

3 copies

O'Brien Co.

SUTHERLAND CITY WELL NO. 2

Results of Pumping Test

May 11 and 12, 1938

Recorded by W. G. Schults, Iowa Geological Survey

<u>TIME</u>	<u>WATER LEVEL BELOW CURB</u>	<u>DRAWDOWN</u>	<u>PRODUCTION G.P.M</u>	<u>REMARKS</u>
May 11, 1938				
1:59 3/4 pm	*244.7'	0	0	Pumping started
2:01 1/2	263.5'	21.5'	165	
2:02 1/2	263.5'	21.5'		
2:03 3/4	263.0'	21.0'		
2:04 3/4	262.8'	20.8'		
2:05 3/4	262.7'	20.7'		
2:06 3/4	262.1'	20.1'		
2:07 3/4	261.7'	19.7'		
2:08 3/4	261.4'	19.4'		
2:09 3/4	261.1'	19.1'		
2:11	260.9'	18.9'		
2:15	261.15'	19.15'		
2:20 1/2	261.55'	19.55'		
2:25 1/2	261.55'	19.55'		
2:35 1/2	261.8'	19.8'		H ₂ O clear within 30 min
2:45 1/2	261.9'	19.9'		
2:55 1/2	262.0'	20.0'		
3:05 1/2	262.2'	20.2'		
3:15 1/2	262.3'	20.3'		
3:25 1/2	262.4'	20.4'		
3:27				Stopped pumping
3:28 1/3	237.0'	+5.0'		Recovery measurements
3:29 5/6	242.8'	-0.8'		
3:30 5/6	243.4'	1.4'		
3:31 5/6	243.4'	1.4'		

#2

<u>TIME</u>	<u>WATER LEVEL BELOW CURB</u>	<u>DRAWDOWN</u>	<u>PRODUCTION G.P.M.</u>	<u>REMARKS</u>
3:32 5/6	243.2'	1.2'		
3:33 5/6	242.5'	0.5'		
3:35	242.4'	0.4'		
3:36	242.3'	0.3'		
3:37	242.2'	0.2'		
3:38	242.15'	0.15'		
3:39	242.35'	0.35'		
3:40	242.30'	0.3'		
3:41	242.25'	0.25'		
3:42	242.25'	0.25'		
3:42 1/3	242.5'	0.5'		
3:42 1/3				Pump started
3:43 1/3	260.4'	18.4'	165	
3:44 1/3	261.0'	19.0'		
3:45 1/3	261.3'	19.3'		
3:46 1/3	261.4'	19.4'		
3:47 1/3	261.5'	19.5'		
3:48 1/3	261.5'	19.5'		
3:49 1/3	261.45'	19.45'		Pumped dirty water for 10 min.
3:50 1/3	261.6'	19.6'		
4:00	261.95'	19.95'		
4:10	262.3'	20.3'		
4:22				
7:12	242.0'	0	215	Shut down to change pulley Static level before pumping

#3

<u>TIME</u>	<u>WATER LEVEL BELOW CURB</u>	<u>DRAWDOWN</u>	<u>PRODUCTION G.P.M.</u>	<u>REMARKS</u>
7:13	262.35'	20.35'	215	
7:15	267.0'	25.0'		
7:16	267.0'	25.0'		
7:17	266.7'	24.7'		
7:18				Stopped pumping
7:19	237.7'	+4.3'		Recovery measurements
7:22	242.8'	-0.8'		
7:30	242.0'	0.0'		Static level
7:32				Started pumping
7:33 1/2	264.9'	22.9'	215	
7:34 1/2	266.5'	24.5'		
7:35 1/2	266.8'	24.8'		
7:36 1/2	266.8'	24.8'		
7:37 1/2	267.2'	25.2'		
7:38 1/2	267.1'	25.1'		
7:39 1/2	267.2'	25.2'		
7:40 1/2	267.3'	25.3'		
7:41 1/2	267.35'	25.35'		
7:42 1/2	267.5'	25.5'		
7:43 1/2	267.4'	25.4'		
7:44 1/2	267.4'	25.4'		
7:51 1/2	267.5'	25.5'		
8:01 1/2	267.6'	25.6'		Pumping stopped
8:02 1/3	238.6'			Recovery measurements
8:03 1/3	239.6'	+2.4'		
8:04 1/3	243.4'	-1.4'		

#4

<u>TIME</u>	<u>WATER LEVEL BELOW CURB</u>	<u>DRAWDOWN</u>	<u>PRODUCTION G.P.M.</u>	<u>REMARKS</u>
8:06 1/2	243.8'	1.8'		
8:07 1/2	243.8'	1.8'		
8:08 1/2	243.7'	1.7'		
8:09 1/2	242.75'	0.75'		
8:10 1/2	242.5'	0.5'		
8:11 1/4	242.5'	0.5'		
8:12 1/4	242.5'	0.5'		
8:17	242.2'	0.2'		
8:17				Pumping started
8:18	265.5'	23.5'	215	
8:19	266.2'	24.2'		
8:20	266.7'	24.7'		
8:21	266.9'	24.9'		
8:22 1/6	267.15'	25.15'		
8:23 1/6	267.35	25.35'		
8:23 1/6				Pumping stopped
Nov 12, 1938				
3:30 A. M.			195	Pump started
8:50 A. M.	265.3'	23.3'		

* Static level used for calculating drawdown 242.0'