

KANSAS WELL LOG BUREAU --- KANSAS GEOLOGICAL SOCIETY

508 EAST MURDOCK - WICHITA, KANSAS

COMPANY BARNETT DRILLING, INC.

SEC. 14 T. 9 R. 20W

LOC. NE NE NW

FARM Kern

NO. 1

TOTAL DEPTH 3693'

COMM. 3-28-51

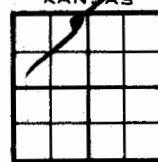
COMP. 4-18-51

SHOT OR TREATED

CONTRACTOR

ISSUED 5-12-51

COUNTY Rooks



CASING

8-5/8" 163' cem. w/125 sxs.

2122 Ind.

ELEVATION 2124 DF

PRODUCTION Dry

FIGURES INDICATE BOTTOM OF FORMATIONS

surface clay	45	shale streak	3294	chert, gray, opaque to translucent; streaks gray-green & brown shale	3546
sand	55	limestone & chert, as above	3299	Limestone, tan to gray, finely xyln to sub-xyln, oolitic	3550
shale	150	Limestone, blue-gray to buff, dense; increase in chert, as above; shale streaks	3321	Limestone, gray to buff, dense, lithographic, increase in buff to white, opaque chert	3578
shale & shells	1080	Shale, brown-black, carbonaceous	3324	Limestone, gray, sub-xyln; much shale, green-gray and maroon	3599
sand	1315	Limestone, blue-gray to tan, dense	3329	Limestone, as above	3607
shale & shells	1548	Shale, gray-green & brown	3343	Shale, black to dark gray, fissile	3611
anhydrite	1575	Limestone, cream to buff, finely xyln to sub-xyln; much white, opaque, sub-vitreous, oolitic chert	3355	Limestone, red to violet, finely xyln to sub-xyln	3618
shale	1795	Shale, brown & gray	3359	Mostly lumpy shale, varicolored; some yellow to amber, opaque chert, some jasperoid chert; much vari-colored limestone; dolomite, cream to tan, sucrose completely silicified; much dark red shale; chert buff to tan, opaque oolitic, sub-vitreous	3650
shale & shells	2140	Limestone, cream to white, finely xyln, oolitic	3362	Dolomite, cream, finely sucrose	3659
shale & limestone	2195	Limestone, tan to buff, dense; much chert, shale streaks at bottom	3398	Dolomite, finely xyln, rembohedral, oolitic & oolitic	3663
limestone	2260	Limestone, white to light gray, sub-xyln oolitic	3402	Dolomite, sucrose, as above, with large included sand grains	3667
limestone & shale	2630	Limestone, tan, dense; trace tan, opaque sub-vitreous chert; streaks gray & brown shale.	3416	Dolomite, as above	3674
shale & limestone	2730	Limestone, as above	3419	Dolomite, as above; some gray to buff, medium xyln dolomite	3685
limestone & shale	3050	Limestone, buff to gray, dense; possibly crypto-oolitic; chert, as above; streaks gray-green & brown shale; chert, as above	3436	Streak gray-green shale	3687
limestone, gray to brown, dense	3062	Limestone, as above	3440	Dolomite, as above; chert, white, with black-brown oolites	3693 RTD
shale, gray, gray-green & brown; sand, fine, grey, sub-angular, micaceous; streaks dense limestone	3117	Limestone, buff to gray, dense; trace chert; trace brown shale	3454	Total depth	
limestone, blue-gray to tan, medium to finely crystalline, oolitic; streaks, gray, brown & black shale	3168	Limestone, cream to gray, finely xyln to dense	3450		
limestone, tan to gray, finely crystalline, spicular	3175	Limestone, buff to gray, dense; trace chert;			
limestone, an above	3182	Limestone, cream to gray, finely xyln to dense	3460		
limestone, tan, sub-crystalline to finely crystalline, oolitic	3191	Limestone, buff to gray, dense; trace chert;			
limestone, gray to tan, dense	3199	Limestone, as above	3463		
limestone, gray to tan, oolitic	3208	Limestone, tan to gray, finely sucrose to dense;			
Limestone, as above;					
shale streaks	3222				
limestone, gray to tan, sub-crystalline; streaks gray & brown shale	3251				
limestone, as above	3258				
streaks limestone & shale, as above	3271				
limestone, gray, finely crystalline to dense	3277				
limestone, as above	3287				
Limestone, cream to buff, finely crystalline; chert, gray, opaque; vitreous; some white devitrified					
chert	3290				

OVER

Barnett Drilling, Inc.
Kern No. 1
NE NE NW 14-9-20W continued

Tops:

Stone Corral 1548
Topeka 3117
Heebner 3321
Leavenworth 3324
Toronto 3343
Douglas 3355
Lansing 3359
Base K. C. 3578
Marmaton 3578
Conglomerate 3618
Arbuckle 3650

3546-3550 Fair to good vugular
and oolitic porosity; good
show free oil, no odor, good
stain

3599-3607 Some vugular porosity;
no odor or stain

3659-3663 Some oolitic
porosity; no odor or free oil;
possible trace stain

D.S.T. 3355-70; open 30 minutes-
very slight blow which died
in 7 min., rec. 10' mud; BHP
0 (15 min.)

3667-3674 Spotted vugular porosity;
no odor or free oil.

3674-3685 No porosity

3687-3693 Porous, stain black,
dead oil residue

D.S.T. 3442-60; open 1 hr-
good blow which lasted through-
out test; rec 625' salt water;
no oil or gas; BHP 990 (15 min)

DST 3545-58; open 45 minutes-
weak intermittent blow which
died in 40 minutes; rec 30'
mud with trace oil; bottom hole
pressure) (15 minutes)

DST 3659-72; open 1 hr.-
fair blow throughout; rec 94'
salt water; no oil or gas; BHP
635 (15 min.)

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

Driller log O-3050

Sample log starts 3050

3168-3175 trace porosity

3175-3182 No porosity

3182-3191 Some porosity

3199-3208 Some vugular & inter-
oolitic porosity

3208-3222 Porous, as above

3251-3258 Trace porosity

3271-3277 Trace porosity

3277-3287 No porosity

3287-3290 Trace porosity

3294-3299 Porous, as above

3359-3462 Fair inter-oolitic
porosity; fair show free,
asphaltic oil-no odor

3398-3402 Fair vugular &
pin-point porosity; fair
show dead oil no odor, good
stain

3416-3419 Spotted pinpoint
porosity; no show

3436-3440 Spotted porosity on
electric log.

3444-3450 Fair to good vugular
porosity; good show free oil,
possibly dead, trace odor,
fair stain

3454-3460 Porous with show oil,
as above.

3463-3468 Porous with show oil,
as above