

# Layne-Western Company

4430 Commercial Avenue

Omaha, Nebraska

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## TEST WELL REPORT

City and State    Dow City, Iowa                      Date            3-6-89  
Contract            City of Dow City                      Driller        Jim Rentschler  
Test No.            89-1                                      Helpers        Tabor Miller

Static Water Level 43'

### Test Log

0-15 dark brown clay  
15-41 soft brown clay  
41-45 fine sand, some coarse sand, trace of gravel  
45-47 coarse & fine sand and gravel with boulders and cobbles  
47-50 med. & coarse sand & gravel, some boulders & cobbles  
50-55 fine & coarse sand & gravel  
55-60 med. & coarse sand, gravel, rusty  
60-62 coarse sand & gravel, rusty, with boulders  
62-65 gravel & coarse sand & pebbles, some fine sand, rusty  
65-66 gray - brown clay  
66-70 clay & fine sand  
70-75 medium - fine sand

Size Mud Pit—Length    8'                      , Width        4'                      , Depth        1½'

### WATER BEARING FORMATION DATA

Depth	Mud Viscosity	Inches Mud Taken from Pit	Drilling Time
0 to 17	48 sec.	22" (tree roots)	
17 to 32	36	1	
32 to 47	36	2½	
47 to 62	38	2	
62 to 77	38	2	
77 to 92	35	2	
92 to 107	35	2½	

LOCATION:            S.E. corner of park

REMARKS:            Should pump 500 G.P.M. (sandstone)  
                          used 20' surface casing, lost a lot of water in  
                          top 10' due to tree roots.

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### Static Water Level

### Test Log

75-75½ cemented sand  
75½-76 fine gray sand  
76-77 sandstone  
77-78 cemented sandstone, shale, rusty sandstone  
78-81 shale & clay tr. sand  
81-87 shale & dark sandstone  
87-92 medium - fine sandstone  
107-128 medium sandstone  
128-129 shaly sandstone  
129-141 medium sandstone  
141-142 shaly sandstone  
142-144½ sandstone with shale  
144½- 146 blue shale

Size Mud Pit—Length      , Width      , Depth

### WATER BEARING FORMATION DATA

Depth	Mud Viscosity	Inches Mud Taken from Pit	Drilling Time
to			
to			
to			
to			
to			
to			
to			

LOCATION:

REMARKS: