Layne-Western Company

#19888

4430 Commercial Avenue - Omaha, Nebraska

TEST WELL REPORT

City and State: Hawarden, Iowa

Date: January 28, 1967

Contract: City of Hawarden

Driller: Ronald Oseka

Test No.: 67-4

Helpers: Robert King

Static Water Level: Should be about 11' 6"

Test Log

0' - 4'	Black soil, some gravel
4' - 12'	Gravel and coarse sand
12' - 31'	Gravel and coase sand, trace of boulders
31' - 38'	Brown shale

Size Mud Pit—Length 3', Width 2', Depth 3'

WATER BEARING FORMATION DATA

Depth			Mud Viscosity	Inches Mud Taken from Pit	Drilling Time
12'	to	18'	40 Sec.	6	
18'	to	31'	40 Sec.	8	
	to				
	to				
	to				
	to				
	to				

LOCATION: This hole 250' east of test # 67-3 35-95N-48W

REMARKS: This should pump 150 to 200 GPM.