

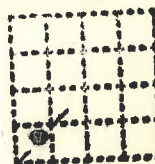
WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.
412 Union National Bank Bldg. Wichita, Kansas.

REPUBLIC NATURAL GAS CO.
Harzman No. 4

SEC. 33 T. 16 R. 11 W.
NE SW SW

Total Depth. 3339
Comm. 8-16-42 Comp. 10-14-42
Shot or Treated.
Contractor. Aylward Production Co.
Issued. 11-14-42

County Barton.



CASING.

85/8" 280' cemented
5 1/2" 3332' cemented.

Elevation.

Production. DRY

Figures Indicate Bottom of Formations.

shale blue and red rock	280
red and blue shale	280
shale and shells	300
shells and shale	540
shale and red rock	760
anhydrite	780
shale	815
shale	1150
salt	1350
salt and red bed	1460
lime and shale	1510
shale	1565
shale and shells	1775
shale and shells	1800
lime	1930
broken lime	1970
shale and lime	2110
shale and shells	2245
shale and shells	2300
shale and shells	2375
broken lime	2400
shale and shells	2530
shale and shells	2650
shale and lime	2750
lime and shale breaks	2830
broken lime	2905
broken lime	2965
broken lime and shale breaks	3045
shale and shells	3080
Kans. City lime	3100
Saturation good	3138-3175
lime	3235
lime soft	3247
lime	3260
broken lime	3337
Rotary Bushing	3339
Total Depth.	

Top Arbuckle 3332
Penetration 3'6"

Plugged off Arbuckle 3335-3288 to
test Kansas City lime. Plugged off Kansas
City at 3000 with cement to pull casing.

10-2-42	1000 gal Halliburton.
10-4-42	4000 gal Chemical Proc.
10-11-42	K.C. 500 Gal " "
10-12-42	K.C. 300 Gal " "