

S

hawver WELL COMPANY, INC.

WATER WELL DRILLING AND REPAIRING

P.O. BOX 266

DIAL 319-237-5341

FREDERICKSBURG, IOWA 50630

CITY OF SWALEDALE

LOG OF WELL

DRILLED: May, 1984

LOCATION: Cerro Gordo County, Pleasant Valley Township, Sec. 10 Northwest part of town.

0'	to	4'	Topsoil
4'	to	10'	Sand and clay
10'	to	17'	Clay
17'	to	20'	Clay and limerock
20'	to	45'	Black, brown and gray limerock Made water at 35'
45'	to	60'	Shale
60'	to	65'	Shale and limerock
65'	to	75'	Brown limerock
75'	to	145'	Black, brown and gray limerock
145'	to	180'	Brown and gray limerock
180'	to	185'	Brown and gray limerock
185'	to	190'	Brown limerock (water)
190'	to	215'	Gray limerock
215'	to	265'	Brown limerock (water)
265'	to	270'	Light gray and brown limerock
270'	to	280'	Gray limerock
280'	to	295'	Gray limerock and sand stone (water)
295'	to	300'	Gray and brown limerock
300'	to	315'	Gray and brown limerock and some sandstone
315'	to	320'	Gray limerock and some shale
320'	to	350'	Brown limerock
350'	to	355'	Brown limerock and some shale
355'	to	360'	Gray and brown limerock
360'	to	375'	Brown limerock
375'	to	380'	Brown and gray limerock
380'	to	400'	Brown limerock
400'	to	420'	Buff brown limerock, trace of green shale
420'	to	430'	Buff gray limerock
430'	to	440'	Gray limerock
440'	to	450'	Dark gray limerock

The well is cased to 41' 10" with 18" outside diameter casing. The well is also cased from 2'6" above ground level to 180' below ground level with 10" inside diameter x .375 wall A53B casing equipped with a forged steel Butler Larkin drive shoe. An 18" hole was drilled to 180' and 245 sacks of cement grout were pumped in the annular space. A 10" open hole was then drilled to 450'.

The static water level is 55'. The well drew down to 182' pumping 109 gallons per minute. The 24 hour test was run at 100 gallons per minute with a maximum drawdown of 153'.