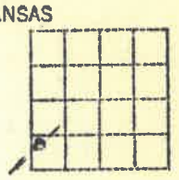
WELL LOG BUREAU - - KANSAS GEOLOGICAL SOCIETY
412 Union National Bk. Bldg., Wichita, Kansas

Company - W.L.HARTMAN
Farm - Knop No. 1.

SEC. 2 T. 20 R. 12 W
NW SW SW

Total Depth. 3402'6"
Comm. 6-24-44 Comp. 7-20-44
Shot or Treated.
Contractor. Keyes Drlg.Co.
Issued. 9-16-44

County. Barton
KANSAS



CASING:
10¾" 290' Cem.
5½" 3346'

Elevation.

Production. Dry

Figures Indicate Bottom of Formations.

sand	90
shale	260
red rock	590
anhydrite	625
red rock	720
shale & shells	1120
salt	1155
salt & shale	1435
shale & shells	1545
anhydrite	1550
lime brwn	1690
lime break	1805
lime	1975
lime & shale brks	2100
shale	2205
shale & shells	2505
lime & shale	2600
lime	2675
lime brwn	2725
lime	3024
shale & lime brkn	3040
lime	3285
lime & shale	3325
lime	3341
Conglomerate	3345
lime	3395
soft from 3398-99	3399
lime	3402'6"
Total Depth	

below 300' fr bottom.Oil decreased & wtr increased. Shut down 1 hr. filled 800'; next hr had 1600' of wtr in hole. Shut down 6 hrs.,had 2300' of wtr in hole.

Geol.sample log of Arbuckle formation:

3346 to 3347	cement & shoe
3375	Dolomite finely crystalline - dense fair spotted stain - traces of translucent chert-no porosity.
3379	Dolomite tan finely xlyn - good spotted stain - no porosity - traces of blk chert.
3391	Same - no blk chert.
3395	Dolomite tan med xlyn. Rough - good spotted stain - poor porosity.
3401	Dolomite tan med xlyn - rough - very cherty - fair oil stain & porosity
3402'6"	Dolomite gry finely xlyn - poor spotted stain - no porosity - trace of green shale

Had 1 gal. free oil per hr.
7-18-44 Acidized w/500 gals.acid. Swbbed out - made ½ bbl. oil per hr. no wtr
7-19-44 Acidized w/750 gals. acid. Swbbed out, tested - made 1 bbl. oil per hr. - no wtr.
7-20-44 Acidized w/1500 gals. acid. Swbbed down to 300' of bottom & made considerable oil & wtr. Could not swab