

Layne-Western

A division of Layne Christensen Company

25450 Highway 275

Valley, Nebraska 68064

WELL INFORMATION

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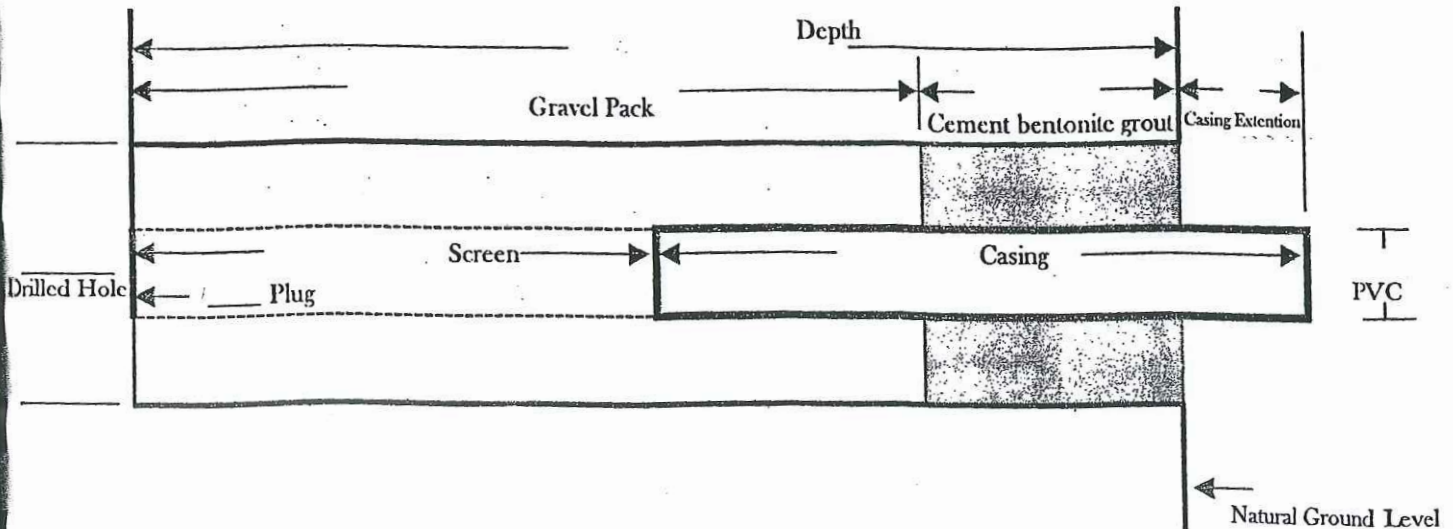
CONTRACT South Sioux Rural Water

WELL No. B-3

Log of well from ground level:

(Well B-3 site)

Feet		Feet	Formation
0	to	6	Top soil black (Mud Viscosity 30)
6	to	20	Fine to medium sand
20	to	40	Fine to medium sand (200 gal. Mud loss)
40	to	43	Hard ledge
43	to	60	Yellow clay - firm
60	to	71	Greyish blue clay - hard
71	to	73	Hard boulders
73	to	75	Hard clay
75	to	80	Soft brown clay
80	to	99	Grey clay
99	to	100	Gravel - rock
100	to	115	Medium to coarse sand
115	to	117	Yellow clay
117	to	120	Medium to coarse sand
120	to	125	Yellow clay mixed with sand
125	to	126	Hard ledge
126	to	140	Grey clay with rocks
140	to	158	Grey clay



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WELL INFORMATION

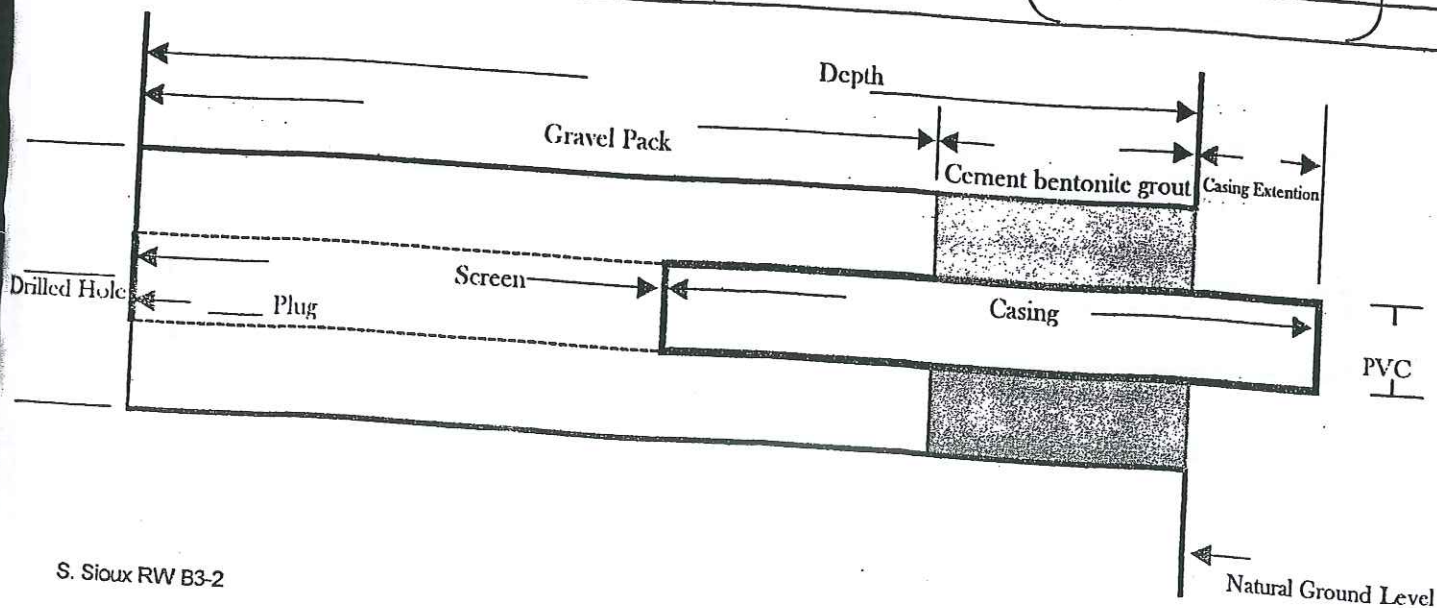
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CONTRACT South Sioux Rural Water

WELL No. B-3

Log of well from ground level:

Feet		Feet	Formation	
158	to	160	Hard ledge	
160	to	173	Grey clay	
173	to	175	Hard ledge	
175	to	180	Black rock - hard	
180	to	200	Sandstone fine to medium	
200	to	220	Sandstone fine to medium	(Some shale stringers)
220	to	225	Sandstone fine to medium	(Some shale stringers)
225	to	239	Grey clay or shale	
239	to	240	Sand layer	
240	to	245	Sandstone	
245	to	250	Shale layer	Mud viscosity 31
250	to	260	Sandstone	
260	to	280	Sandstone	
280	to	300	Sandstone	250 gal. Mud loss
300	to	320	Sandstone	
320	to	340	Sandstone	
340	to	355	Sandstone	
355	to	356	Hard ledge	

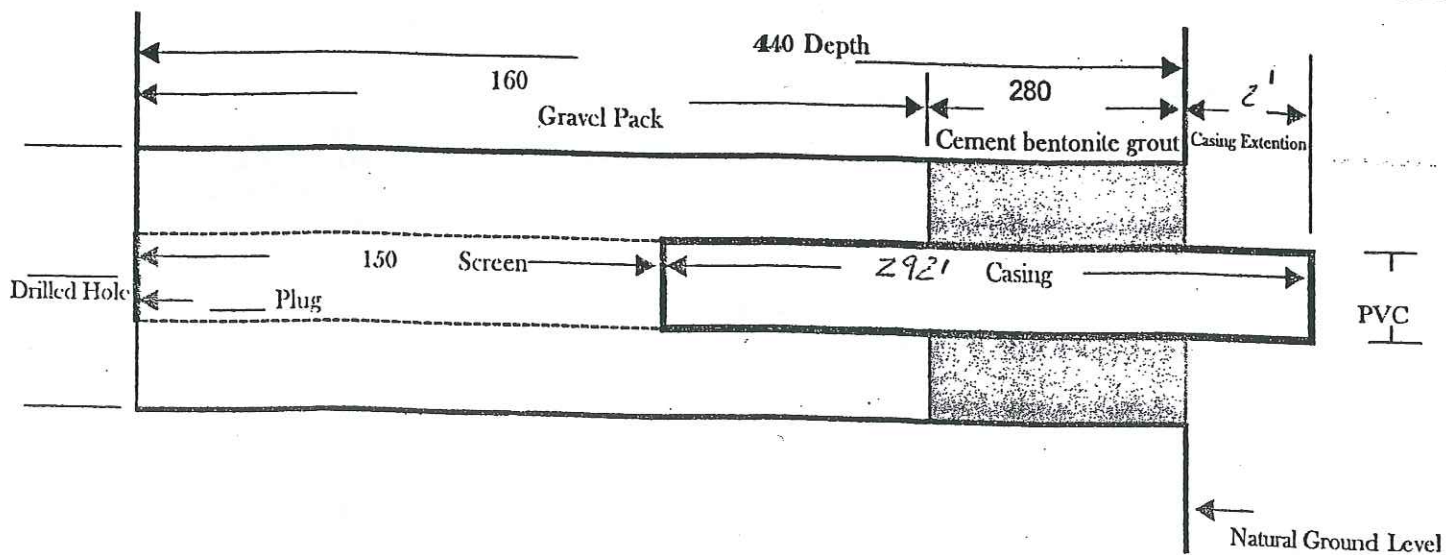


Valley, Nebraska 68064

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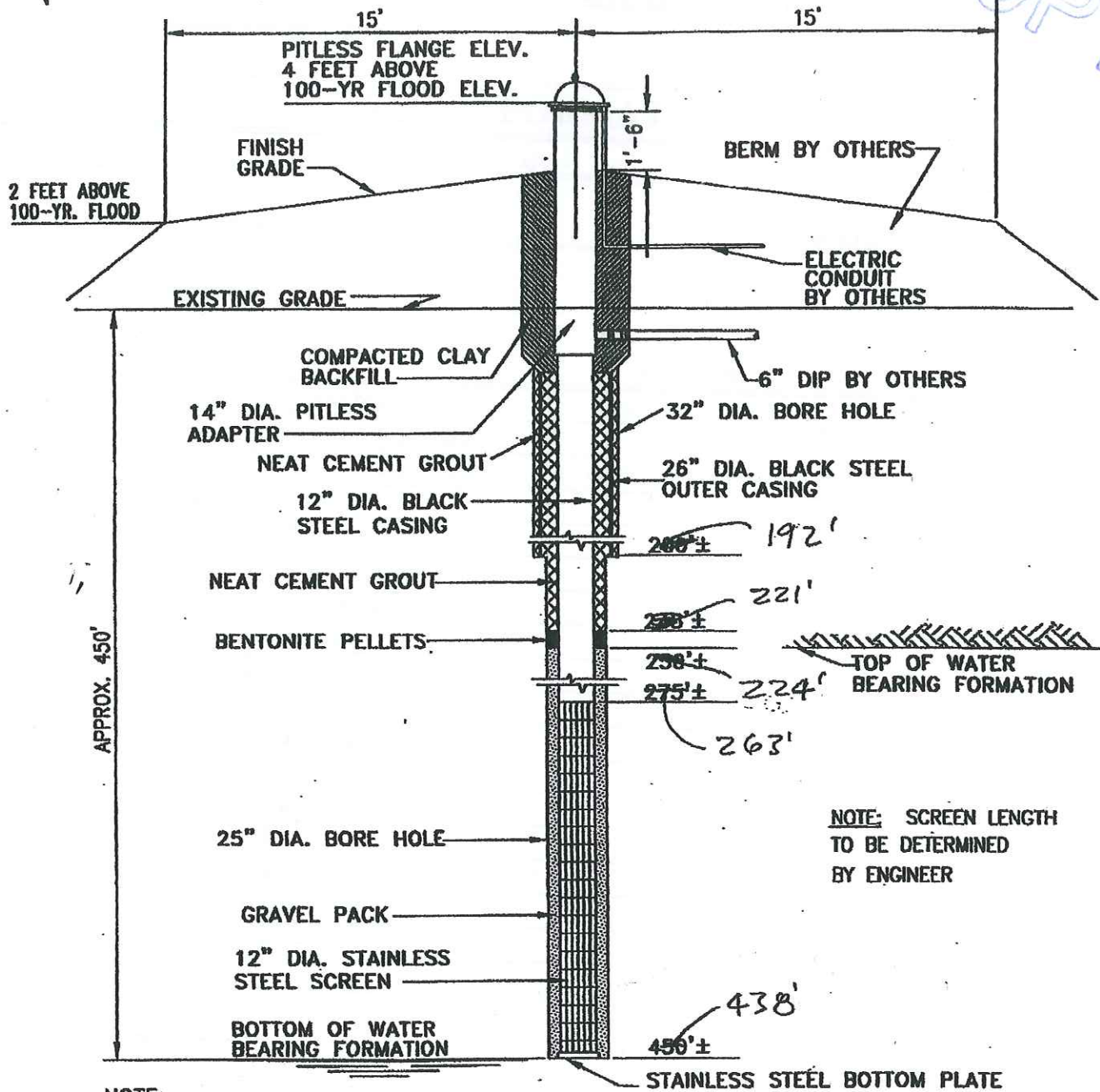
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WELL No. _____ B-3

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D3Well

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NOTE:
CONTRACTOR SHALL INSTALL PITLESS ADAPTER AND PUMP. TERMINATE MOTOR CABLE AT PITLESS CAP. CAP AND SEAL PITLESS DISCHARGE TO PREVENT ENTRY OF GROUND WATER.

SECTION VIEW
PRODUCTION WELL AND PITLESS UNIT
 NOT TO SCALE (17801020\17801021)

P:\08\018\05\F085X11.DWG

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DeWitt Grant Rockert and Associates Company
 Consulting Engineers
 Rock Rapids, Iowa
 Sioux City, Iowa
 Sioux Falls, South Dakota

Date Oct. 2000
 Drawn By WBR
 Approved GJP
 Revised
 Project No. 801805

SOUTHERN SIOUX COUNTY
 RURAL WATER SYSTEM
 IRETON, IOWA