county Bates

sec 28 twp 41 rge 33

owner Kaw. O&G Co. (Development)

elev 849 MGS# — spl

farm Long, C.L. No. 1 TD 357 fm@TD ? shows gas

status 350,000 Ft³ gas date completed 1931

remarks:

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KA 004

LOG OF KAW OIL AND GAS COMPANY.

C. L. Long No. 1.

SE. ¼ SE. ¼ Sec. 28, T. 41 N., R. 33 W.
Elevation, 845 feet.

	Thickness, Feet.	Depth, Feet.	
Clay	6	6	
Sand	13	19	
Shale, gray	6	25	
Lime, hard	12	37	(Pawnee.)
Shale, gray	15	52	
Lime, hard	5	57	
Slate, black	7	64	Gas.
Sand	9	73	
Shale, gray	14	87	
Lime	16	103	(Upper Ft. Scott.)
Slate	2	105	
Shale	5	110	
Lime	3	113	(Lower Ft. Scott.)
Shale	1	114	
Sand	3	117	(Top of Squirrel.)
Shale	3	120	
Sand	42	162	Gas.
Shale, gray	2	164	
Sand	36	200	
Shale, gray	17	217	
Lime	2	219	
Shale	3	222	(Rich Hill.)
Lime	1	223	
Slate, black	1	224	Gas.
Shale, gray	8	232	
Sand, gray	3	235	
Shale, gray	9	244	
Sand	2	246	
Shale, gray	7	253	
Slate, black	1	254	
Shale, gray	2	256	
Sand	2	258	
Shale, gray	15	273	
Sand	2	275	
Shale, brown	5	280	
Shale, black	14	294	
Slate, black	4	298	Gas.
Shale, gray	4	302	
Shale, white, sandy	32	334	(Top of Bartlesville.)
Sand	10	344	Gas.
Shale	1	345	
Shale, sandy	3	348	
Sand	4	353	
Shale, gray	4	357	T. D.

MISSOURI
BUREAU OF GEOLOGY
AND MINES

BIENNIAL REPORT *of the*

STATE GEOLOGIST

TRANSMITTED BY THE
BOARD OF MANAGERS OF THE BUREAU
OF GEOLOGY AND MINES TO THE
FIFTY-SEVENTH GENERAL
ASSEMBLY, 1933

MDCCCXX

H. A. BUEHLER
DIRECTOR AND STATE GEOLOGIST
ROLLA, MISSOURI