

23-21-19W

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

Company- KENNETH RUPP
Farm- Scott

No. 1

SEC. 23 T. 21 R. 19W
C SW NW

Total Depth. 4475'

Comm. 11-3-61

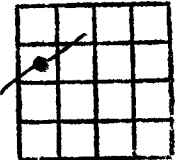
Comp. 11-18-61

Shot or Treated.

Contractor. K & E Drlg.

Issued. 2-3-62

County Pawnee
KANSAS



CASING:
8 5/8" 320' cem w/125 ex.

Elevation. 2078' KB

Production. Dry

Figures indicate Bottom of Formations.

subsoil & clay	40
sand	90
shale	120
sand	170
shale & shells	322
sand	750
shale	800
shale & shells	1065
red bed & shells	1185
Anhydrite	1200
Anhydrite & red bed	1212
red bed & shale	1252
shale	1690
shale & shells	2004
lime & shale	2335
lime	2945
lime & shale	3093
lime	4160
lime & Cherokee sand	4175
lime	4273
Mississippi Chert	4317
lime	4475 RTD
Total Depth	

TOPS: LOG

Anhydrite (scout)	1185
Heebner	3612
Toronto	3630
Lansing-Kansas City	3695
Base Kansas City	4050
Pennsylvania Conglomerate	4153
Mississippi	4226
Kinderhook	4273
Viola	4313
Simpson	4441
Arbuckle	4466

23-21-19W

K. & E. Drilling, Inc.
719 Union Contor
Wichita, Kansas

Property of
Kansas Geological Society
540 Petroleum Bldg.
Wichita, Kansas

Re: K. & E. Drlg., #1 Scott
C SW NW, Sec. 23-21S-19W
Pawnee County, Kansas

General Data:

OPERATOR:	K & E. Drlg., Inc.	CONTRACTOR:	Company Tools
COMENCED:	11-3-61	COMPLETED:	11-18-61
SURFACE PIPE:	8 5/8" 322/325 sx	OIL STRING:	None
ELEVATION:	2078 Kelley bushing	TOTAL DEPTH:	4475
	2070 Ground	PRODUCTION:	D & A

Samples were saved and have been examined microscopically from 3400 ft. to 4475 ft. A one (1) foot drilling time log was kept from 3400 ft. to 4475 ft. A Schlumberger (Laterolog-Gamma Ray-Neutron) log was run on completion of drilling operations.

Listed below are formation tops as determined by sample examination and the electric log. Depths below the surface and minus data were taken from the Kelley bushing elevation of 2078 ft. and have been corrected to Schlumberger measurements.

<u>Formation</u>	<u>Samples</u>	<u>E-log</u>	<u>Sub-sea Datum</u>
Neobner Sh.	3610	3612	(-1534)
Toronto	3628	3630	(-1552)
Lansing-Kansas City	3695	3695	(-1617)
Base Kansas City	4010	4050	(-1972)
Penn. Conglomerate	4160	4153	(-2075)
Mississippian	4226	4226	(-2148)
Kinderhook	4280	4278	(-2200)
Viola	4313	4313	(-2235)
Simpson		4441	(-2363)
Arbuckle	4466	4466	(-2388)
Total Depth	4475	4475	(-2397)

Porous and possible fluid bearing zones encountered in the subject well are as follows:

Topeka Samples started at 3400 ft. within the Topeka formation - this section was porous for most part and appeared to be extremely chalky - no shows of oil observed.

Toronto 3630
3650-3629 Limestone, gray-cream-buff, fine crystalline, dolomitic, porous, no show of oil observed.

Lansing-Kansas City 3696
3696-3701 Limestone, gray-buff, fine crystalline, good oocastic porosity, chalky, no show.
3769-3776 Limestone, gray-cream, fine crystalline, chalky, no show.
3784-3793 Limestone, gray-cream-buff, fine crystalline, good oocastic porosity, chalky, no show.

K & E. Drlg. #1 Scott

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Geological Report

Lansing-Kansas City (cont.)

- 3810-3821 Limestone, gray-buff, fine crystalline, broken oolastic porosity, no show.
- 3841-3844 Limestone, gray-buff, fine crystalline, cherty, no show of oil observed.
- 3925-3930 Quantitative Analysis: Porosity 13-16%; Water 40%
Limestone, cream-white, fine crystalline, very chalky, no show.
- 3964-3969 Limestone, gray-white, fine crystalline, chalky, no show.

Penn. Conglomerate 4153

- 4162-4172 Sandstone and chert, sand gray frosted medium grained sub-rounded, very friable, mainly loose sand, questionable trace of stain, cherts varicolored weathered, shaley.
Quantitative Analysis: Porosity 12-15%; Water 45-65%

D.S.T. #1

- 4160-4175 Tool open 32 min. - weak intermittent blow
Recovered: 20 ft. of drilling mud
I.F.P. 22 p.s.i. I.S.I.P. 1180 p.s.i. in 15 min.
F.F.P. 33 p.s.i. F.S.I.P. None

- 4180-4210 Broken sands and some cherts as above, no show
Quantitative Analysis: Porosities 17-28%; Waters 64-100%

Mississippian 4226

- 4226-4255 Chert, white-gray, opaque, tripolitic, spongy porosity for most part, no show
Quantitative Analysis: Porosity 18-25%; Water 90-95%

Kinderhook 4273

- 4232-4308 Sandstone, gray, fine-medium grained glassy, hard, porous. No show.
Quantitative Analysis: Porosity 8-10%; Water 100%

Viola 4313

- 4314-4353 Limestone, gray-buff, fine crystalline, dolomitic, much yellow and reddish orange fresh cherts, no show.
Quantitative Analysis: Porosities 9-17%; Water 60-100%
No sand or show of oil observed

Simpson 4441Arbuckle 4466

- 4466-4473 Dolomite, white, fine-medium crystalline, only slight inter-crystalline, porosity, no show.
Quantitative Analysis: Porosity 7-10%; Water 74-90%

Total Depth 4475

Structure:

The structural position of the #1 Scott with other test wells in the area is given in the following table:

	K&E Drlg. #1 Scott	Aylward #1 Weiden	Welch & Olsen #1 Proffitt
	C SW NW	NW C	SE C NW
	Sec. 23-21S-19W	Sec. 15-21-19W	Sec. 25-21-19W
Heebner	(-1534)	(-1536)	(-1532)
Lansing	(-1617)	(-1619)	(-1621)
Mississippian	(-2148)	(-2141)	(-2166)
Arbuckle	(-2388)	(-2379)	(-None)

K & E Drlg. #1 Scott

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Geological Report

COMMENTS and RECOMMENDATIONS

Only a questionable light show of oil was observed in the top of the Penn. Basal Conglomerate sand and chert section. This zone was drill stem tested with negative results. No other shows of oil were observed throughout the well. The Schlumberger log failed to reveal any possible productive zone, therefore, the #1 Scott was abandoned as a dry hole in the top of the Arbuckle formation.

Sincerely,

Richard E. Roby

Richard E. Roby

RER:or