

Log of #1 Wallace- well- drilled on NW1/4 NW1/4 Sec. 3,

Twp. 20 N., of Range 36 E., Union

County, N. H.

Spudded in Aug. 1, 1951.

Ft. Ft.

Top soil	0 to 10
Caliche	10 20
Rock caliche & clay	20 30
Hard rock	20 28
Gravel & clay	28 42
Clay	42 70
Gray slate rock	70 98
Water in gravel & clay	98 100
Clay & rock	100 118
Hard rock	118 123
Clay	123 135
Sand rock	135 148
Clay & slate	148 166
Set 16" casing-- shut off water	156
Red clay & shale	156 175
Red clay and some lime	175 205
Red Clay, shale & lime	205 235
Red Clay, shale & lime	235 245
Set 16" casing, using clay to seal off water at 245 ft., pulling out all 16" casing.	
Red clay and shale lime	245 300
Bit broke in again, but kept drilling.	
Increased amount of red sand clay	300 337
Dark green shale and clay	337 352

Soap stone, green shale	352	355
Mixture of brown, red & green clay	355	367
Conglomerate of colors of shale & clay	367	382
Red clay, some sand, gas smell	382	440
Gray green shale	440	448
Deep red shale- hard	448	500
Red & gray green shale	500	579
Red shale, some sand & green mixture; gas and some oil show, but due to water in hole standing back to 85 ft. resumed drilling; this show started at 580 ft. and con- tinued to 592 ft.		
Dark red clay, very hard	592	611
Encountered sand	611	
Set 7" casing and had it cemented with 150 sacks of cement; drilled out plug, and hit water in sand which rose to within 200 feet of top; sand was from - - - -	611	622
Clay and shale	622	659
Dark brown clay and sandy	659	690
Green, brown and yellow conglomerate	690	720
Very rotten shale and conglomerate of green, brown and yellow, which stopped operation on well	690	748