

Drillers Log

0-4 Top soil
4-14 Br. sandy clay
14-20 Gr. clay
20-25 Coarse s&G w/lignite
25-35 Fine-med s&G w/clay streaks
35-46 Fine sand
46-58 Med-coarse sand
58-70 Coarse sand, gravel & boulders
70-75 Med. sand
75-95 Sand, gravel & boulders
95 Gray clay

Copies

1) Mr. Floyd Blaine, Jr.
Olin Mathieson Chem Corp.
E. Alton, Illinois - 62024

1) Mr. D. H. England
address

1) Mr. W. S. Bryant
address

1) Layne Western Co.
225 Grande Ave.
Kirkwood, Mo. - 63122

1) W. A. Baker, Jr. (Edwardsville) SW

2) SDPH

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Pumped Well (#2)

WELL PRODUCTION TEST

Field
FORM B

Date 7-18-69 Engineer _____ Test by W.H. Baker County Madison
Owner Ohio Matheson Chem Corp. Location 850'S, 2250'W of NE cor. Sec. 29 T5N R9W

Measuring point Pump base, 2.9' above land

Measuring equipment Elect. drop line, stopwatch, Levee and five 6x5

Date	Hour	Time	Well No.	Water level			Draw-down (feet)	Piez. tube (inch)	Pump-ing rate (gpm)	Remarks
				Held	Wet	Depth				
7-18	9:10		<u>2</u>			8.55				
AM	9:30	0				8.55	0			Start pump
	31	1				12.76	4.21			
	32	2				12.77	4.22	24.5	602	
	33	3				12.79	4.24			
	34	4				12.87	4.32			
	9:35	5				12.87	4.32			
	36	6				12.94	4.39			
	37	7				12.97	4.42			
	38	8				13.03	4.48			
	39	9				-	-	24.5	602	
	9:40	10				13.08	4.53			
	42	12				13.11	4.56			
	45	15				13.16	4.61			
	9:50	20				13.28	4.73			
	55	25				13.33	4.78			
	10:00	30				13.39	4.84			
	10	40				13.46	4.91	24.5	602	
	20	00				13.55	5.00			
	30	00				13.61	5.06			
	40	20				13.62	5.07			
	50	00				13.66	5.11			
	11:00	40				13.68	5.13			
	10	100				13.70	5.15			
	30	120				13.73	5.18	24.5	602	
AM	12:00	150				13.75	5.20			
PM	12:50	200				13.80	5.25			
	1:40	250				13.85	5.30			Sample Temp 59.5°
	2:30	300				13.86	5.31			Stop pump
	31	1				9.79				Recovery
	32	2				9.71				
	33	3				9.65				
	34	4				9.59				
	35	5				9.52				
PM	2:36	6				9.49				cont'd

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Observation Well (#3)

WELL PRODUCTION TEST

Field
FORM B

Date 7-18-69 Engineer _____ Test by W.H. Baker County Madison

Owner Olin Mathieson Chem Corp. Location _____

Measuring point (see test of well #3)

Measuring equipment steel tape

Date	Hour	Time	Well No.	Water level			Draw-down (feet)	Piez. tube (inch)	Pump-ing rate (gpm)	Remarks
				Held	Wet	Depth				
			(obs)							
7-18	9:20		3	11.0	0.33	10.67				
	25			11.0	0.33	10.67				
	9:30	0		11.0	0.33	10.67	0			Start pump.
	31	1		12.0	1.26	10.74	0.07			
	32	2			1.21	10.79	0.12			
	33	3			1.17	10.83	0.16			
	34	4			1.15	10.85	0.18			
	9:35	5			1.12	10.88	0.21			
	36	6			1.10	10.90	0.23			
	37	7			1.08	10.92	0.25			
	38	8			1.07	10.93	0.28			
	39	9			1.02	10.98	0.31			
	9:40	10			1.01	10.99	0.32			
	42	12			0.96	11.04	0.37			
	45	15			0.91	11.09	0.42			
	50	20			0.86	11.14	0.47			
	55	25			0.80	11.20	0.53			
	10:00	30			0.75	11.25	0.58			
	10	30			0.67	11.33	0.66			
	20	50			0.61	11.39	0.72			
	30	60			0.56	11.44	0.77			
	40	70			0.52	11.48	0.81			
	50	80			0.48	11.52	0.85			
	11:00	90			0.46	11.54	0.87			
	10	100			0.43	11.57	0.90			
	30	120			0.38	11.62	0.95			
AM	12:00	150			0.35	11.65	0.98			
PM	12:50	200			0.31	11.69	1.02			
	1:40	250			0.26	11.74	1.07			
	2:30	300			0.24	11.76	1.09			Stop pump.
	31	1			0.33	11.67				Reducers
	32	2			0.39	11.61				
	33	3			0.42	11.58				
	34	4			0.45	11.55				
PM	2:35	5		12.0	0.47	11.53				cont'd.

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Observation Well (#4)

WELL PRODUCTION TEST

Field
FORM B

Date 7-18-69 Engineer _____ Test by W. H. Baker County Madison

Owner Olin Mathieson Chem Corp. Location _____

Measuring point (See test on well #9)

Measuring equipment steel tape

Date	Hour	Time	Well No.	Water level			Draw-down (feet)	Piez. tube (inch)	Pump-ing rate (gpm)	Remarks
				Held	Wet	Depth				
			(obs)							
7-18	9:00		4	15.0	3.88	11.12				
AM	15				3.88	11.11				
	30	0			3.90	11.10	0			Start pump
	35	5			3.85	11.15	0.05			
	40	10			3.82	11.18	0.08			
	45	15			3.80	11.20	0.10			
	50	20			3.76	11.24	0.14			
	55	25			3.72	11.28	0.18			
	10:00	30			3.70	11.30	0.20			
	10	40			3.65	11.35	0.25			
	20	50			3.60	11.40	0.30			
	30	60			3.58	11.42	0.32			
	40	70			3.54	11.46	0.36			
	50	80			3.50	11.50	0.40			
	11:00	90			3.47	11.53	0.43			
	10	100			3.46	11.54	0.44			
	30	120			3.43	11.58	0.48			
AM	12:00	150			3.40	11.60	0.50			
PM	12:50	200			3.34	11.66	0.56			
	1:40	250			3.22	11.68	0.58			
	2:30	300			3.30	11.70	0.60			Stopped pump
	35	5			3.32	11.68				recovery
	40	10			3.36	11.64				
	45	15			3.37	11.63				
	50	20			3.40	11.60				
	55	25			3.43	11.57				
	3:00	30		15.0	3.29	11.51				end recovery

Observation Well (#5)

WELL PRODUCTION TEST

Field
FORM B

Date 7-18-69 Engineer _____ Test by W.H. Baker County Madison

Owner Ala Mathieson Chem Corp Location _____

Measuring point (see test on well #5)

Measuring equipment steel tape

Date	Hour	Time	Well No.	Water level			Draw-down (feet)	Piez. tube (inch)	Pumping rate (gpm)	Remarks
				Held	Wet	Depth				
7-18	9:05		5	13.0	2.58	10.42				
AM	9:20				2.60	10.40				
	9:30	0			2.64	10.36	0			Start pump
	35	5			2.61	10.39	0.03			
	40	10			2.60	10.40	0.04			
	45	15			2.59	10.41	0.05			
	50	20			2.57	10.43	0.07			
	55	25			2.58	10.44	0.08			
	10:00	30			2.55	10.45	0.09			
	10	40			2.53	10.48	0.12			
	20	50			2.51	10.49	0.13			
	30	60			2.50	10.50	0.14			
	40	70			2.47	10.53	0.17			
	50	80			2.45	10.55	0.19			
	11:00	90			2.44	10.56	0.20			
	10	100			2.43	10.58	0.22			
	30	120			2.41	10.59	0.23			
AM	12:00	150			2.38	10.62	0.26			
PM	12:50	200			2.35	10.65	0.29			
	1:40	250			2.32	10.68	0.32			
	2:30	300			2.30	10.70	0.34			Stop pump recovery
	35	5			2.31	10.69				
	40	10			2.31	10.69				
	45	15			2.32	10.68				
	50	20			2.33	10.67				
	55	25			2.34	10.66				
	3:00	30		13.0	2.36	10.64				End recovery