

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

Company - RAY B. PHELPS  
Farm - Wilson

No. 1

SEC. <sup>16</sup>~~12~~ T. 12 R. 30W  
NEc NE

Total Depth. 3878'

Comm. 9-29-46

Comp. 10-22-46

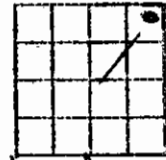
Shot or Treated.

Contractor.

Issued. 5-17-47

County. Gove

KANSAS



Elevation. 2841 *nh + set*

Production. Dry

CASING:

10<sup>3/4</sup>" 266' Cem. w/150 sx

7" OD 3869' Cem. w/100 sx

Figures Indicate Bottom of Formations.

top soil & sand	0-40
sand & shells	140
shale & shells	540
shale sdy	660
shale sft wh	765
shale & shells	885
shale & lime	1010
lime, shells & shale	1295
lime, shale & sand	1400
shale & lime	1485
shale & shells	1610
sand	1715
sand & shells	1795
shale & lime	1805
lime	1812
sand	1845
shale & sand	1930
shale & shells	2125
shale, red bed & shells	2240
shale & shells	2260
lime	2295
shale & shells	2307
anhydrite	2337
shale & shells	2645
lime & shale	2890
lime, shells & shale	2965
lime	3040
lime & shale	3195
lime	3871
shale	3874
lime brkn	3876
lime gy	3878
Total Depth	

16-12-30W

SAMPLE LOG

Phelps et. al.:

Wilson No. 1

NE NE NE 16 - 12S., 30 W., Cove County, Kansas.

Comm. Drlg. October 1, 1946

Comp. Drlg. w/Rotary Oct. 18, 1946

Elevation: (Derrick Floor)

Total Depth w/Rotary 3867'

Casing: 10 1/2" 260' Cemented with 150 sacks

7"

Contractor: Harbar Drilling Company

Note: Formation tops and depths stated are corrected to derrick floor.

Drillers: A.M. Wayne Perry  
Day Ross F. Yankee  
P.M. C. L. Miles

Abbreviations Used

lime = limestone    crys. = crystalline    tex. = textured

Depth

Descriptions of Formations

3290-3330	White and light-gray, fine, sandy, chalky, slightly cherty lime with little siltstone and little gray and red shale
3330-50	Red with little gray shale
3350-80	Light-dark mottled gray, fine tex. with little fine crys. lime, slightly cherty at top
3380-90	Red with little gray shale
3390-95	Gray mottled, fine tex. lime
3395-3400	Red with little gray shale
3400-35	Gray mottled, fine tex., chalky lime with few solid oolites and little chert at top
3435-60	Light-gray and gray mottled fine tex. chalky lime
3460-70	Red with little green and red shale and little greenish-gray, fine grained micaceous sandstone
3470-90	Red with some gray shale
3490-3515	Light gray, partly mottled, fine tex., slightly cherty lime
3515-25	Red and gray shale
3525-30	Light gray and mottled, fine tex. lime

DELMER L. POWERS, WICHITA, KANSAS

Phelps et. al.:Wilson No. 1

- 3530-35 Red and gray shale
- 3535-55 Light-gray, fine tex., chalky lime with little fine  
crys. lime
- 3555-65 White, chalky, soft lime
- 3565-70 Red and gray shale with some fine tex. lime
- 3570-95 Light-gray and white, fine tex. and little fine crys.  
lime with few solid oolites and slightly porous in upper  
part
- 3595-3605 Light-gray and white, fine tex. lime with some red and  
gray shale and gray, fine micaceous sandstone
- 3605-17 Gray and red shale with some light-gray, fine tex. lime
- 3617 (- ) Top Topeka limestone
- 3617-30 Light-gray and white, fine crys. with some fine tex.  
lime - slightly porous at top (Circ. 2 hrs. at 3628')
- 3630-39 Red with little gray shale and some light-gray--white,  
fine crys. and fine tex. lime
- 3639-48 White, chalky, soft lime--no oil (Cir. 1½ hrs. at 3648')
- 3648-55 White and light-gray, fine tex. with some fine crys.  
lime
- 3655-80 Light-gray and white fine tex. and fine crys., cherty  
lime -- much oolitic chert
- 3680-90 Light-gray, fine tex. lime
- 3690-3725 White, fine tex. chalky lime--upper part slightly cherty
- 3725-3805 White, fine tex. and little light-gray, fine crys. lime  
with some red shale
- 3805-25 White, fine tex. and little light-gray, fine crys.,  
partly cherty lime with some solid oolites; - slightly  
porous at top
- 3825-45 White and light-gray, fine tex., chalky lime with little  
fine crys. lime
- 3845 (- ) Top Heebner shale
- 3845-48 Black carbonaceous, finely laminated shale
- 3848-55 Light-gray and gray, fine crys. with little fine tex.  
lime

Phelps Et AL # 1 Wilson

16-12-30 W

- 3855-65 Red with some pale-green and gray, fine, micaceous shale
- 3865 (- ) Top Lansing-Kansas City limestone
- 3865-67 White and light-gray, fine crys., partly cherty lime-- few sub-oolites (Chert white and opaque) Circ. 1½ hrs. at 3867'
- 3867 (Derrick Floor) Total Depth w/Rotary

7:30 P.M., Friday.  
October 18, 1946.



Delmer L. Powers,  
Petroleum Geologist

DELMER L. POWERS, WICHITA, KANSAS