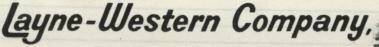
Well Information - Rock Wells







WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 5001# 27635 Phone 515 232-3563 City of Manly Date 11/26/85 Name of Job_____ Manly State Iowa Well No: ____4 Drillers: Dean Heldt Well Location: 1700 ft. (E) and 1300 ft. (N) of the SW corner of the SE 1/4 of Section 21, Twp. 98 (N), Range 20 (W) Worth County. Otherwise located as ____ Staked by Engineer Work Began: 10/21/85 Work Completed: 11/26/85 Casing Record: Dia. Wt. or Thickness Material Amount Steel with P.E. joints from 0 to 100' 100' .375 _with _____ joints from _____ to _ _with _____ joints from _____ to ____ ____with _____ joints from _ ____ to ____ Hole Record: inch from _____ 0' to 14' 26 14' to ____ 22 108' inch from 108' to 343' 12 1/4 inch from __ inch from _ inch from _ Cementing Record: Cemented through float shoe with 115 bags of neat cement Well Test Data: Static Level 30'; pumping level 76' after 24 hours pumping at 357 g.p.m. Length of test 24 hrs. See Well Test Data Sheet Dated 11/21/85 Remarks: _

WELL LOG

		Description
Feet	Fect	
0	2	Black top soil
2	- to — 15	Brown clay
15	- to - 53	Blue gray till, wood at 43'
53	- to -111	Very hard white to brown limestone shale streaks, slight fluid loss
111	- to118	White to light gray limestone, shaley limestone streaks
118	to 128	Light brown limestone
128	- to	Gray limestone Gray green shaley limestone
$\frac{136}{138}$	$- to - \frac{138}{148}$	Brown limestone
148	- to -159	Green gray limestone (shaley)
159	- to 162	White limestone
162	- to 165	Brown limestone
165	170	Green gray shaley limestone
170	- to	Brown limestone Green shale streaks from 200
269	to 272	White to light gray limestone
272	to 280	Brown limestone
280	to 299	Gray shaley limestone Light brown limestone
299	$- to \frac{303}{303}$	Light brown limestone
303	_ to _343	Gray limestone traces of shale
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