

Company Ruf Drilling Co.

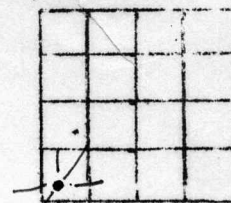
Sec. 24 T. 10 E. 23 E *Plotted*  
Loc. 550' E of WL  
400' N of SL *of SWc*  
NE SW SW SW  
County Wyandotte 24-10-23E

Farm Winters Estate No. 1

Total Depth 647

Comp. 1/11/31

Comm.  
Shot or Treated  
Contractor  
Issued



Elevation 963

Casing

20 in. 10 in. 4 3/4" -- 475'  
15 1/2 8 1/4  
12 1/2 6 5/8  
13 3/8 5 3/16

Production 500,000 cu. ft. gas  
110 # RP

Figures Indicate Bottom of Formation

clay	15	lime	507
sand rock	45	shale black	509
shale	48	shale grey	511
lime	55	lime sandy	514
shale	70	shale	516
lime	85	lime	518
shale	109	shale	523
lime	117	lime	530
shale	122	sand (Peru)	536 1/2 gas
lime	132		
shale	158	Packer set at 525'	
lime	187		
shale	192	Deepened 5/7/31	
lime	200	Prod. 800,000 cu. ft. gas	
shale black	201		
shale	207	sand	543 little water
lime	220	shale	552
shale	225	lime <i>Lax</i>	556
lime	238	shale black	560 little water
shale	254	shale sandy	564
lime	263	lime	570
shale	266	shale	580
lime	272	lime	584
shale	275	shale	592
lime	278	lime	595
shale	281	shale black	596 water
lime	295	lime	600
shale black	296	shale	601
shale	302	lime	605
lime	320	shale	606
shale black	322	lime	614 } <i>sq 33+</i>
<i>Hartley</i> lime	337 gas show	sand	647
shale	340		
red bed	342 SLM		T.D.
shale	380		
sand	382 gas		
shale	445		
lime	452		
shale	454		
red bed	455		
lime	462		
shale	502		