h-3-431

ALTON WELL & CONCRETE company inc.

Box F
Alton, Iowa 51003
(712) 756-8818

WELL INFORMATION

CONTRACT Harlan Municipal Utilities, Harlan, Ia DATE April 28, 1989

WELL NUMBER 31 AT TEST HOLE NUMBER _____ DATE OF WELL COMPLETION 8/18/89

WELL LOCATION Along west side of Nishnabotna River, south of Chatburn Ave.

DRILLER Larry Vande Brake, Ed Brandt

	DIAMETER	LENGTH	WELL THICKNESS OR GUAGE	MATERIAL	TYPE	SIZE SLOT OPENINGS
WELL CASING	10"	39'-8½	.365 wall	black pipe	welded	-
WELL CASING						
SCREEN	10"	8'		Stainless steel	welded	.050 slot

SCREEN: BRAND Johnson Filtration FITTINGS Stainless steel weld ring on top

BOTTOM Stainless steel plate DEPTH SCREEN SET 31'- 39'

GRAVEL PACK: SIZE #1 Muscatine QUANTITY USED 3 1/4 tons

DEPTHS GRAVEL PACK SET 26'-41' INSTALLATION METHOD 3" Tremie line

	TYPE OF GROUT	DEPTHS PLACED
GROUT	bentonite	21'- 26'
	neat cement	0'- 21'

BORE HOLE DIAMETER 30" DRILLING METHOD Bucket Auger

DEPTH OF WELL FROM NATURAL GROUND LEVEL 39'

WELL HEAD COMPLETION TYPE Burm and pump house

WELL HEAD EXTENTION ABOVE GROUND 3' above pump house floor

FINAL DEPTH OF WELL FROM TOP OF WELL HEAD TO BOTTOM 47'-8½

ADDITIONAL COMMENTS: _____

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LOG OF WELL FROM GROUND LEVEL

FEET		FEET	FORMATION
0	TO	2	top soil
2	TO	5	silty sand
5	TO	11	fine sandy clay
11	TO	20	dirty fine sand
20	TO	21½	gray dirty sand
21½	TO	23	clean gray sand & gravel
23	TO	24	sandy clay
24	TO	27	med. yellow-green sand & gravel, slightly dirty
27	TO	31	finer clean yellow-green sand & gravel
31	TO	39	clean gray-green sand & gravel & small rock
39	TO	41	blue clay
	TO		

DRAWING OF WELL (not to scale)

