

WELL LOG

15-163-19211-00-00

COMPANY The Krueger Co.

SEC. 18 T. 9S R. 16W
LOC. N/2 NW/4 SW/4
(660' FWL-330' FNL of SW/4)

FARM Dougherty "B" NO. 1

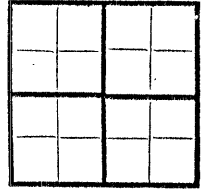
RIG. NO.

TOTAL DEPTH 3270'

COMM. 7-17-45

COMP. 9-12-45

COUNTY Rooks
KANSAS



CONTRACTOR C. W. Trickett

CASING

20 10
15 8-5/8" @ 75' w/75 SX
12 6
13 5 1/2" @ 3166' w/100 SX

ELEVATION 2034 RB

PRODUCTION 25 Bbls. oil
+ 15% water

FIGURES INDICATE BOTTOM OF FORMATIONS

Shale & lime	0 - 80'		
Shale	150'		
Sand	200'		
Shale	550'	Anhydrite	1285' - 1320'
Sand & shale	1285'	Topeka	2918'
Anhydrite	1320'	Lansing-	
Shale & salt	1605'	Kansas City	3163'
Shale & lime	2918'	Total Depth	3270'
Lime	3120'		
Shale & lime	3163'		
Lime	3270'		
TD	3270'		

Acid: 1000 gallons open hole
3166' - 3270'

State of KANSAS }
County of SEDGWICK } ss:

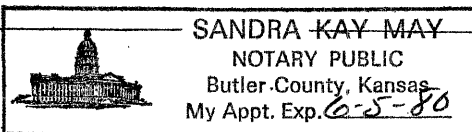
I, James R. Daniels of the _____ Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Dougherty "B" No. 1 well.

James R. Daniels
James R. Daniels

Subscribed and sworn to before me this 7th day of November 1977

My Commission Expires: _____



Sandra Kay May
NOTARY PUBLIC
Sandra Kay May