

7-26-13W

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

Company- MCKNAB DRILLING  
Farm- Donner

No. 1

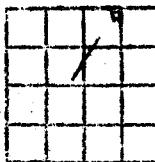
SEC. 7 T. 26 R. 13W  
NE NW NE

Total Depth. 4490'  
Comm. 5-16-55  
Shot or Treated.  
Contractor.  
Issued. 11-26-55

Comp. 6-2-55

County Pratt

KANSAS



CASING:  
8 5/8" 550'

Elevation. 1961' KB

Production. Dry

Figures Indicate Bottom of Formations.

530	rathole	trace salmon, vitreous, translucent
850	sand, shale and shells	chert; streaks gray-green shale, toward bottom
865	anhydrite	
1635	sand, shale and shells	
1865	shale and limestone	3901 limestone, buff to brown, finely crystalline to subcrystalline, fossiliferous, earthy; much brown to gray to white, subvitreous, opaque chert; spotted porosity
1990	limestone	3905 limestone, brown, dense; much chert, as above
2115	shale and limestone	3936 limestone, light gray, finely crystalline to subcrystalline; much chert, as above; some porosity
2325	limestone and shale	3941 shale, gray to gray-green
2575	shale and limestone	3944 limestone, light tan, dense to chalky
2740	limestone and shale	3951 limestone, light gray to buff, finely crystalline; good oolicastic porosity
2850	shale and limestone	3959 limestone, cream to light tan, subcrystalline; trace gray shale
3110	shale	3963 shale, gray to pale gray-green
3500	shale and limestone	3980 limestone, buff to cream, subcrystalline to finely crystalline, slightly resinous, crypto-oolitic
3529	limestone, cream to blue-gray, finely crystalline to medium crystalline; good vugular porosity	3985 limestone, white to cream, very finely sucrose, oolitic; fair vugular and oolicastic porosity, poor permeability
3561	limestone, buff to blue-gray, subcrystalline; some finely crystalline, buff, dolomitic limestone	3993 limestone, tan to salmon, subcrystalline; fossiliferous
3582	limestone, brown to buff, medium crystalline to finely sucrose, dolomitic; good spotted vugular porosity	4001 limestone, white, subcrystalline chalky; poor oolicastic porosity
3587	dolomite, brown, hard, very finely sucrose	4011 limestone, light to dark gray to tan, subcrystalline, mottled
3598	shale, dark gray to gray-black; some brown-black, soft	4019 limestone, tan to brown, subcrystalline; spotted pinpoint porosity from 4011-17
3611	limestone, cream to buff, finely crystalline, slightly dolomitic to very dolomitic; spotted vugular porosity 3603-09	4028 limestone, light gray to white subcrystalline; fair spotted oolicastic porosity
3617	shale, brown-black, soft, fissile, finely micaceous	4033 limestone, tan to buff, subcrystalline
3622	limestone, blue-gray to brown-gray, subcrystalline	4038 limestone, gray to tan, subcrystalline; poor spotted oolicastic porosity
3629	shale, gray to green-gray	4055 limestone, tan to salmon, subcrystalline to dense, some lithographic
3656	limestone, cream to white, finely crystalline to subcrystalline, chalky; much gray shale toward bottom	4061 shale, dark gray to black, soft
3768	shale, gray to green-gray, some silty; thin streaks green-gray, argillaceous sand	4079 limestone, as above; streaks gray and brown shale; trace salmon, vitreous, translucent to opaque chert
3772	limestone, dark brown to nearly black, dense	4093 shale, black, soft
3793	shale, gray; trace limestone, as above	4096 limestone, tan to brown, subcrystalline to dense; streaks gray, black and brown shale
3828	limestone, cream to gray, finely crystalline, to subcrystalline; streaks brown shale, some gray shale, as above	4103 shale, gray to pale green
3831	limestone, as above; trace spotted pinpoint porosity	4108 limestone, tan to brown, subcrystalline, some fossiliferous
3846	limestone, as above; much gray and brown shale	4125 shale, gray to gray-green to gray-black, some silty; trace dark gray siltstone
3851	limestone, light gray, earthy, subcrystalline; spotted oolicastic and poor vugular porosity	4129 limestone, gray green, dense to salmon and tan, subcrystalline; some red and white, mottled, subcrystalline limestone
3882	limestone, gray to brown, subcrystalline to dense, fossiliferous;	

(OVER)

- 4135 shale, maroon, to gray to gray-green  
4154 limestone, as above; streaks shale, as above  
4168 limestone, tan to salmon to buff, with red and amber spots, chert, salmon to amber, vitreous, translucent to opaque  
4174 shale, as above  
4182 limestone, tan to salmon, subcrystalline to dense  
4199 limestone, as above; much red to tan to buff, subcrystalline, silicified limestone; some chert, as above  
4215 limestone and chert as above, very shaly  
4226 limestone, green to gray-green, subcrystalline to dense; some silicified limestone and chert, as above  
4247 mostly shale, light green to gray to dark red; trace gray, opaque chert, some flesh, opaque chert; much nodular weathered limestone and silicified limestone, as above  
4258 much hard, brick-red; shale; much shale, as above; much gray, finely micaceous shale; some chert  
4273 chert, white to tan to brown, opaque devitrified, porous; some cream, subcrystalline silicified limestone, probable streaks shale, as above  
4285 shale, as above; much chert, as above  
4306 chert, as above; much white, opaque, vitreous chert; much white to brown, porous devitrified chert; streaks gray #1 3942-53, op 45 min., weak blow which to green shale  
4311 limestone, tan, subcrystalline, probably some chert, as above  
4336 increase in chert, as above; much cream to white to salmon, vitreous translucent to opaque, figured chert; limestone, cream to white, medium crystalline; some streaks pale green waxy shale; streaks porosity  
4350 limestone, tan to green subcrystalline some tan to white, weathered, medium crystalline limestone; some chert  
4370 increase in chert, as above; some pink to white to red and white, subvitreous, opaque chert; streaks pale green shale; much amber to ochre to tan, subvitreous, semi-translucent chert; streaks porosity  
4396 much pale green, subvitreous to vitreous chert; increase in white to cream, opaque, vitreous chert; limestone, cream to white, finely crystalline to medium crystalline  
4409 limestone, cream to white, subcrystalline, chalky, sandy  
4422 shale, light to dark green, some sandy green shale  
4430 sand, white, glassy, medium to fine, well sorted, rounded to subrounded, feldspathic  
4441 shale, and streaks sand, as above  
4449 sand, gray to light gray-green, coarse to very fine, poorly sorted, angular to subangular, dolomitic, shaly  
4469 shale, as above; shale, pale, dirty green, sandy; trace tan, finely sucrose, very argillaceous dolomite  
4471 chert, white, subvitreous to vitreous, oolitic; possible trace tan, very finely sucrose dolomite  
4477 sand, white, rounded to subangular poorly sorted, frosted to glassy, slightly dolomitic  
4484 dolomite, tan to buff, finely sucrose slightly sandy; trace buff, finely crystalline, oolicastic dolomite  
4487 dolomite, tan, finely crystalline rhombohedral, fair spotted vugular porosity; chert, white, vitreous, sandy  
4490 dolomite, tan to buff, subcrystalline some included sand grains.
- Total Depth  
All Measurements from the top of K. B.  
Drillers log 0 - 3500' Sample log 3500-TD
- TOPS:
- |                   |      |              |
|-------------------|------|--------------|
| Stone Corral      | 850  | drillers top |
| Heebner           | 3611 |              |
| Leavenworth       | 3617 |              |
| Snyderville       | 3622 |              |
| Toronto           | 3629 |              |
| Douglas           | 3656 |              |
| Brown Lime        | 3768 |              |
| Lansing           | 3793 |              |
| Base Kansas City  | 4108 |              |
| Marmaton          | 4108 |              |
| Conglomerate      | 4247 |              |
| Mississippi       | 4258 |              |
| Kinderhook        | 4273 |              |
| Viola             | 4306 |              |
| Simpson           | 4409 |              |
| Arbuckle possible | 4469 |              |
| Definite Arbuckle | 4477 |              |
- DRILL STEM TESTS:
- |  |  |
|--|--|
| #1 3942-53, op 45 min., weak blow which died in 8 min. flushed tool @ 30 min Rec. 30' mud w/few spots oil BHP 125# 20 min. |  |
| #2 4006-40, op 1 hr., weak blow throughout test. Rec. 40' watery mud w/few spots oil. BHP 1360# (20 min)                   |  |
| #3 4256-85; op 45 min - weak blow for 30 min, flushed tool and had weak blow for 8 min. Rec. 50' mud BHP 225# 20 min.      |  |
- SHOWS:
- |           |  |
|-----------|--|
| 3500-29   | no show  |
| 3561-82   | " "  |
| 3598-3611 | " "  |
| 3828-31   | " "  |
| 3846-51   | " "  |
| 3882-3901 | " "  |
| 3905-36   | " "  |
| 3944-51   | good spotted show dark free oil, fair show light brown oil |
| 2980-95   | fair spotted show dark free oil                            |
| 3993-4001 | no show  |
| 4011-19   | slight trace free oil, slight odor                         |
| 4019-28   | slight odor, fair spotted show dark free oil               |
| 4033-38   | spotted stain, no free oil                                 |
| 4258-73   | slight show free oil                                       |
| 4285-4306 | slight stain, no free oil                                  |
| 4311-36   | no show  |
| 4350-70   | " "  |
| 4422-30   | " "  |
| 4471-77   | no show  |
| 4477-84   | " "  |
| 4484-87   | " "  |
- Possible Top Arbuckle 4469; probably Ordovician. Conglomerate 4469-71