101

DRILLER'S NOTEBOOK

WELL RECORD

TELL WELL CO

Driller RUSSELL TELL

Address DAYTON IOWA

Owner CITY OF DAWSON

Tenant

Address DALLAS COUNTY

RETURN TO

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA

#26902

WELL RECORD

Well is located 1/4 miles (N) E W and ____ miles N E W

DAWSON in DALLAS,
(Nearest Town) (County)

in the ____ ¼ ____ ¼ Sec. ____ T. ____ R. ____

Owner TOWN OF DAWSON Well No. 4

Postoffice address ____

Contractor TELL WELL CO

Address DAYTON IOWA 50530

Driller RUSSELL TELL

Well begun Oct 21, 1981;

completed Oct 28, 1981

Rig used—Cable, (Rotary), Jet, or ____

Depth of well 497 Ft
(Feet)

Size of hole (note total amount of each size) 12 IN HOLE TO-218Ft - 8 IN. CASING - 7 7/8 IN HOLE TO 497

Main water supply at 445 & 484 Ft
(Feet below surface)

Final water head 25 Ft - BELOW - TOP CASING
(Feet above or below surface)

Is well pumped? YES

Yield 60 GPM
(Gallons per minute)

Water level when pumping 67 Ft

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

Test Pump 60 g/m

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		
Oct. 27					
3.25 PM	Start 25 Ft.			60 g/m	Bomp set 105 Ft
3.26	32			"	
3.27	36			"	
328	40			"	
329	43			"	
330	46				
331	49			"	
332	52				
337	60			"	
342	63				
349	64			"	
354	64				
359	64			"	
4.15	64				
Oct 28 8:30 AM	67 Ft			"	

NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
8. ID.	218	218	0	IRON 28.45/'	
6 I.D.	280	~~18~~ 497	217	PLASTIC 200 lb P.V.C	

*As cast, wrought iron, steel, concrete, etc.

Is screen used? NO Diameter _____ (Inches)

Length _____ (Feet) Depth to bottom _____

Depth to top _____ Slot size _____

Are packers or seals used? _____

Kind _____

Where used _____

Kind of pump Sub. - 2 H.P Dia. 3 3/4 (Inches)

Capacity of pump 60 g/m 2 H.P. (g.p.m.)

Power used Elec. 220 (Kind and amount)

Depth to bottom of pump line 105 Ft feet,

including _____ feet tailpiece.

Remarks on construction of well _____

SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
1	0	8	8	BLACK - Top Soil
2	8	13	5	SAND
3	13	18	5	"
4	18	24	6	GRAVEL
5	24	29	5	Blue CLAY
6	29	34	5	"
7	34	39	5	"
8	39	44	5	"
9	44	49	5	"
10	49	51	2	"
11	51	54	3	COAL
12	54	59	5	GRAY SHALE
13	59	64	5	"
14	64	69	5	"
15	69	74	5	"
16	74	79	5	"
17	79	84	5	"

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
18	84	89	5	Gray Shal
19	89	93	4	"
20	93	99	6	Hard Sandstone
21	99	101	2	Coal
22	101	106	5	Coal + Shale streaks
23	106	111	5	" " "
24	111	115	4	" " "
25	115	120	5	Hard Sand Stone
26	120	125	5	" "
27	125	130	5	" "
28	130 135	135 140	5	" "
29	140	145	5	Gray Shale
30	145	150	5	" "
31	150	155	5	" "
32	155	160	5	" "
33	160	165	5	" "
34	165 170	170 175	5	" "

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
35	175	180	5	Gray Shale
36	180	185	5	" "
37	185	190	5	" "
38	190	196	6	" "
39	196	201	5	Lime Rock Hard
40	201	206	5	" " "
41	206	211	5	" " "
42	211	218	7	" " "
43	218	223	5	" " "
44	223	228	5	" " "
45	228	233	5	" " "
46	233	236	3	" " "
47	236	241	5	" " "
48	241	246	5	Lime Rock
49	246	249	3	Gray Shale
50	249	254	5	Lime Rock
51	254	259	5	Lime Rock

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
52	259	264	5	Lime Rock
53	264	269	5	" " "
54	269	274	5	Shale with rock streaks
55	274	279	5	" " " "
56	279	284	5	" " " "
57	284	289	5	Lime Rock Hard
58	289	294	5	" "
59	294	299	5	" "
60	299	302	3	" "
61	302	307	5	Lime Rock with Shale streaks
62	307	312	5	" " " " "
63	312	317	5	" " " " "
64	317	322	5	" " " " "
65	322	327	5	Lime Rock Pourous
66	327	330	3	" " "
67	330	335	5	Shale w Rock streaks
68	335	340	5	" " "

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
69	340	345	5	Shale w/ Quartz Streaks
70	345	350	5	Quartz
71	350	355	5	Shale w/ lime rock Streaks
72	355	360	5	Lime rock Porous
73	360	362	2	" " "
74	362	367	5	" " w/ Shale
75	367	372	5	"
76	372	374	2	"
77	374	379	5	" Brown
78	379	384	5	" "
79	384	389	5	" "
80	389	394	5	" Some water
81	394	399	5	"
82	399	404	5	"
83	404	409	5	"
84	409	414	5	"
85	414	419	5	" Some water

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
86	419	424		Lime Rock WATER
87	424	429		" " "
88	429	434		" "
89	434	439		" "
90	439	444		" "
91	444	449		" " Water (445 - 456)
92	449	454		" "
93	454	459		" " (Water 453-460)
94	459	464		" "
95	464	469		" "
96	469 474	474 479		" " (Water 470 - 475)
97	479	484		" " (Water 479-484
98	484	489		" "
99	489	496		" "
100	~~497~~			" "
101				
102				