

HOEG & AMES, Inc.

LINCOLN, IOWA

Sheet No. _____

WELL PRODUCTION TEST DATA SHEET

Job UNION # ³ WELL Date Tested DEC 21-1967
 Location SAME Tested by HOEG & AMES INC
 Diameter of Well 10" Pump Used TURBINE
 Depth of Well 195 Driver GASOLINE
 Length of Airline 100 Col. & Shaft 3 1/2" 154'
 Static W. L. 30 Bowls 7"
 Orifice Size TANN MEASURE Mfr. F.M.

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW-DOWN	REMARKS
8:30 AM.				30		STARTED PUMP
8:45		220	95		65	SLOWED RATE
9:00		180	79		49	WATER DIRTY
9:15		180	77		47	
9:30		200	83		53	
10:00		200	85		55	WATER DIRTY
10:30		200	85		55	
11:00		200	85		55	
11:30		200	85		55	
12:00		200	83		53	WATER CLEARING
12:30 PM.		200	83		53	
1:00		200	83		53	
1:30		200	85		55	
2:00		200	85		55	SLOWED RATE
2:30		150	63		33	
3:00		150	63		33	
3:30		100	49		19	Collected water sample
4:00		100	49		19	



MEMBER

Phone 515 473-2707

HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

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LINCOLN, IOWA

50652



RECORD OF WELL

Owner The Town of Union, Iowa.
 Address Union, Iowa. 50258

 Tenant Town Well No. 3.
 Address -----

 Location In the North part of Town in Union, Iowa.
N.E. ¼ of Section 21, Union Township, Hardin County, Iowa.

 Started the Well December 12, 1967
 Finished the Well December 21, 1967.
 Total Depth 195 ft. Size of Well 10"
 Static Water Level 30 ft.
 Draw-down 55 feet, pumping 200 Gal. P.M.
69 feet of 10" I.D. inch pipe installed

 feet of ----- inch casing installed
 Driller A. K. Scott, for Hoeg & Ames, Inc.
 Remarks Drilled test hole first. It appeared promising, so
drilled 16" hole to 30 ft., 10" hole from 30 ft. to 67 ft.
Set 69 ft. of 10" I.D. pipe at 67 ft. and cemented it in
the 16" hole. FORMATION Drilled 10" open hole from
67 ft. to 195 ft. Test pumped well for 7½ hours. The well
produced 200 g.p.m. at 85 ft. pumping level, 150 g.p.m. at
63 ft. pumping level and 100 g.p.m. at 49 ft. pumping level.

FORMATIONS ON CONTINUATION SHEET.



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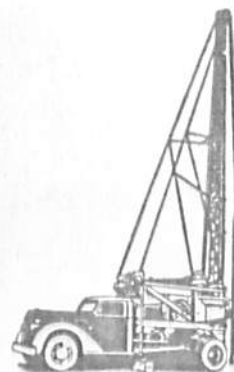
WELL CONTRACTORS

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TOWN OF UNION - TOWN WELL # 3.

Record of Geological Formations encountered in drilling.

0'	to	5'	-	Black dirt and clay.
5'	to	50'	-	Yellow clay - very little sand.
50'	to	60'	-	Yellow clay.
60'	to	61'	-	Little sand and limestone.
61'	to	65'	-	Yellow limestone.
65'	to	70'	-	Yellow and light gray limestone.
70'	to	105'	-	Light and dark brown sandy limestone.
105'	to	120'	-	Gray limestone - sandy.
120'	to	130'	-	Brown limestone.
130'	to	160'	-	Brown limestone, some chert.
160'	to	170'	-	White limestone.
170'	to	175'	-	Hard brown limestone.
175'	to	190'	-	Hard, light brown limestone.
190'	to	195'	-	Gray limestone and shale.

Total Depth - 195 feet.