

Well Data

File:
CHEMPLEX
Well #2

Job: Chemplex Construction Corporation

Date 8-17-1967

Well No. 2 - Clinton Iowa

Depth	Formation
0-8	Topsoil yellow sandy clay
8-170	Limestone with yellow clay breaks
170-272	Limestone & Chert
272-500	Maquoketa shale- some dolomite
500-825	Dolomite-limestone & streaks of shale
825-838	Glenwood shale
838-870	St. Peter Sandstone
870-1250	Dolomite-limestone- cherty in places
1250-1310	(Jordan sandstone)- mostly dolomite
1310-1460	(St. Lawrence) Dolomite
1460-1585	(Franconia) Dolomite some shale
1585-1715	(Dreebach)- sandstone
1715-1895	(Dreebach)- Sandstone & shale
1895-2380	(Mt. Simon)- Sandstone
2380-2535	Sandstone Hard & sharp

33' of 20" surface pipe from G.L. to 33'
907' of 16" Casing from 1' above G.L. to 906'
16" casing cemented in from 906'
15 1/2" open hole below 16" casing

S.W.L. = 220'

Total depth of hole 2535'

WELL TEST DATA

Job: Chemplex Construction Corporation

Date Tested: 7-24-67

Well NO. 2 Clinton Iowa

Tested by: John Masters

Dia. of well: 15 1/4"

Driver : Leroi Engine

Depth of Well: 2535'

Column & Shaft: 10"x2-3/16"

Length of Airline: 370'

Bowls:

Non-Pumping Level: 220'

Orifice Size: 12"x9"

Time	G.P.M.	P.L.	D.D.	Disc. Press	RPM	Remarks
11:50		264.5	45	40#	1000	Water dirty
12:00	1635	265	45	40#	1000	"
12:30	1540	273	53	40#	1000	"
1:00	1540	274	54	40#	1000	"
1:30	1540	274	54	"	1000	Clearing
2:00	1540	275	55	"	1000	"
2:30	1540	276	56	"	1000	"
3:00	1540	276	56	"	"	"
3:30	1540	277	57	"	"	"
4:00	1540	278	58	"	"	"
4:30	1540	278	58	"	"	"
5:00	1540	278	58	"	"	"
5:30	1540	279	59	"	"	"
6:00	1540	279	59	"	"	"
6:30	1520	279	59	"	"	Clear
7:00	1520	279	59	"	"	"
7:30	1520	279	59	"	"	"
8:00	1540	279	59	"	"	"
8:30	1540	281	61	"	"	"
9:00	1560	281	61	"	"	"
9:30	1540	281	61	"	"	"
10:00	1560	283	63	"	"	"
10:30	1540	283	63	"	"	"
11:00	1560	284	62	"	"	"
11:30	1560	283	63	"	"	"
12:00	1540	294	76	"	"	"
12:30	1540	295	75	"	"	"
1:00	1540	295	75	"	"	"
1:30	1540	295	75	"	"	"
2:00	1540	295	75	"	"	"
2:30	1540	295	75	"	"	"
3:00	1540	295	75	"	"	"
3:30	1540	295	75	"	"	"
4:00	1540	295	75	"	"	"
4:30	1540	295	75	"	"	"
5:00	1540	295	75	"	"	"
5:30	1540	295	75	"	"	"
6:00	1540	295	75	"	"	"

Time	G.P.M.	P.L.	D.D.	Misc. Press	RPM	Remarks
6:30	1540	295	75	40#	1000	Clear
7:00	1540	295	75	"	"	"
7:30	1540	295	75	"	"	"
8:00	1540	295	75	"	"	"
8:30	1540	295	75	"	"	"
9:00	1540	295	75	"	"	"
9:30	1540	295	75	"	"	"
10:00	1540	295	75	"	"	"
10:30	1540	295	75	"	"	"
11:00	1540	295	75	"	"	"
11:30	1540	295	75	"	"	"
11:50	Noon	1520	283	63	"	"
12:30	1540	283	63	"	"	"
1:00	1520	283	63	"	"	"
1:30	1520	283	63	"	"	"
2:00	1540	284	64	"	"	"
2:30	1520	284	64	"	"	"
3:00	1520	284	64	"	"	"
3:30	1520	284	64	"	"	"
4:00	1540	285	65	"	"	"
4:30	1520	285	65	"	"	"
5:00	1540	285	65	"	"	"
5:30	1540	285	65	"	"	"
6:00	1540	285	65	"	"	"
6:30	1540	286	66	"	"	"
7:00	1540	286	66	"	"	"
7:30	1540	286	66	"	"	"
8:00	1540	286	66	"	"	"
8:30	1540	286	66	"	"	"
9:00	1540	286	66	"	"	"
9:30	1540	286	66	"	"	"
10:00	1540	286	66	"	"	"
10:30	1540	286	66	"	"	"
11:00	1540	286	66	"	"	"
11:30	1540	286	66	"	"	"
12:00	midnight	1540	286	66	"	"
12:30	1540	286	66	"	"	"
1:00	1540	286	66	"	"	"
1:30	1540	286	66	"	"	"
2:00	1540	286	66	"	"	"
2:30	1540	286	66	"	"	"
3:00	1540	286	66	"	"	"
3:30	1540	286	66	"	"	"
4:00	1540	286	66	"	"	"
4:30	1540	286	66	"	"	"
5:00	1540	286	66	"	"	"
5:30	1540	286	66	"	"	"
6:00	1540	286	66	"	"	"
6:30	1540	286	66	"	"	"
7:00	1540	286	66	"	"	"
7:30	1540	286	66	"	"	"
8:00	1540	286	66	"	"	"
8:30	1540	286	66	"	"	"
9:00	1540	286	66	"	"	"
9:30	1540	286	66	"	"	"
10:00	1540	286	66	"	"	"
10:30	1540	286	66	"	"	"

Time -----	G.P.M. -----	P.L. -----	D.D. -----	Disc. Press -----	RPM -----	Remarks -----
11:00	1540	285	65	40	1000	Clear
11:30	1540	285	65	"	"	"
12:00	1540	285	65	"	"	"

Pump Test Data

Chemplex Well #1
(Well #2 Pumping)

7-24-25-'67

Time	Depth to water	Draw Down	Remarks
7/24			
11:00 A.M.	178.35		Note: pumping test data was taken on wwell #1 while well#2 located 2015' north was being pumped. Well #2 was pumped for 45 min. @ 1560GPM from 9A.M. to 9:45 A.M. to test pump- No measurements were obtained during the period.
11:15	178.38		
11:45	178.40		
12:00	178.35		
S W L = 178.35			
start pump at 12:00 noon @ 1635 Gpm			
12:01 P.M.	179.08	.73	
12:03	179.75	1.40	
12:07	180.40	2.05	
12:09	180.58	2.23	
12:10	180.64	2.29	
12:12	180.90	2.55	
12:14	180.96	2.61	
12:16	181.32	2.97	
12:18	181.68	3.33	
12:20	182.02	3.67	
12:22	182.32	3.97	
12:24	182.60	4.25	
12:26	182.88	4.53	
12:28	183.08	4.73	
12:30	183.33	4.98	
12:32	183.50	5.15	
12:34	183.66	5.31	
12:36	183.82	5.47	
12:38	183.91	5.56	
12:40	184.05	5.70	
12:43	184.33	5.98	
12:50	184.61	6.26	
12:55	184.83	6.48	
1:00	185.05	6.70	
1:10	185.43	7.08	
1:20	185.78	7.43	
1:30	186.13	7.78	
1:45	186.53	8.18	
2:00	186.87	8.52	
2:30	187.38	9.03	
3:00	187.92	9.57	
3:30	188.34	9.99	
4:00	188.73	10.38	
5:00	189.42	11.07	
6:00	189.68	11.33	
7:00	190.50	12.15	
8:15	190.97	12.62	
9:07	191.26	12.91	
10:05	192.68	13.33	
11:30	192.08	13.73	
1:00	192.58	14.23	
3:00	193.18	14.83	
4:00	193.35	15.00	

6:00	193.85	15.50
8:00	194.50	16.15
10:00	194.79	16.44
12:30	195.10	16.75