

23-34-25E

Sec. 23 T34 R25

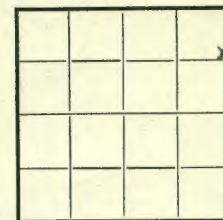
Loc. SE Cor. NE NE

County Cherokee

Company

Farm Galena City Well

No.1 South



Total Depth

Comm. 1918-1919

Comp. About Oct. 15, 1919

Shot or Treated

Contractor Perry L. Crossman

Issued

Casing

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

Elevation

Production

Figures Indicate Bottom of Formation

0 to	5	Soil and red clay	
5 to	10	Hard gravel	
10 to	25	Red clay and flint	
25 to	41	Red clay and flint	
41 to	48	Clay and flint boulder	(Reamed hole to 26" Put in 18" wood
48 to	55	Flint boulders	conduit settled to 51 feet)
55 to	68	Hard flint and lime	
68 to	88	Solid lime tight	
88 to	100	Limestone	
100 to	112	Hard and soft stratas of lime	
112 to	125	Lime and flint	
125 to	129	Solid lime, some water	
129 to	135	Flint and lime	
135 to	140	Very hard lime	
140 to	144	Hard, Lime 5 days drilling 14'	
144 to	146	Very hard flint	
146 to	148	Very hard lime	
148 to	152	Hard lime	
152 to	162	Hard lime	
162 to	164	Hard flint and lime	
164 to	200	Very hard flint and lime	
200 to	310	Hard lime and shale	
310 to	312	Shale	
312 to	315	Very hard shale rock	
315 to	340	Lime, hard and smooth	
340 to	346	Flint and lime, Thin stratas: Water level stands 65 feet	
346 to	360	Flint and lime	
360 to	374	Lime	
374 to	380	Flint	
380 to	385	Grey lime	
385 to	390	White lime and flint	
390 to	400	Mixed lime, white and grey	
400 to	414	Smooth lime, March 8, 1919	(Finished depth of 17" hole March 12, 1919
414 to	416	Flint	Began setting 12" casing)
416 to	421	Smooth lime stone	

Company

Sec. 23 T. 34 R. 25E cont.

Loc.

County

Farm

Galena City Well

No. 1

Total Depth

Comm.

Comp.

Shot or Treated

Contractor

Issued

Casing

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

Elevation

Production

Figures Indicate Bottom of Formation

From 414 feet to bottom of hole tapered off gradually with 15 1/2" bit, ending in bottom with 14 1/2" bit; lead Packer Size 14 1/8". Set the casing and it went to the bottom free, but it did not shut off the water. Reset it at 423' and it still did not shut off the water tight. Pulled casing second time and drilled hole to taper of 12" pipe less collar or with 12" bit. Casing settled into hole and went to bottom of hole 432' deep making a very good shut off of the water.

421 to 432	Lime and flint, No water
432 to 500	Lime and flint, No water
500 to 750	Smooth limestone, Good drilling
750 to 800	Mixed sand in very hard stratas
800 to 805	White sandrock, Very hard, Water level 130 feet
805 to 815	Flint and lime
815 to 850	Hard white flint in lime
850 to 877	Sandstone, 7 bits for 2 feet, Used 40 bits but hole is straight and in good shape; water level 135
877 to 882	Very hard shale rock
882 to 900	Smooth hard lime
900 to 907	Alternate Stratas Very hard
907 to 908	Crevice
908 to 911	Very hard shale
911 to 919	Hardest rock in hole, Bastard lime stone
919 to 923	White clear sandstone, Water level 141' from surface
923	Pin broke and left 10" bit in hole, drilled by with smaller bit
923 to 938	White Sandrock, Water level 141'
938 to 960	Lime
960 to 1000	Grey lime
1000 to 1040	Lime and flint, Hard drilling
1040 to 1060	White flint and lime stratas
1060 to 1090	Grey lime
1090 to 1110	Flint and lime
1110 to 1170	White lime
1170 to 1177	Grey limestone