red, sub-crystalline; streaks gray green shale; chert, salmon to gray to amber and black, mottled, vitreous to sub-vitreous.
3504 limestone, gray, sub-crystalline	4154 shale, as above
3508 shale, gray	4168 limestone and chert, as above
3554 limestone, gray, sub-crystalline to crystalline; good vugular and oolitic porosity	4174 shale, black, pyritic to black and maroon mottled.
3562 limestone, light gray, dense	4195 limestone, gray, sub-crystalline to finely sucrose, mottled, spotted vugular porosity (4176-80 4184-95)
3568 limestone, as above, spotted porosity	4222 shale, varicolored
3579 limestone, white to light tan to brown, sucrose, dolmitic; porous	4233 limestone, as above, some dolomitic porous; much chert, as above
3596 limestone, tan, dense; gray shale streaks	4247 Varicolored shale, as above
3607 limestone, light tan, dense; streaks sucrose, porous limestone	4260 chert, white to tan to rust, semi-devitrified; chert, salmon to amber to citrine, vitreous, translucent to semi-translucent; some tan, porous devitrified chert with brown stain; shale, red, maroon, gray and gray-green, rotten.
3615 shale, soft, brown-black	4282 mostly shale & chert, as above; streaks limestone, gray to tan, finely crystalline to dense, cherty
3618 limestone, dark brown, dense, fossiliferous.	(Over)
3628 shale, green-gray	
3635 limestone, white to light tan to light gray, sub-crystalline, chalky; some vugular porosity	
3642 limestone, as above, no porosity	
3670 shale green to green-gray; gray micaceous siltstone.	
3714 sand, gray to brown, fine to medium, angular, micaceous, slightly silty.	
3777 shale, green-gray, trace brown; some shaly sand.	
3782 limestone, dark brown to gray, dense	
3806 shale, gray; streaks limestone, as above	
3840 limestone, light gray; sub-crystalline, chalky & gray to tan sub-crystalline to finely crystalline; trace white, opaque chert	
3848 limestone, gray, dense, some brown, sucrose; fair vugular porosity	
3858 limestone, brown, dense; streaks gray and brown shale.	
3872 limestone, tan to dark brown, sub-crystalline to sucrose; some porosity	
3909 limestone, tan to brown, dense to sub-crystalline; thin streaks brown shale	
3934 limestone, gray to brown, finely crystalline to dense; chert, gray to black opaque; some porosity.	

- 4300 chert, white, opaque, vitreous to waxy, some tan, waxy; chert, white to tan to brown, devitrified; chert, red brown to tan to salmon, semi-translucent.
- 4308 shale, brown, gray-green and pale-green, limy.
- 4322 limestone, gray to tan, dense, cherty
- 4327 shale, as above
- 4339 chert, white, opaque to blue-white translucent, spicular; chert, white to tan, devitrified; streaks gray, sub-crystalline limestone
- 4384 limestone, gray to cream to tan, finely crystalline to dense; some gray, finely crystalline, sandy, glauconitic limestone, dolomitic; limestone, white to cream, finely sucrose to pink dense; chert, brown to white, opaque, sub-vitreous to vitreous.
- 4392 limestone, gray, finely sucrose, dolomitic; porous
- 4414 sandy, dolomitic limestone, as above; some dolomite & dolomitic limestone, cream to gray; finely sucrose
- 4421 shale, gray-green, sandy; trace shaly sand.
- 4434 sand, medium, sub-angular to sub-rounded, fairly well sorted, gray to tan, dolomitic
- 4436 shale, gray, to gray-green, sandy
- 4440 sand, as above, coarser
- 4445 dolomite gray to tan, finely sucrose, some very sandy
- 4452 shale, bright green, sandy
- 4456 sand, gray to tan, poorly sorted, coarse to sub-medium, sub-rounded; porous (4453-56)
- 4470 sand, as above, quite shale in spots; spotted porosity
- 4473 dolomite, dirty brown, sub-crystalline
- 4511 mostly shale, as above, much red-brown shale; streaks sand and dolomite
- 4513 dolomite, buff to cream, finely crystalline, rhombohedral
- 4516 dolomite, buff to cream, medium to finely crystalline, rhombohedral, some silicified, poor vulgar porosity; chert, light gray, opaque oolitic to white, translucent, oolitic
- 4526 dolomite, buff to cream, sub-crystalline; chert, as above; few thin streaks; green shale
- 4530 dolomite, porous, as above
- 4539 dolomite, cream to tan, sub-crystalline to coarsely crystalline, rhombohedral; chert, and thin streaks shale, as above
- 4541 dolomite, cream to tan, medium to coarsely crystalline, rhombohedral; fair to good vulgar porosity
- 4554 dolomite, tan, sub-crystalline to dense, less chert, as above
- 4558 dolomite, coarsely crystalline, as above; fair vulgar porosity
- 4560 dolomite, tan to brown, finely crystalline to dense. RTD
- Total Depth

Tops:

Heebner	3607
Leavenworth	3615
Snyderville	3618
Toronto	3628
Douglas	3642
Brown Lansing	3777
Lansing	3806
Pase Kansas City	4120
Marmaton	4120

Conglomerate	4247
Mississippi	4282
Kinderhook	4300
Viola	4327
Simpson	4414
Arbuckle	4511

DRILL STEM TESTS:

- #1 KC-L, 3832-50; open 1 hr - good blow which decreased to small blow in 15 min. and died before end of test recovered 150' gas cut and very slightly oil cut mud, 180' salt water with trace oil at top shut in pressure 1380# (20 min.)
- #2 3958-68; open 30 min., slight trace blow, Rec. 240' mud - tried to reopen took and it failed to close after the packer was unseated probably less than 10' mud rec. in actual test. Shut in pressure 0#
- #3 4414-28; open 1½ hrs., fair to good blow throughout test. gas to surface in 1 hr and 25 min. Rec. 80' heavily oil and gas cut mud 120' muddy oil, 175' clean oil 5' filtrate, Shut in pressure 1410# 30 min.) IFP 0#, FFP 107#.
- #4 4428-56; open 1½ hrs. good blow throughout test. gas to surface in 1½ hrs., Rec. 65' muddy oil 150' slightly muddy oil Shut in pressure 1465# (30 min.) IFP 30# FFP 90#.

Drillers log 0 - 3500'

Sample log 3500' - to T.D.

3508-3554	trace stain
3562-3568	trace stain
3568-3579	some staining
3596-3607	light stain
3628-3635	fair stain
3670-3714	fair oil stain
3840-3848	trace light stain; DST
3858-3872	slight trace stain
3909-3934	trace light to dark brown stain
3937-3947	trace stain
3958-3962	fair spotted stain, trace free oil, slight odor; DST.
3995-3997	trace stain, no free oil
4008-4016	slight trace odor, trace spotted stain
4027-4031	trace stain
4154-4168	porous on electric log
4174-4195	no show
4222-4233	no show
4247-4260	good brown stain, no odor or free oil.
4327-4339	no show
4384-4392	no show
4421-4434	good odor, very slight show free oil; DST
4436-4440	good odor, slight show free oil; DST
4452-4456	fair odor, slight show free oil; DST
4456-4470	spotted show oil, as above.
4513-4516	no show
4526-4530	no show
4539-4541	no show
4554-4558	no show

All measurements are from the top of the rotary bushing which is three feet above the derrick floor.