

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
412 Union National Bk. Bldg., Wichita, Kansas

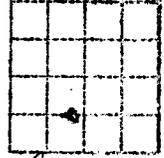
28-16-10W

Company - ARTNELL OIL CO.
Farm - Stoltenberg "B" No. 3

SEC. 28 T. 16 R. 10W
CE $\frac{1}{2}$ E $\frac{1}{2}$ SW
75' NE of CE $\frac{1}{2}$ E $\frac{1}{2}$ SW

Total Depth. 3220'
Comm. 6-29-48 Comp. 9-22-48
Shot or Treated. Acidized
Contractor.
Issued. 10-30-48

County. Ellsworth
KANSAS



CASING:
8-5/8" 335' 5-1/2" 3219'

Elevation. 1841' *Ind.*

Production. 76 BO & 50 BW

Figures indicate Bottom of Formations.

sand, shale & shells	80	limestone, wh sub-xlyn to xlyn	2893
sand & shale	130	shale gy & brwn, some sand fine	
shale & shells	280	silty, calcareous, a few thin	
sand	305	limestone strks	2967
shale & shells	490	limestone drk brwn to gy finely xlyn	
red beds	525	to dense	2974
red beds, shale & shells	625	shale mostly brwn some gy some lime-	
red beds	637	stone strks	2986
anhydrite	660	limestone, wh gy & lgt brwn finally	
shale & shells	1200	xlyn some porosity 2991-2995 and	
salt, shale & shells	1320	2999-3003	3008
limestone & shale	1400	shale	3011
limestone	1890	limestone as above	3016
shale & limestone	2500	limestone, gy to brwn, very oolitic	
shale & junk, trace limestone	2525	& oolitic, very porous	3026
limestone, gy	2531	limestone gy to brwn dense	3032
shale gy	2535	shale gy	3035
limestone, dense, yellow-buff, strks		limestone as above	3040
gy & brown	2566	shale gy	3043
limestone, gy-burr to brwn dense	2588	limestone as above	3050
shale gy	2607	limestone & shale strks	3057
limestone as above	2614	limestone as above	3060
limestone brwn, very sft	2619	limestone gy & brwn many wh chalky	
limestone as above, chert lgt brwn,		oolites fairly oolitic & Por.	3073
translucent, vitreous	2650	limestone, wh to tan, finely xlyn,	
limestone as above, chert gy, opaque		many oolites, no ooliticasts or por.	
non-vitreous	2663	some chert gy opaque	3085
shale, gy & brwn	2666	limestone, tan very oolitic, oolitic	
limestone as above, no chert	2680	and porous	3092
limestone, gy to brwn finely xlyn to		limestone tan to brwn sub-xlyn to	
xlyn, some fusulinids, chert drk.		finely xlyn, strks oolites & ooliticasts,	
gy opaque	2693	trace of chert	3110
limestone, gy to tan, some porosity,		limestone, by to brwn finely xlyn	3126
pin-point & small vugs.	2695	shale gy	3130
limestone as above, no porosity	2705	limestone as above	3136
shale gy	2708	shale gy	3140
limestone as above, no porosity	2715	limestone as above	3148
limestone as above, good porosity	2718	limestone lgt tan dense to sub-xlyn	
limestone, gy finely xlyn	2724	thin strks oolites & ooliticasts,	
shale gy & fine gy sand micaceous		some shale strks	3154
calcareous	2735	limestone as above, trace porosity	3156
limestone, wh to gy xlyn to finely		limestone, lgt tan dense to xlyn	3172
crystalline	2750	limestone, brwn coarsely oolitic &	
limestone, brwn hrd dnese	2763	oolitic, good porosity, poor	
strks limestone & gy & brwn shale	2769	permeability	3183
limestone, as above	2781	limestone brwn finely xlyn	3206
shale, sft blk	2785	limestone tan to brwn xlyn to coarsely	
limestone as above	2810	xlyn some oolites & ooliticasts,	
shale gy	2812	probably strks brwn shale	3210
limestone, wh oolitic	2814	limestone tan to brwn xlyn to dense	
limestone as above, fair porosity	2816	some oolites	3220
limestone as above, no porosity	2820	Total Depth	
limestone & shale strks	2825		
limestone as above	2827		
limestone as above, some porosity	2830		
limestone, gy to tan dense	2864		
shale sft blk	2869		
limestone as above	2872		
shale / limestone strks	2881		

All measurements are from top of rotary bushing which is 2' above derrick floor. A measurement corr. at 2543 showed 2543 as 2553. This error was found on board at about 1400'. This log from 0-2500 has not been corr. but has been corr. below 2500'

(OVER)

Drillers log	0-2500
sample log 2500' to T. D.	
some dead oil stain	2619
no show 2695 and 2718	
fair drk stain, no odor	2816
some stain at 2830	
no show or odor D.S.T. 2990-3015'	
good odor & stain. some free oil	
D.S.T. 3014-3028	
some odor & oil show	3073
very faint odor, possible trace	
of oil stain	3092
no show in samples	3156
trace of odor & stain in the	
top part	3183

Tops:

Stone Corral	637
Topeka	2507
Heebner	2864
Dodge	2881
Base Orchard	2893
Douglas	2893
Brown Lansing	2967

Drill Stem Test:

- (1) 2990-3015; open 30 minutes.
Recovered 30' slightly gas cut mud.
- (2) 3014-3028; open 30 minutes.
Recovered 70' oil and gas cut mud.

After setting casing the #3 Stoltenberg "B" was cleaned out to 3198 and a radio-activity log was run.

Perforated 24 holes 3171 $\frac{1}{2}$ -76 $\frac{1}{2}$. Rainbow of oil 200' wtr & 1/3 BW and no oil in 16 hours.

Perforated 18 holes 3153-56 show live oil.

Set Lane-wells plug 3164

Had 10 gals. wtr & 10 gals. oil.

Acidized 1/1000 gals. 500' wtr & 10' oil.

Set Lane-wells plug at 3106

Perforated 36 holes 3056 $\frac{1}{2}$ -63 no show

Put Cal-Seal on plug up to 3095

Acidized 1/1000 gals.

1200' very salty wtr & 5' dead oil overnight

Swabbed two days-Then well filled 7/1490' wtr & no oil.

Perforated 3 holes at 3084, 3085 & 3086

Swabbed wtr /slight oily show.

Set Lane-wells plug at 3048 /Cal-Seal to 3040

Perforated 36 holes 3015-20 show oil

Acidized 1/1000 gals- Had 1200' wtr & 200' oil

Swabbed 2 days & well then filled 700' wtr & 10' oil.

Shut down indefinitely

Samples examined & log compiled by W. S. Johns.