



MEMBER

HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA

IOWA GEOLOGICAL SURVEY

NOV 30 1959



Phone GR 3-2707

Fairfax, Iowa

Record of Deep Well Drilled for Town of Fairfax, Iowa

Lechner Engineering Co. - Engineer for Town - Arthur Lees, Jr. - Representative

Hoeg & Ames, Inc., Lincoln, Iowa - Drilling Contractor

Driller - Kenneth Kroeger

Started - October 20, 1959

Finished - November 24, 1959

Casing record:

16 in. hole was drilled to limestone and temporary casing set in.

16 in. temporary pipe was pulled out, when permanent pipe was set and grouted.

124 ft. of 10 in. P.E. pipe was set at 124 ft. (Wt. 40 Lbs.) This section was grouted.

118 ft. of 8 in. P.E. pipe set at 230 ft. (Wt. 29 lbs.)

Static water level - 20 ft.

Water level pumping 100 gal. per min. 50 ft.

Drawdown - 30 ft.

Formation:

Black drift and clay	0-5	Ft.
Yellow sandy clay	5-31	Ft.
Brown limestone	31-55	Ft.
Limestone and shale	55-80	Ft.
Brown limestone	80-95	Ft.
Shale and limestone	95-115	Ft.
Brown limestone	115-124	Ft.
Set 10 in. pipe at 124 ft.		
Good limestone	124-150	Ft.
Limestone and shale	150-210	Ft.
Limestone	210-230	Ft.
Set 118 ft. of 8 in. pipe at 230 ft.		
Limestone	230-410	Ft.
Water bearing limestone - 390 ft. to 410 ft.		

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W11597

Location: _____
 Town: FAIRFAX (NE) (SW) County LINN
NE SE sec. 16 T. 82N., R. 8 (E) (W) FAIRFAX Twp.

Well name and number _____

Owner FAIRFAX TOWN WELL Address FAIRFAX, IOWA
 (1959)

Tenant _____ Address _____

Contractor HOEG & AMES Address LINCOLN, IOWA

Drillers KEN KROEGER

Drilling dates OCT. 20 - NOV. 29, 1959

Well data:
 Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 410 feet; Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing data 124' OF 10" 0-124'

8" CASING FROM 117'8" TO 216' SEALED INTO THE 10" STRING

Original depth to water 21.92 ft. below _____ Date _____

Source of data _____

21.92
37.00
58.92

U.S. GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD NO. 4111

Sources of water: Principal SILURIAN 390'-410'

Others _____

PRODUCTION DATA

Date Nov. 24, 1959

Static water level 21.92' (13' ABOVE LAND SURFACE DATA)

Pumping water level 58.92

Yield (g. p. m.) 119

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

SB5-13

Well No. W11597 Sample range 0-410 No. of samples 80

No. of dupls. and cond. 74 good Washed range 35-410

Samples prepared by Koch Date 11/30/59

Logged by NORTHUP Date 12/10/59

Correlations by _____ Date 12/10/59

Drilling method

Logs and casing data

DATE

DATE

DATE

Original depth to water

Source of data