

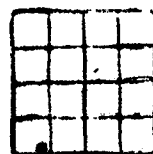
WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.
412 Union National Bank Bldg, Wichita, Kansas.

CITIES SERVICE OIL CO.
Hall No. 2-A.

SEC. 14 T. 11 R. 17W.
SE SW SW
330' N. 978.55E of SW Cor.

Total Depth. 3450 PB 3406 DEEPENING RECORD
Comm. 12-24-37 Comp. 1-21-38
Shot or Treated.
Contractor, Corbett and Barbour
Issued. 9-9-50

County Ellis.



CASING.

15 1/2" 131' cem w/100 sx.
103/4" 1102' cem w/400 sx.
7" 3381' cem w/475 sx.
5 1/2" 3450' cem w/ 50 sx.

Elevation.

Production. Pot. 2664 B.
no wtr. 24 hr.
Nat.

Figures Indicate Bottom of Formations.

surface	96
shale and shells	425
red bed	547
sand shale shells	675
red bed	1103
anhydrite	1175
red bed	1391
shale and shells	1475
salt	1610
shale and shells	1730
broken lime & shale	1820
shale and shells	1900
broken lime	1965
lime	2013
lime and shale	2080
lime	2161
broken lime	2440
shale lime shells	2548
shale and shells	2660
slate & lime shells	2707
shale & lime shells	2779
Topeka lime	2883
lime	3170
lime K.C.	3210
lime	3287
K.C. lime(S.O.light)	3322
(3302-06)	
shale	3326
shale and shells	3373
lime	3379
shale & sdy shale corrod	3382
conglomerate "	3383
lime "	3384
SLM corr. 3384 equals	3381
lime	3388

lime	3436
lime, green shale	3442
lime	3445
lime, sandy	3450
Total Depth PB to	3406

Drilled cement to 3443 SLM.
Perf. 36 shots 3417-23.

2-11-50 Acidized 500 gals.
3417-23.
Pumped 90-99% wtr.

Set retainer at 3330 and squeezed
50 sacks cement; 25 sacks through
perforations at 1800#

Drilled cement to 3431 SLM.

Perf. 30 shots 3417-22.

2-23-50 Acidized 500 gals.
3417-22.
Pumped 98% wtr; did
not recover all oil
used in acidizing.

Set Lane-Wells plug at 3411;
dumped 1/2 sack cement on plug;
PBSD 3406 SLM

Perf. 32 shots 3399-3405.
corrod 500' fluid in 10 mins.
1200' fluid in 40 mins.
1700' fluid in 1 hr. 5 mins.
1915' fluid (220' oil &
1695' wtr) in 2 hrs. 5 mins.

Total Depth.

Top of Arbuckle 3380 SLM
Pen 70'

Pay 3381-83 and 3385-87

DEEPENING RECORD

Comm. 2-1-50 Comp. 2-5-50
Production. Pumped 11 oil,
540 wtr.
Old Total Depth 3388
lime 3392
lime, green shale 3401
lime 3411
lime, green shale 3415
lime 3423