

Same

- 2 -

34-4-11C

Diamond Drill at Horton, Kansas 33-4-17E Brown~~xxx~~ County

Limestone	4'	484' 4"
Hard shale	6'	490' 4"
Sandy shale (salt water, if I remember it flowed for some time)	8' 6"	498' 10"
Sandstone	12' 8"	511' 6"
Hard shale	23' 4"	534' 10"
Conglomerate lime	4'	538' 10"
Hard shale	16' 6"	555' 4"
Sandy limestone	2' 4"	557' 8"
Slate & limestone	2' 6"	560' 2"
Hard shale	3' 6"	563' 8"
Conglomerate lime	2' 4"	566'
Shale & limestone xxxxxx	22' 8"	588' 8"
Black slate	8' 7"	597' 3"
Limestone	18' 6"	615' 9"
Green shale	14'	629' 9"
Paint rock (red)	1' 2"	630' 11"
Clay shale	26'	656' 11"
Sandstone	4'	660' 11"
Clay shale	22' 8"	683' 7"
Sand shale	2' 6"	686' 1"
Hard shale	22' 8"	708' 9"
Blue limestone	2' 4"	711' 13"
Hard shale	2'	713' 1"
Blue limestone	5' 6"	718' 7"
Paint rock (red)	8'	726' 7"
Mica, sand shale	4' 6"	731' 1"
Paint rock (red)	5'	736' 1"
Mica sand shale	30' 8"	766' 9"
Clay shale	34' 1"	800' 10"
Limestone	3' 6"	804' 4"
Conglomerate	1'	805' 4"
Hard sandy shale	13' 6"	818' 10"
Limestone lime mixed slate & sandy	49' 3"	868' 1"
Limestone	15' 9"	883' 10"
Clay shale	15' 11"	899' 9"
Shale	3' 6"	903' 3"
Shale	13'	916' 3"
Limestone	8' 7"	924' 10"
Shale	12'	936' 10"
Limestone	12' 7"	949' 5"
Shale	2'	951' 5"
Black slate	1' 6"	952' 11"
Conglomerate lime-	2'	954' 11"
Shale	7'	961' 11"
Limestone	4'	965' 11"
Shale	6' 11"	972' 10"
Limestone	11' 7"	984' 5"
Shale	10'	994' 5"
Black slate & lime mixed	99' 2"	1093' 7"
Limestone	12' 4"	1105' 11"

To. 1108

35057

WELL LOG BUREAU, KANSAS GEOLOGICAL SOCIETY

719-720 Union National Bank Bldg., Wichita, Kansas

can see 32
NE Kas. also
LOG

CASING RECORD

LOCATION

SEC 33 T 4 R 17 E

(Well at Horton)

10"
20"
15 1-2
12 1-2

FARM Brown
COMPANY Diamond Drilling Co.
CONTRACTOR
COMMENCED

NO. 1 COUNTY Brown

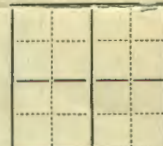
COMPLETED

TOTAL DEPTH 1108'.

SHOT

QUARTS BETWEEN

CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO



ELEVATION 1015, L.S.

INITIAL PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS
REMARKS

Formation	Depth	Formation	Depth	Formation	Depth
soil	37	(X Iatan Li)		shale	937
(Pennsylvanian)		lime	474	lime	950
(Waubensee Form)		(Weston Sh)		shale	952
(Williard Sh)		shale bl	478	shale bl	954
hale	66	lime	481	lime Cog	956
lime	71	shale bl	482	shale	963
shale gray	85	lime	486	lime	967
(Burlington Li)		shale hd	492	shale	974
lime	88	shale andy Water	500	lime	987
hale bl	91	snd	513	shale bl	1096
lime	92	shale	536	lime	1108
hale bl	96	lime Cong	540		
lime	100	shale	556		
(Shawnee Form)		(Lansing Form)			
(Scranton & Severy Sh)		(Stanton Li)			
shale gray sdy	128	lime andy	558		
lime bl	131	shale & lime	560		
coal	132	hale	563		
shale	144	lime Cong	565		
Cong	145	lime & shale	588		
shale	240	(Vilas Sh)			
(Topeka Li)		shale bl	597		
lime	242	(Plattsburg Li)			
shale	260	lime	615		
lime	261	(Lane Sh)			
(Calhoun Sh)		shale	656		
shale andy	299	sand	660		
(Deer Creek Li)		shale andy	708		
lime	302	(Kansas City Form)			
shale bl	304	(Iola Li)			
lime	309	lime blue	710		

shale	322	lime blue	718
(Lecompton Li)		(Chamute-Cherryvale Sh)	
lime	328	shale red	800
shale sandy	331	(Winterset xx Li)	
lime	334	lime	805
(Kanwaka Sh)		(Galesburg Sh)	
shale bl sandy	351	shale sandy hd	818
(Douglas Form)		(Bethany Falls-Bertha Li)	
(Oread Li)		lime & sh	867
lime sandy	383	lime	883
(Lawrence Sh)		(Marmaton Form)	
shale	385	shale	899
sand Water	391	lime	903
shale sndy	459	shale	916
		lime	925