

27990

DRILLER'S NOTEBOOK

WELL RECORD

Driller Latta & Sons, Inc.

Address RR#1 Box 0

Riverside, Iowa 52327

Owner Louis Rich Well #1

Address P.O. Box 247 RR#2

Sigourney, Iowa 52591

RETURN TO
IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

WELL RECORD

Well is located 2 miles S and 1 miles S from
N E N E
W W

Sigourney in Keokuk,
(Nearest Town) (County)

in the NW $\frac{1}{4}$ 30 Sec. 76N R. 11W

Owner Louis Rich Co. Well No. LRW-1

Box 247 RR 2
Postoffice address Sigourney, IA 52591

Contractor Latta & Sons, Inc.

Box 0 RR 1
Address Riverside, Ia 52327

Driller Don Latta

Well begun April 22, 1985;

completed June 11, 1985

Rig used—Cable, Rotary, Jet, or

Depth of well 842'
(Feet)

Size of hole (note total amount of each size) 0'-20' (14")

20'-149' (12 3/4") 149'-634' (7 7/8")

634'-842' (6 1/4") 780'-830'
Main water supply at
(Feet below surface)

Final water head 82' below
(Feet above or below surface)

Is well pumped? yes

Yield 401 - capacity of pump
(Gallons per minute)

Water level when pumping 184'

Position of well Upland
(Upland, valley, side hill, etc.)

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
1	0'	5'	
2	5'	10'	
3	10'	27'	
4	27'	43'	
5	43'	52'	
6	52'	56'	
7	63'	103'	
8	103'	149'	
9	110'	115'	
10	115'	123'	
11	123'	129'	
12	129'	135'	
13	135'	140'	
14	140'	149'	
15	150'	210'	
16	160'	180'	
17	180'	190'	

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
Yellow brown - brown silty clay with gravel + Organics - (uncontrolled fill)
Dark brown - brown silty clay T/sand and gravel (original topsoil)
Yellow-brown sandy silty clay with gravel (glacial fill)
Gray sandy silty clay with gravel
Light gray shale - (possibly high plasticity clay)
Dark brown peat mass or shale (Dry + chalky - greasy when wet)
Reddish brown silty shaly sandstone (dirty + extremely soft + crumbly)
Light green shale with limestone
Rock gets harder with more limestone
Soft with less limestone
hard, but still shaly with chert
Soft and shaly
Rock drills hard, with chert + shale
Rock is harder + less shale with depth
Light gray sandy limestone with chert and dolomite
Light gray sandy limestone w/ chert
Rock has a greenish tint

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
18	190'	195'	
19	195'	210'	
20	210'	220'	
21	230'	275'	
22	275'	290'	
23	290'	320'	
24	320'	343'	
25	343'	360'	
Resumed Drilling			
26	490'	495'	
27	600'	610'	
28	610'	634'	
29	634'		
30	334'	634'	

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
White- Light gray sandy limestone with blue chert - hard
Light gray cherty sandy limestone (very hard)
Light gray Shaly limestone
Gray tightly cemented Limestone - (extremely hard)
Rock becomes less shaly with fossils
Gray Shaly sandy limestone
Gray limestone - sandy in spots and cherty - hard
Greenish gray Shale
Test pumped water with bailer
Well produced 5 GPM
Pressure acidized well twice with 500 gallons of 20% hydrochloric
Test pumped well with bailer produced 10 GPM
Gray brown Shale
Green-blue shale w/ Limestone and dolomite
Yellow brown limestone or dolomite with shale seams
Set Casing 300' of 7" O.D. Liner - welded
300' 7" O.D. Liner

