

Layne-Western Company

25 36 5

4430 Commercial Avenue - Omaha, Nebraska

TEST WELL REPORT

City and State Malvern, Iowa Date 9-16-77
Contract City of Malvern Driller Donald Oseka
Test No. 77-3 Helpers Brad Harris

Static Water Level

Test Log

0	-	6'	Black soil
6'	-	8'	Brown clay
8'	-	27'	Gray and yellow clay
27'	-	28'	Blue clay
28'	-	33'	Blue clay
33'	-	39'	Fine sand and coarse sand, blue color.
39'	-	55'	Gravel and coarse sand, blue color
55'	-	56'	Boulders and gravel
56'	-	62'	Blue glacial clay

Size Mud Pit—Length 8 , Width 4 , Depth 1'6"

WATER BEARING FORMATION DATA

Depth	Mud Viscosity	Inches Mud Taken from Pit	Drilling Time
33' to 47'	39 Sec.	2½	
47' to 56'	39 Sec.	3	
to			
to			
to			
to			
to			

LOCATION: 850' east of test No. 77-2

REMARKS: Might make 150 to 200 GPM

Layne-Western Company

ELECTRICAL LOG

4430 Commercial Ave.

Omaha, Nebraska

CUSTOMER	City of Malvern			ADDRESS	Malvern		
WELL NO.	77-3	ZERO ELEVATION	G.L.	COUNTY	Mills	STATE	Iowa
LOCATION	850' east of test #77-2						
Date	9-16-77	Resistivity Scale: 1"	20 OHMS	Nature of Mud	Bentonite	pH	
First Reading	10'	Potential Scale: 1"	5 MV	Density		Circ. Temp.	
Last Reading		Lineal Scale: 1"	20'	Viscosity	36 Sec.	Weather	
Footage Logged	56'	Casing (Driller)	None	Bottom (Driller)		Logged by	D. Osek
Bit Size:	4"	Casing Size		Casing (From Log)		Witnessed by	Brad Ha
REMARKS	Might make 150 to 200 GPM						

SPONTANEOUS-POTENTIAL (MILLIVOLTS)

RESISTIVITY (OHMS)

20
40
56

WELL HEADER RECORD

71

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County Number 65 Well Number 25365 ## NO: 1
Latitude 0 Longitude 0 Accuracy
Sequence# BR Top 0 Hole Bottom 0
BR Strat 0 Bottom Strat01000 Strat Code 1
Altitude 0 Accuracy Well Depth 62
Location: Tier 72 Range 41 E/W W Section 0 Quarter
Depth to Bedrock 0 Data available GD Types of Exposures A
Surficial Lith I Basement Lith
Economic properties Driller# 137
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Stratigraphy	Lithology (primary, secondary, minor)	Penetration Code	Contact Accuracy	Depth to Top	Depth to Bottom
SSGFM	IFA	1	3	0	55
0	D	6	2	55	62
1000				0	0
0					

