

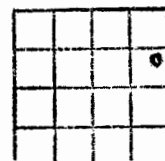
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY  
508 East Murdock, Wichita, Kansas

Company- CITIES SERVICE OIL CO.  
Farm- States "C" No. 1

SEC. 25 T. 5 R. 21W  
NE SE NE  
990' N. & 330' W. of E/4 Corner

Total Depth. 3689 PB 3498  
Comm. 9-2-51 Comp. 9-11-51  
Shot or Treated.  
Contractor. R. W. Rine Drlg. Co.  
Issued. 1-26-52

County Norton  
KANSAS



Elevation. 2215

Production. phy. Pot. 53 Oil  
50% wtr, 24 hrs.

Figures indicate Bottom of Formations.

CASING:  
8 5/8" 210' cem. w/250 sx  
5 1/2" 3686' cem. w/175 sx

surface soil & sand 35  
sand, shale, clay & shells 210  
shale & shells 1150  
clay, shale & shells 1360  
sand 1555  
shale & shells 1660  
red bed & shale 1830  
anhydrite 1850  
shale & shells 2450  
shale 2700  
shale & lime broken 2850  
lime & shale 3290  
lime 3500  
cherty lime 3535  
lime 3665  
shale & lime 3676  
cored: shale, lime & sandy shale 3681  
cored: sandy shale, sand & shale 3686  
cored: shale & sand 3691  
3691 RTD = 3689 SLM  
Total Depth PB 3498

Tops: Corr.  
Heebner 3401  
Dodge 3424  
Lansing 3443  
Reagan 3686

P.B.T.D. 3511 SLM.  
Perf. 33 shots 3488-96'.  
Perf. 37 shots 3473-82'.  
Acidized 1000 gals. 3473-96'.  
Pumped 119 oil, 58 wtr, 24 hrs.  
Set Lane-Wells plug at 3460;  
dumped 2 gals. rock on plug;  
P.B.T.D. 3459 SLM.  
Perf. 37 shots 3441-50; 300'  
fluid in 1 hr. 5 mins.  
Perf. 36 shots 3423-32'.  
950' oil and 860' wtr in 17 hrs.  
Pumped 58 oil, 58 wtr, 16 hrs.  
Set retainer at 3406 and squeezed  
with 150 sx cement; 130 sx  
through perforations; standing  
pressure 2000#.  
Drilled cement to 3453 SLM.  
Perf. 37 shots 3441-50'.  
Perf. 28 shots 3425-32'.  
Acidized 1000 gals. 3441-50'.  
Acidized 1000 gals. 3425-32'.  
Pumped 76 oil, 68 wtr 19 hrs.  
Drilled bridge plug and cement  
to 3498 SLM.  
Perf. 33 shots 3488-96'.  
Perf. 37 shots 3473-82'.  
Acidized 1000 gals. 3488-96'.  
Acidized 1000 gals. 3473-82'.

Penetration 3'

Fillup:  
1330' wtr and show oil in 1 hr.  
1627' wtr & show oil in 1 hr. 15 mins.  
2250' wtr & show oil in 5 hrs. 15 mins.

Dumped 4 sx cement on bottom. Set  
Lane-Wells plug at 3665; dumped 1  
gal. rock on plug; P.B.T.D. 3664 SLM.

Perf. 56 shots 3610-27.  
Acidized w/1000 gals. 3610-27;  
no fluid.  
Set Lane-Wells plug at 3580;  
dumped 2 gals. rock on plug;  
P.B.T.D. 3578 SLM.  
Perf. 41 shots 3555-66'.  
Acidized 750 gals. 3555-66'.  
Pumped 18 gals. wtr with slight  
show oil per hr.  
Perf. 28 shots 3536-43'.  
Perf. 36 shots 3524-33'.  
Acidized with 1000 gals. 3524-43'.  
Pumped 1-2/3 bbls. wtr per hr.  
Set Lane-Wells plug at 3512;  
dumped 2 gals. rock on plug;