

35253

4-15-16E

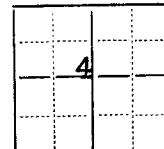
WELL LOG BUREAU, KANSAS GEOLOGICAL SOCIETY
BITTING BUILDING, WICHITA, KANSAS

CASING RECORD

LOCATION

SEC 4 T 15 R 16 E.

10" FARM Badger NO. #1 COUNTY Osage
20" 8 1-4 COMPANY Elmhurst Inc. Co.
15 1-2 6 5-8 CONTRACTOR
12 1-2 5 3-16 COMMENCED COMPLETED



TOTAL DEPTH

SHOT

QUARTS BETWEEN

CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO

ELEVATION 1174, L.S.

FIGURES INDICATE BOTTOM OF FORMATIONS

INITIAL PRODUCTION

REMARKS

Formation	Depth	Formation	Depth
lime	40	lime	920
shale	60-116	shale	930
lime shells	70	lime	940
shale	90-76	lime	960
lime	110	slate	965
shale	130	lime	995
lime	160	shale	1000
shale	180	lime	1010 - B46
lime	190	shale	1055
shale	205	shale sandy	1100
lime	230	shale	1165
shale	255	lime	1175
lime	265	slate	1465
shale	305	lime	1475
lime	310	slate	1640
shale	335	lime	1655
lime	360-10	slate	1700
shale	380	lime	1720
shale	465	lime	1975
sand (Water)	540	slate	2070
slate	628-4	lime sandy	2745
lime	632	sandstone, red	
lime	665	(granite)	2835
slate	675		
lime	685		
slate	695		
lime	745		
shale	760		
slate	805-10		
lime	865		
slate	890		
lime	900		
slate	910		

SS

301510

LOG OF WELL DRILLING BY
ELMHURST INVESTMENT COMPANY

OF TOWNSHIP, RANGE, CO.,

ON BADGER FARM, SECTION 16, T. 13 N., R. 15 E., S. 16 E.

N.W. 1/4 Sec. 4-15-16, GRADE COUNTY

NEAR CARBONDALE, KANSAS

STARTED AUG. 13, 1920

COMPLETED July 15, 1921

T.D. 3015, in Pre K rocks

Plotted 4-15-16 E
NW/4

Plotted L.R.

el 1135
HAS.

elev. is also given
as 1174, with
a later measurement

Nature of Strata.	Color.	Hard or Soft.	Thickness.	Total Depth.	Remarks.
Black soil & clay		Soft	15	15	
Lime	Gray	Hard	25	40	
Shale	Blue	Soft	20	60	
Shelly Lime	Gray	Hard	10	70	
Shale	Blue	Hard	20	90	
Lime	White	Hard	20	110	
Shale			20	130	
Lime	Gray	Hard	30	160	
Shale	Blue	Hard	20	180	
Lime	White	Hard	10	190	
Shale	Gray	Soft	15	205	
Lime	Gray	Soft	25	230	
Slate	Gray	Soft	25	255	
Lime	Blue	Hard	5	260	
Slate	Gray	Hard	5	265	
Slate	Blue	Hard	10	275	
Lime	White	Hard	5	280	18" 502
Slate	Gray	Hard	25	305	
Slate	Blue	Soft	5	310	No Water. Set 15" pipe
Shale	Black	Hard	15	325	562 - Steel line measurement.
Shale	Brown	Soft	65	390	(Water at 470)
Sand	Gray	Soft	75	465	(Full at 540.)
Slate	Gray	Shelly	85	550	
Lime	Gray	Forcible hard	4	554	
Lime	Blue	Hard	4	558	
"	Gray	Hard	10	568	
"	White	Hard	10	578	
Shale	Black	Soft	10	588	
Lime	Gray	Hard	10	598	
Slate	Blue	Soft	10	608	
Lime	White	Hard	60	668	
Slate (Sandy)	Blue	Hard	15	683	
Slate	Gray	Soft	45	728	
Lime	Gray	Hard	55	783	
Shale	Blue	Soft	5	788	Set 12" casing.
Slate	Blue	Soft	20	808	
Lime	White	Soft	10	818	
Slate	Blue	Soft	10	828	
Lime	Gray	Hard	10	838	
Shale	Blue	Soft	10	848	
Lime	Brown	Hard	10	858	
Lime	Gray	Hard	20	878	
Slate (Sandy)	Blue	Soft	5	883	

<u>Nature of Strata.</u>	<u>Color.</u>	<u>Hard or Soft.</u>	<u>Thickness.</u>	<u>Total Depth.</u>	<u>Remarks.</u>
Lime	Gray	Hard	20	905	
Shale	Blue	Soft	5	1000	
Lime	Gray	Hard	10	1010	
Slate	Gray	Soft	45	1055	A little water.
Shale (Sandy)	Blue	Soft	45	1100	
Shale	Gray	Soft	65	1165	
Lime	White	Hard	10	1175	
Slate	Blue	Soft	15	1190	
Sandy Shale	Gray	Soft	20	1210	
Slate	Black	Soft	10	1220	
Slate Shells	Gray	Soft	20	1240	
Slate	Black	Soft	20	1260	
Slate Shells	Black	Soft	20	1280	
Slate	Gray	Soft	15	1295	
Slate	Black	Soft	20	1315	Hole Caving.
Slate	Gray	Soft	110	1425	
Slate	Black	Soft	5	1430	
Shale	Brown	Soft	10	1440	
Slate	Gray	Soft	25	1465	
Lime	White	Hard	10	1475	
Shale	Gray	Soft	30	1510	Set 10" at 1520.
Slate	Black	Soft	95	1605	2 Barrels Water.
Slate	White	Soft	15	1620	
Slate	Black	Soft	25	1645	
Lime	Brown	Hard	10	1655	
Shale	Black	Soft	30	1685	
Slate	Gray	Soft	5	1690	
Shale	Black	Soft	10	1700	Hole Caving - Top Miss. Lime.
Broken Lime	Brown	Hard	20	1720	
Lime Sharp	Brown		40	1760	
Lime	White	Hard	215	1975	Set 6" at 1902'; Hole full of water at 1915.
Lime	Brown	Hard	3	1978	1st Break in Miss. Lime.
Slate	Blue	Soft	10	1988	
Slate	White	Soft	82	2070	
Lime	Gray	Hard	18	2088	Set 6"
Lime	Gray	Hard	14	2100	
Lime	Gray	Hard	20	2120	
Lime Sandy	Gray	Hard	10	2130	
Lime	Gray	Hard	70	2200	Hole filled with water.
Lime	Gray	Hard	40	2240	
Water Sand	White	Hard	5	2245	
Sand	Yellow	Hard	45	2290	
Lime	White	Hard	390	2680	Bottom Miss. Lime.
Polimitic Lime	Gray	Hard	65	2745	
conglomerate	Pink	Hard	92	2837	Granite
Sandstone	reddish	hard	178	3015	

well abandoned July 15-1921