water well Association
MEMBER

Phone 515 473-2707

HOEG & AMES, Inc.

WELL CONTRACTORS WELL SUPPLIES

* * *

LINCOLN, IOWA
50602



RECORD OF WELL

Owner Town of Conrad.

Address Conrad, Iowa. 50621.

Tenant Town Well # 4.

Address

Location In the alley West of Washington Street, between Maple Avenue, and Grundy Avenue, in the Town of Conrad, Iowa, in the S.W.¼ of Section 30, Clay Twp., Grundy County.

Started the Well October 26, 1966

Finished the Well November 16, 1966.

Total Depth 130 ft. Size of Well 7"

Static Water Level 19 ft.

Draw-down 7 feet, pumping 220 Gal. P.M.

80 feet of 7" O.D., P.E. inch pipe installed

feet of inch casing installed

Driller Erval Fink, for Hoeg & Ames, Inc.

Remarks Well was drilled between above dates, a pump was installed and the well was pumped for quite a number of days but the water failed to clear up. We went back, under contract, to rehabilitate the well and get rid of the sediment in the water. 7" O.D. pipe was set at 80 ft. and cement grout was forced into the annular space between the pipe and the larger hole, from the bottom to the top. Another pumping test was then conducted by the City, and the water cleared up.

Following are the hole sizes:

12" from 0' to 20'
8" from 20' to 80'
6¼" from 80' to 130'

MEMBER

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HOEG & AMES, Inc.
WELL CONTRACTORS WELL SUPPLIES

* * *

LINCOLN, IOWA
50652



TOWN OF CONRAD, IOWA.

WELL NO. 4.

RECORD OF FORMATIONS.

0'	to	7'	-	Black drift.
7'	to	45'	-	Yellow clay.
45'	to	66'	-	Broken yellow limestone, with some mud seams.
66'	to	80'	-	White limestone.
80'	to	95'	-	Soft brown limestone, water carried away samples.
95'	to	128'	-	Hard gray and brown limestone.
128'	to	130'	-	Shale.

Total Depth - 130 feet.

71'

40 ft. west of Well #1

W19097

HOEG & AMES, Inc.

Planning on altitude gauge

LINCOLN, IOWA

Sheet No. ___

WELL PRODUCTION TEST DATA SHEET

Job CONRAD — Date Tested NOV 8-1966

Location ___ — Tested by HOEG & AMES INC

Diameter of Well 7" — Pump Used TURBINE

Depth of Well 130 — Driver GASOLINE

Length of Airline 100 — Col. & Shaft 3½" 105 Feet

Static W. L. 19'+3' above flow. — Bowls 6"

Orifice Size 6" X 3" & 6"x4" — Mfgr. F.M.

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW-DOWN	REMARKS
8:45				19		STARTED PUMP
9:00		104	30		11	VERY DIRTY
9:30		118	34		15	VERY DIRTY
10:00		118	34		15	
10:30		118	34		15	INCREASED ROTE VERY DIRTY
11:00		257	65		46	VERY DIRTY
11:30		225	43		24	
12:00		225	43		24	
12:30		205	40		21	
1:00		205	40		21	SLIGHT CLEARING
1:30		205	40		21	SLOWED ROTE
2:30		104	27		8	SLOWED ROTE
3:30		75	23		4	
4:30		75	23		4	SHUT PUMP OFF
						WATER DIRTY

IOWA GEOLOGICAL SURVEY

DEC 13 1966

W19097

HOEG & AMES, Inc.

LINCOLN, IOWA

Sheet No. ___

WELL PRODUCTION TEST DATA SHEET

Job CONRAD — Date Tested NOV. 10 - 1966

Location ___ — Tested by HOEG & AMES INC.

Diameter of Well 7" — Pump Used TURBINE

Depth of Well 130' — Driver GASOLINE

Length of Airline 75' — Col. & Shaft 3½" 85'

Static W. L. 20 — Bowls 6"

Orifice Size 6"X3" — Mfgr. F.M.

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW-DOWN	REMARKS
1:45				20		STARTED PUMP
2:00		121	32		12	WATER DIRTY
2:30		121	33		13	INCREASED RATE
3:00		156	38		18	WATER DIRTY
3:30		156	39		19	INCREASED RATE
4:00		219	55		35	SLOWED RATE
4:30		128	34		14	SHUT PUMP OFF
						WATER DIRTY
			〃			
			〃			
			〃			

IOWA GEOLOGICAL SURVEY

DEC 13 1966

w19097

HOEG & AMES, Inc.
altitude gauge reading 56

LINCOLN, IOWA

Sheet No. 1 Copy
Survey

WELL PRODUCTION TEST DATA SHEET

Job CONRAD — Date Tested NOV 15- 1966

Location — Tested by HOEG & AMES INC.

Diameter of Well 7" O.D. — Pump Used TURBINE

Depth of Well 130 — Driver GASOLINE

Length of Airline 75' — Col. & Shaft 3½" 85'

Static W. L. 19' — Bowls 6"

Orifice Size 4"X6" — Mfgr. F.M.

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW-DOWN	REMARKS
11:00				19		STARTED PUMP
11:30		230	40		21	WATER DIRTY
12:00		240	43		24	
12:30		243	44		25	
1:00		243	45		26	
1:00		243	45		26	SAND CLEARING
2:30		245	45		26	
3:00		243	46		27	
3:30		243	45		26	NO MUCH CHANGE
4:00		243	45		26	IN WATER COLOR
4:30		2[illegible]	45		26	
5:00		220	45		26	NOT MUCH CHANGE WATER DIRTY

IOWA GEOLOGICAL SURVEY

DEC 13 1966