34052

TEST HOLE REPORT

Layne-Western Company, Inc.

Contract Name City of Eldora Hydrology

Job No. 72-1784 Date 3/4/93

City Eldora State Iowa

TEST HOLE No. OW 93-2

Driller D. Heldt

Test Hole Location site 2 as per GeoScience

Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

Static Water Level 113' Measured

24 Hours After Completion

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	FORMATION
0	2			Black top soil
2	9			Brown clay
9	16			Red brown clay
16	25			Brown till - bebbly
25	36			Gray till
36	43			Brown till
43	67			Blue gray till
67	85			Brown till - soft very sandy
85	95			Black white till - marl and wood
95	106			Brown sandstone interbedded - shale and limestone
106	115			Gray shale - hard
115	116			Light gray shale - soft
116	154			Gray shale
154	166			Yellow - light brown limestone
166	170			Light brown - buff limestone

NOTES: Size of Pit 8 ft. X 6 ft. X 6 ft. DEEP

Airlifted approx. 60 gpm for 1½ hours

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FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	FORMATION
170	173			Yellow brown limestone
173	177			Red brown limestone
177	180	26	2	Light gray - buff limestone
180	184			White limestone
184	187			Red brown limestone
187	210		6	Buff limestone with traces of iron pyrite
210	232			White buff limestone
232	237			Light gray shale - soft
237	250			Light brown limestone
				Total fluid loss from 245'
250				Bottom of boring

NOTES: Size of Pit 8 ft. X 6 ft. X 6 ft. DEEP

Airlifted approx. 60 gpm for 1½ hours

Well Information - Rock Wells

Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE. AMES, IOWA 50010

Phone 515 232-3563

Name of Job City of Eldora Date 3/4/93

City Eldora State Iowa

Well No: OW 93-2 Drillers: D. Heldt

Well Location: _____ ft. (____) and _____ ft. (____) of the _____ corner of

the ____ ¼ of Section ____, Twp. ____ (____), Range ____ (____) Hardin County.

Otherwise located as per GeoScience site #2

Work Began: 2/26/93 Work Completed: 3/5/93

Casing Record:

Amount	Dia.	Wt. or Thickness	Material					
164'	5"	sch 40	PVC	with	flush	joints from	161	to +3
				with		joints from		to
				with		joints from		to
				with		joints from		to

Hole Record:

7 7/8	inch from	0'	to	161'
4 3/4	inch from	161'	to	250'
	inch from		to	
	inch from		to	
	inch from		to	bottom of hole

Cementing Record: spotted tow (2) bags of portland in bottom of hole and set casing on bottom

Well Test Data: Static Level 113'; pumping level ____ after 2 hours pumping at 60 g.p.m

Length of test ____ hrs. See Well Test Data Sheet Dated _____

Remarks: airlift development 250 scfm from 220'

SEE OTHER SIDE

LW-34