

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

Comp. 3-24-54

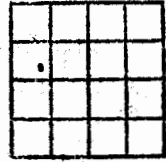
Shot or Treated.

Contractor.

Issued. 5-29-54

County Pratt

KANSAS



Elevation. 1938' DE

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, dolomitic; 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; semi-translucent; some tan, porous devitrified chert with brown stain;
3615 shale, soft, brown-black	
3618 limestone, dark brown, dense, fossiliferous.	
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.	
	4282 mostly shale & chert, as above; streaks limestone, gray to tan, finely crystalline to dense, cherty (over)

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 shaly 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 vugular 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 vugular porosity

4554 dolomite, tan, sub-crystalline to dense, less chert, as above

4558 dolomite, coarsely crystalline, as above; fair vugular porosity

4560 dolomite, tan to brown, finely crystalline to dense. RTD

Total Depth

Top:

Hebner	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.