

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

7-26-13W

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.

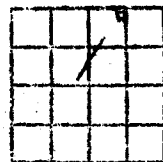
Contractor.

Issued. 11-26-55

Comp. 6-2-55

County Pratt

KANSAS



8 5/8"

CASING:

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

(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 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, oolitic 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 and again had weak blow for 1 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
2980-85 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 " "
Possible Top Arbuckle 4469; probably Ordovician. Conglomerate 4469-71
4471-77 no show
4477-84 " "
4484-87 " "