

Source: Fred Dexter, 1/10/34

**GEOLOGICAL DEPARTMENT
UNION GAS CORPORATION
INDEPENDENCE, KANSAS**

23-31-22E

Company Lightning Creek Oil and Gas Company,
McCune, Kansas.

S. T. R. 23-31-22
County Cherokee
State Kansas
Lease and Well No. Arch Rugg #1

Contractor

Drilling Commenced

Drilling Completed

About 1922

Initial Production about 100 M. gas
Plugged

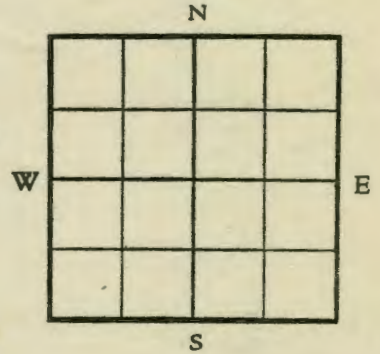
Initial Rock Pressure

Location Approx. 600' East of West line NE/4 of SW/4
200' North of South line

Casing

10" 22"

1,521 FSL : 3,377 FEL
SW NE SW
KGS-DKL L60 web NAD83
10/25/2022



Driller's Record of Formations

soil	0	0		
clay	8	18	lime and flint	380
clay & gravel	18	21	lime brown	400
coal	21	22	lime flint	405
shale & water	23	26	lime white	465
lime	26	28	lime white and flint	500
shale white	28	38	lime	605
shale	38	41	lime and flint	640
coal	41	43	lime	670
shale black	43	55	shale green	690
shale gray	55	70	lime brown	697
shale & sand	70	85	lime & flint	720
shale black	85	105	sulphur water at 780'	
lime	105	107	sand and water	805
shale black	107	115	lime and flint	810
lime	115	118	lime brown and flint wh	825
shale white	118	130	lime white	900
shale black	130	140	lime and flint	930
shale	140	145	lime white	970
coal 3'	143	145	lime white and flint	985
shale white	145	160		1036 L.M.
shale gray	160	183		
sand barren	183	193		
shale black	193	200		
shale white	200	220		
shale gray	220	240		
shale white 3d	240	255		
shale	255	272		
coal	272	275		
shale white	275	290		
shale black	290	306		
lime	306	310		
shale black	310	335		
lime and iron	335	342		
Polinitic flint	342	356		
lime	356	370	with good flow of gas, light show of oil at 360-366'	
lime	370	380		