

## Hickory Hills - Ray Tanguon

0-18	brown mud
18-30	white mud
30-32	white mud & sand
32-37	white mud
37-132	penn shale
132-145	penn shale & Cedar Valley
145-253	Cedar Valley
253-271	Wapsi
271-276	green-blue mud
276-300	lime & green mud
300-	Niagara
525	T.D.

8" well casing 320'

145 Bags of Cement /

Raydangen  
Blue Shale

5 Star Enterprises Nick Hills

T.D. 519.55

Static 195

Pump 140-150 gpm 339'

339' 8" P.E. Welded P. oc

P.D. 100 ft AT 140 gpm,

set 336 for 140 gpm,

a conservation rating

0-15 Clay

15-25 Grey mud

25-40 Sandstone

40-105 Pen. Shale

105-117 Shale, Lime

117-140 Shale

140-160 Shale Lime

160-329 Cedar Valley

329-505 Niagra

505-519 ~~oc~~ Lime with chert

Cement 8" Pipe

in 12 1/4" hole

339'



unknown if  
this relates to  
this well

# Winslow Drilling Co.

Industrial, Municipal, Farm and Home  
Cable Tool and Rotary Well Drilling

===== 5 TO 30 INCH =====

PHONE, DAV. (319) 391-5740

P.O. BOX 162, WALCOTT, IOWA, R.R. 1 52773

~~Storage~~  
Bul 23

June 2, 1977

R.J. Tangen, President  
Blue Grass Savings Bank  
Blue Grass, IA 52726

Hickory Hills

TD = 519'

Dear Mr. Tangen:

The well is constructed as follows: Drilled 12 $\frac{1}{4}$ " hole to 339 ft. at that time, 340 ft. of 8" casing 28 lb. A53 Grade B, was placed in the well. Then the casing was cemented in place from the bottom to 60 ft. from the top with 140 bags of cement mixed with 5 $\frac{1}{2}$  gallons of water to a bag. There was a lost zone at 60 ft. We then back filled 3500 lb. mixture of cement, sand and water to the surface. We then drilled 7  $\frac{7}{8}$ " hole 180 ft. from 339 to 519 ft. The well was then tested at 140 gallons per minute, static water level was 195 ft. with the permanent pump to be set at 336 ft. for 150 gallons per minute. You should have a safe pump setting for four or five years, although we do recommend installing an air line with the pump so the draw down and pumping level can be checked periodically. The workmanship and material are guaranteed for seven years from the date of completion. the date of completion being May 25, 1977.

Sincerely,

Edwin F. Winslow

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