

WELL RECORD

Well is located 70 ^N_E miles S and miles S from
W W

in Johnson
(Nearest Town) (County)

in the ¹/₄ Sec. T. R.

Owner LOWETree Well No. 4

Postoffice address Lowetree de

Contractor Ed & Son

Address Preside de

Driller Preside de

Well begun April 23, 1967;

completed April 24, 1967

Rig used—Cable, Rotary, Jet, or rotary

Depth of well 260
(Feet)

Size of hole (note total amount of each size) 6"

Main water supply at 240 - 260
(Feet below surface)

Final water head 111'
(Feet above or below surface)

Is well pumped? Yes

Yield 40 GPM
(Gallons per minute)

Water level when pumping 113

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

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type ^o and Weight of Pipe	DIAGRAM OF WELL
2 1/2"					
6"	240	240		19.45	

^oAs cast, wrought iron, steel, concrete, etc.

Is screen used? Yes Diameter 6 (Inches)

Length 20' (Feet) Depth to bottom 260'

Depth to top 240 Slot size 15

Are packers or seals used? Yes

Kind Fig 14 John Saxon

Where used 234

Kind of pump _____ Dia. _____ (Inches)

Capacity of pump _____ (g.p.m.)

Power used _____ (Kind and amount)

Depth to bottom of pump line _____ feet,
including _____ feet tailpiece.

Remarks on construction of well 60' off
Fine Sand in aquifer

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
1	8	10	10
2	16	20	16
3	20	30	10
4	30	40	10
5	40	50	
6	50	60	
7	60	70	
8	70	80	
9	80	90	
10	90	100	
11	100	110	
12	110	120	
13	120	130	
14	130	140	135'
15	140	150	
16	150	160	
17	160	170	

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
Yellow Clay.		
Brown	"	
Gray	"	
SAND Gray		
Yellow Clay		
"	"	
Gray Clay		
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
Sand	Be	770M 147'
Gray Harder grade		
"	"	
"	"	

[illegible]

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

Gray hard pan
" " "
" " "
" " "
red oxide Black
Dirty SAND Clay BLACK
SAND
Bottom
Mud 264

Town of Lone Tree, Iowa

DATE: April 29, 1972

DRAW DOWN

Test pump set 185' (feet) below local ground level and 189 feet below top of pitless adapter. Pump capacity tested for 8 hours at 134 g.p.m. Pump is set on 189 feet of 4 inch drop-pipe.

CONTRACTOR: Latta and Sons, Inc.
Riverside, Iowa 52327

TYPE PUMP: Jacuzzi 10 H. P.

PUMPING TEST: Started 8:00 A. M. Ended 3:00 P.M.

AIR LINE: Air line set from intake on pump to top of pitless 195 feet.

TIME	TIME LAPSE	Water level from top of Pitless adapter	HEAD	Deviance from Last Reading	Altimeter
Start	Zero	117'6"	0'		77½
8:50A.M.	½ Minute	136'	57#		59
8:50A.M.	½ Minute	139'8"	24#		55½
8:51A.M.	" "	144'8"	21#		50½
8:51A.M.	" "	147'3"	20#		473/4
8:52A.M.	" "	150'5"	19#		45½
8:52A.M.	" "	151'10½"	18#		43
8:53A.M.	" "	153'1"	18#		42
8:53A.M.	" "	154'5½"	"		40½
8:54A.M.	" "	153'4 3/4"	"		41 3/4
8:54A.M.	" "	153'5"	"		41 3/4
9:00A.M.	5 Minutes	153'8 3/4"	"		41 1/8
9:05A.M.	" "	153'8 3/8"	"		41½
9:10A.M.	" "	153'8 7/8"	"		41½
9:15A.M.	" "	153'10½"	"		41
9:20A.M.	" "	153'11½"	"		41
9:25A.M.	" "	153'8½"	"		41½
9:30A.M.	" "	153'7"	"		41½
9:35A.M.	" "	154'6 3/4"	"		40½
9:40A.M.	" "	154'8"	"		40½
9:45A.M.	" "	154'7 3/4"	"		40½
9:50A.M.	" "	154'7½"	"		40½
10:10A.M.	20 Minutes	154'5½"	"		40½
10:30A.M.	" "	155'1"	"		40
10:50A.M.	" "	155'2"	"		40
11:20A.M.	30 Minutes	155'3 3/4"	"		39 3/4
11:50A.M.	" "	155'1"	"		40
12:00A.M.	" "	154'11"	"		40
12:30A.M.	" "	155'½"	"		40
1:00P.M.	" "	155'	"		40

APPROXIMATELY 200' HEAD AT 134 G.P.M.

RECOVERY

1:10P.M.	ZERO	155 Tor-½" Even	18#		40
1:10P.M.	½ Minute	127' 10"	0#		67
1:11P.M.	" "	121'6"	"		73 1/2
1:11P.M.	" "	120'	"		75
1:12P.M.	" "	119'9"	"		75
1:12P.M.	" "	119'5"	"		75½
1:13P.M.	" "	119'2½"	"		75 3/4
1:13P.M.	" "	119'2½"	"		75 3/4
1:14P.M.	" "	119'2"	"		75 3/4
1:14P.M.	" "	119'1½"	"		76
1:15P.M.	" "	119'1½"	"		76
1:20P.M.	5 Minutes	119'2"	"		76
1:25P.M.	" "	117'7½"	"		77 3/4"
1:30P.M.	" "	117'7½"	"		77 3/4
1:35P.M.	" "	117'6 3/8"	"		77 1/2
1:40P.M.	" "	117'5½"	"		77 1/2
1:45P.M.	" "	117'3½"	"		77 3/4
1:50P.M.	" "	117'5½"	"		77 1/2
1:55P.M.	" "	117'5½"	"		77 1/2
2:00P.M.	" "	117'6"	"		77 1/2
2:05P.M.	" "	117'6"	"		77 1/2
2:10P.M.	" "	117'6"	"		77 1/2
2:30P.M.	20 Minutes	117'6"	"		77 1/2
2:50P.M.	" "	117'6"	"		77 1/2
3:00P.M.	" "	117'6"	"		77 1/2

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

 File No. { Washington
 District

 LONE TREE WATER WELL 6/14/67 NE¹/₄, NE⁴/₄, SE¹/₄, Sec. 9, T77N, R5W

TIME	MIN	READING	correction	water level	Draw Down	elec. line reads .54' short			
STATIC LEVEL		TAPE		want read					
8:59	start			E LINE	109.27 + .54 = 109.79	@ 160 g.p.m.			
9:00	1	116.28	+ .54	116.82	17.03				
9:01	2	117.20	+ .54	117.74	17.95				
9:02	3	117.33	+ .54	117.87	18.08				
9:03	4	117.40	+ .54	117.94	18.15				
9:04	5	117.55	+ .54	118.09	18.30				
9:05	6	117.58	+ .54	118.12	18.33				
9:06	7	117.66	+ .54	118.20	18.41				
9:07	8	117.69	+ .54	118.23	18.44				
9:08	9	117.73	+ .54	118.27	18.48				
9:09	10	117.77	+ .54	118.31	18.52				
9:10	11	117.78	+ .54	118.32	18.53				
9:15	16	117.88	+ .54	118.42	18.63				
9:20	21	117.97	+ .54	118.51	18.72				
9:25	26	118.05	+ .54	118.59	18.80				
9:30	31	118.16	+ .54	118.70	18.91	120'			
9:40	41	118.25	+ .54	118.79	19.00	109.79			
9:50	51	118.31	+ .54	118.85	19.06	11.11			
10:00	61	118.50	+ .54	119.04	19.25	12.14			
10:15	76	118.50	+ .54	119.04	19.25				
10:30	91	118.53	+ .54	119.07	19.28				
11:00	121	118.70	+ .54	119.24	19.45				
12:00	181	119.01	+ .54	119.55	19.76				
1:00	241	119.18	+ .54	119.72	19.93				
2:00	301	119.35	+ .54	119.89	20.10				
3:00	361	119.46	+ .54	120.00	20.21				
Recovery off at 3:00						Time	Min	Read	cor.
								water level	Draw Down
3:00:07	7 sec	115.00	+ .54	115.54		3:05	5 min	111.11	+ .54
3:00:45	45 sec	111.40	+ .54	111.94		3:07	7 min	111.08	+ .54
3:03	3 min	111.23	+ .54	111.77		3:10	10 min	110.97	+ .54
3:04	4 min	111.13	+ .54	111.68		3:15	15 min	110.89	+ .54
						3:20	20 min	110.84	+ .54
								111.38	

 Shut
 in →

observer - Norm Church