Well Information - Rock Wells RECEIVED JUN 2 8 19



Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of JobCity of Garrison	changing to) dept nwo	Date	5/20/84
CityGarrison,				Iowa
Well No:3 Drillers: Dea	an Heldt	Areh of med	187 Bc	377
Well Location:ft. ()	and	ft. (), of the	corner
the NW 1/4 of Section 28, Twp. 85				
Otherwise located as150' South of Wa		A detail eve	325 85	310
HELION TOWNSTONE	danti amor	CONTRACT OF	AN EAS	201
Work Began:	Wor	k Completed:	285 VOS	6/22/84
Casing Record:				
Amount Dia. Wt. or Thickness				01
150' 14" .375 -	Steel_with_	P.E. join	ts from148.5	to
	with	join	its from	to
	with	join	ts from	_ to
	with	joir	nts from	_ to
Hole Record:				
24 inch from	0 to	19'		
* inch from1				
13 inch from 15	50' to	471'		
inch from	to			
inch from	to		botto	om of hole
Cementing Record: 85 sacks Portla	and-admix, 30	00# Bentonit	ce, 6 gallons t	water per
bag. Pump through Cement Shoe				
Well Test Data: Static Level 115; pump				
Length of test 24 hrs. See Well Tes				
Remarks: Set 8" Pitless				
		450	idmill Points O First Avenue	
	SEE OTHER		ralville, lowa 522	

WELL LOG

Feet		Fect	Description Description
			SOD & black TOPSOIL
0	— to -	3 .	
<u>3</u>	— to –	16 19	Yellow brown CLAY Brown CLAY
	— to –	66 .	Blue gray hard TILL (Pebbly & Cobbles)
19	— to -	90	Brown light (changing to white) LIMESTONE
90	— to -	92	Blue green SHALE
92	— to -	155	Brown light to light gray LIMESTONE & DOLOMITE
155	— to -	176	Gray dark LIMESTONE
176	— to -	187	Brown to dark brown LIMESTONE & DOLOMITE
187	— to -	200	Brown to white LIMESTONE
200	— to -	218	Gray green LIMESTONE
218	— to -	225	Gray LIMESTONE
225	to -	259	Gray & light brown LIMESTONE
259	to -	310	Brown to gray light LIMESTONE
310	to -	325	Brown light LIMESTONE
325	to -	335	Blue gray SHALEY LIMESTONE
335	to -	345	White to gray, some light brwon LIMESTONE
345	to	369	White LIMESTONE
369	to .	385	White LIMESTONE & green SHALEY LIMESTONE
385	to	415	White LIMESTONE & CHERT
415	to	450	White LIMESTONE & CHERT w/trace SHALE
450	to	471	Brown white, some gray LIMESTONE
,	to		Amount Little We of Thickness Material
2,1+	to	2 88.1 mg	1501 Tall sees sees with Path Colored
	to		
7	to		x A statis) litin
	to		
	to		O st obticit
	to		
	to		ST HINKS
	to		
	to		Hole Record:
	to		
	to		24 Inch from
	to		SOUR STATE OF THE
	to		18 theb from 181
	to		
		-	
		inttod	mont don
	+0		
290	to	ealions w	Cementing Record 25 cook sections of the Rontonite 6
	10	-	Cementing Record
	to		Dad. Pump through the state of
	to		The state of the s
250 gu	to	alargos Pauc	Well Test Data: Static Lovet 2152, pumping test 221 U efter 24 ho
			WEB 1581 Date. Diens Level - Colored State - C
			Length of test 24 the See Well Test Date Short Deted . 6/19/6
	to		Remarks: Repartment to the profession of the part and the part
			SEE OTHER SIDE
	The second second		