21792



Phone 515 473-2707

#### & AMES, Inc. E ÷. WELL SUPPLIES

WELL CONTRACTORS

LINCOLN, IODA 50652

2 + 2



Owner TOWN OF MARTELLE Address g/o BOSE MARI FRINK, TOWN GLERK, MARTELLE, IOWA. 52305	
TenentTOWN_WELL # 2	
Address	
Location In Park in South part of Town, between Hubbell Street and	
South street, in next block West of Iowa Street. In the Northwest	
quarter of Section 7, Greenfield Township, Jones County, Lows, T-83-N; R-4-1	ń.
Started the WellAugust 20, 1969	
Finished the Well September 8, 1969	
Total Depth249 ft Size of Well61	
Static Water Level _ 25 ftz	
Draw-down43 feet, pumping154 Gal. P.M.	
9512" feet of IsDas_28.5# inch pipe Installed	
8715" feet of 12" Q.D. Inch casing installed	
Driller ERVOL FINK, FOR HOEG & AMES, INC.	
Remarks (SEE CONTINUATION SHEET.)	

### FORMATION

Black drift. 01 ta 51 Sandy yellow clay. 51 to 651 -651 Sand. to 701 -701 108 to iie. Sandy blue clay. Gray limestone. 108 851 ta inet851 2051 to -2051 to 2491 Yellow limestone. -

TOTAL DEPTH

249 FEET.



HOEG & AMES, Inc.

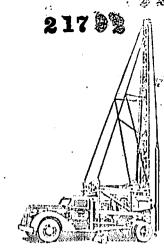
WELL SUPPLIES

WELL CONTRACTORS

\* \* \* INCOLN, IOW

Phone 515 473-2707

LINCOLN, IOWA 50652



#### RECORD OF WELL.

MARTELLE, IOWA, - TOWN WELL # 2. (continuation sheet)

METHOD OF CONSTRUCTION:

Hole was drilled for, and 12" O.D. casing was placed to 86 ft., casing extending above ground level. Drilling continued with  $11\frac{1}{2}$ " hole to 93 ft. - 8 ft. into the limestone. \* 8" I.D. pipe, welded in one continuous string was set firmly in the limestone at 93 ft., the 8" pipe also extending above ground level. The annular space between the 8" pipe and the larger hole and pipe was filled with neat coment grout, from the bottom to the top. The 12 " casing was left in place. Below the 8" pipe, drilling continued with 8" open hole to a depth of 249 ft. A turbine test pump and testing equipment was then installed in the well, and an 8 hour pumping test was conducted. Near the end of the pumping test, a water sample was collected and delivered to the Iowa Geological Survey for minoral analysis.

After test pumping, the well was cleaned and disinfected and a cap was firmly placed over the top of the 8" pipe.

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### HOEG & AMES, Inc.

LINCOLN	IOWA

2 10

Sheet No. 1

# WELL PRODUCTION TEST DATA SHEET

JOB MARTELLE IOWA TOWN WELL # 2	Date Tested SEPT 4, 1969
Location In Park in South part of Town	Tested by HOEG & AMES, INC.
Diameter of Well_8" *	Pump Used Turbine
<b>A</b> 47	Driver <u>Buda Gaseline</u> engine.
_	Col. & Shaft <u>1" and 3" X 115 ft.</u>
Static W. L. 25 ft.	
Orifice Size	

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW- DOWN	REMARKS
7:00 A.M.				251		Stabted Pump
		154	581'		331	Water cloudy
7:30		154	60'		351	
7:45		154	641		391	
8:00		154	651		401	
8:30		154	661		41'	Water clearing
9:00		154	681		431	
9:30		154	68'		43'	
10:00		1.54	681		431	Water clear.
10:30		154	681		431	
11:00		154	681		43'	
12:00 Noon		154	681		43'	
1:00 P.M.		154	681		<u>    43'</u>	Took water sample
2:00		154	681		43'	Started other pump.
3:00		148	71'		461	Shut off pump
	TER LEVEL IN	DLD WELL	WAS 62' at 7	00 A.M., 61	1 at 9:00	A.M., 601 at 11:00 A.M.
	and 591 at 2:0					

# HOEG & AMES, Inc.

# LINCOLN, IOWA

Sheet No. \_1\_

### WELL PRODUCTION TEST DATA SHEET

JOD MARTELLE IOWA TOWN WELL # 2	Date TestedSEPTON 4. 1969
Location <u>In Park in South part of Town</u>	Tested by HOEG & AMES, INC.
Diameter of Well_ <u>8"</u> *	Pump Used Turbine
	Driver <u>Buda Gaseline engine.</u>
-	Col. & Shaft <u>1" and 3" X 115 ft.</u>
Static W. L. 25 ft.	
Orifice Size	

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW- DOWN	REMARKS
7:00_A.N.				251		Stabted Pump
7:15		<b>1</b> 54	581 '	·	331	Water cloudy
7:30		<b>1</b> 54	601		351	
7:45		154	641		391	
8:00		154	651		401	
8:30		154_	661		411	Water clearing
9:00		154	681		43'	
9:30		154	681		43'	
_10:00		154	681		431	Water clear.
10:30		154	681		431	
		154	681		431	
12:00 Noon		154	681		431	
1:00 P.M.		154	681		431	Took water sample
_2:00		154	681		431	Started other pump.
3:00		148	71 1		461	Shut off pump
WA3	TER_LEVEL_IN_C	DLD WELL	WAS 621 at 7:0	00 A.M., 61	at 9:00	A.M., 60' at 11:00 A.M.
,	and 59' at 2:0	DO P.M.				