



MEMBER

Phone 515 473-2707

HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA

50652

#20259



RECORD OF WELL

Owner North Linn Community School District.

Address Troy Mills, Iowa. 52344

Tenant _____

Address _____

Location On the North side of Linn County Road "S" about 1 mile East of Troy Mills, Iowa. In the S.W.¼ of the N.E.¼ of Sec. 4, Spring Grove Twp., Linn County, Iowa.

Started the Well November 29, 1967.

Finished the Well January 11, 1968.

Total Depth 418 ft. Size of Well 10"

Static Water Level 70 ft.

Draw-down 60 feet, pumping 329 Gal. P.M.
22'4" 16" O.D.

102' feet of _____ inch pipe installed
10" I.D. inch casing installed

Driller Ervol Fink, for Hoeg & Ames, Inc.

Remarks Drilled 17" hole from 0' to 23'. Set 22'4" of 16" O.D. casing. Drilled 15.5" hole from 23' to 100'. Set 10" I.D. casing from +2' to 100' in one continuous string. Grouted 10" ~~FORMATION~~ casing in 15.5" hole and 16" O.D. casing from the bottom up. Drilled 10" open hole from 100' to 418', 3 ft. into the Maquoketa Shale. Installed test pump and conducted an 8-hour pumping test. Pumping test data and record of geological formations encountered in drilling are on continuation sheets.



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RECORD OF WELL (continuation sheet)

North Linn Community School District, Troy Mills, Iowa.

Record of Geological Formations.

0'	to	15'	-	Blue clay.
15'	to	22'	-	Yellow clay.
22'	to	45'	-	Broken yellow limestone (hard).
45'	to	100'	-	Hard gray limestone.
100'	to	120'	-	Brown limestone.
120'	to	125'	-	Limestone and shale.
125'	to	132'	-	Limestone with some shale streaks.
132'	to	150'	-	Gray rock.
150'	to	180'	-	Fine gray limestone.
180'	to	245'	-	Gray rock with some shale streaks.
245'	to	315'	-	White limestone and dolomite.
315'	to	395'	-	Brown rock,
395'	to	415'	-	Fine gray rock (hard).
415'	to	418'	-	Maquoketa shale.

Total Depth - 418 feet.

WELL PRODUCTION TEST DATA SHEET

NORTH
Job LINN COMMUNITY SCHOOL Date Tested JAN. 11-1968
Location TROY MILLS IA Tested by HOEG & AMES INC
Diameter of Well 10" Pump Used TURBINE
Depth of Well 418 Driver GASOLINE
Length of Airline 180 Col. & Shaft 197' OF 6"
Static W. L. 70' Bows 8"
Orifice Size 6" PIPE 4" ORIFICE Mfr. F.M.

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW- DOWN	REMARKS
10:00 A.M.				70		STARTED PUMP
10:30	17	264	104		34	WATER DIRTY
11:00	17.5	268	108		38	WATER ALMOST CLEAR
11:30	16	257	106		36	ENGINE MISSING
12:00	16.5	261	108		38	
12:30	16	257	108		38	
1:00	17.5	268	108		38	INCREASED RATE
1:30	27	329	124		54	LESS THAN 2 IRON
2:00	27	329	126		56	199 GRAINS HARD
2:30	27	329	127		57	
3:00	27	329	129		59	WATER CLEAR
3:30	27	329	129*		59*	
4:00	27	329	130		60	SLOWED RATE
4:30	9.5 <small>6" PIPE 3" ORIFICE</small>	102	95		25	
5:00	9.5	102	94		24	
5:30	9.5	102	93		23	WATER SAMPLE
6:00	9.5	102	92		22	SHUT OFF