

## WELL PRODUCTION TEST

FIELD FORM A

Date 3-23-70 Engineer \_\_\_\_\_ Test by W.H. Baker County Madison  
 Owner Chemico Metals Corp. Driller Luhr Bros. Inc.  
 Location 1900' N, 1200' W of SE cor. Sec. 16 T. 4 S. R. 9 N. E. W.  
 Aquifer Sand & Gravel Drill Cuttings \_\_\_\_\_

PUMPED WELL (log on back of form)

Well No. 1 Depth 121.90' Date completed 3-19-70  
 Hole record 37" 0-20', 32" 20-121.90'  
 Casing record 30" +3-20', 16" +3-106.9'  
 Screen record 16" Nominal Johnson S.S. 106.9-121.9'  
Gravel pack 0-121.9'  
 Pump: Make and type Peerless test turbine No. stages 2 Dia. bowls 7"  
 Length bowls 2'10" depth top of bowls 40' Power Gasoline engine  
 Nonpumping level 25.86' below measuring point on 3-23-70 at 12:30 AM  
date PM  
 Pumping level 33.31' below measuring point after pumping at 760 gpm  
 for 2 hours on 3-23-70 at 2:30 AM PM. Drawdown 7.45'  
 Measuring point Top of casing 3' above 1st Elevation 430<sup>±</sup> 1st TM  
 Measuring equipment Electric drop line, in-line meter  
 Sample: 3-23-70 at 2:10 PM. Temp °F 57.0 Odor None  
date

## OBSERVATION WELLS (map on back of form)

Well No.	Depth	Dia.	Hole, casing, screen Record	Distance, Direction from pumped well
<u>2</u>	<u>(See test on Well #2)</u>			<u>250' East</u>

Remarks:

Drillers Log

0-25' clay  
25-35 sand  
35-45 clay  
45-60 sand  
60-120 sand & gravel

Copies

1 - Chemico Metals Corp.  
659 A E. Broadway  
P.O. Box 187  
Alton, Illinois -

2 - Luhr Bros., Inc.  
Columbia, Illinois -

1 - W. H. Baker (SWS) Edwards Co.  
2 - SDPH

## WELL PRODUCTION TEST

Field  
FORM B

Date 3-23-70 Engineer \_\_\_\_\_ Test by W.M. Baker County Madison  
 Owner Chemico Metals Corp Location 1900 N, 1200 W of SE cor  
Sec. 16 T4N. R9W  
 Measuring point Top of casing 3' above bed  
 Measuring equipment Electric drop line, in-line meter

Date	Hour	Time	Well No.	Water level			Draw-down (feet)	Piez. tube (inch)	Pump-ing rate (gpm)	Remarks
				Held	Wet	Depth				
3-23	12:00A		Pumped			25.93				
1970	15					25.88				
PM	12:30	0				25.86	0			Start pumping
	31	1				32.44	6.58			
	32	2				32.42	6.56		760	
	33	3				32.46	6.60			
	34	4				32.54	6.68			
	12:35	5				32.54	6.68			
	36	6				32.58	6.72		760	
	37	7				32.63	6.77			
	38	8				32.64	6.78			
	39	9				32.66	6.80			
	12:40	10				32.68	6.82		760	
	42	12				32.73	6.87			
	45	15				32.77	6.91			
	50	20				32.84	6.98			
	55	25				32.90	7.04		760	
	1:00	30				32.94	7.08			
	10	40				32.02	7.16			
	20	50				33.11	7.25			
	30	60				33.10	7.24		760	
	40	70				33.21	7.35			
	50	80				33.20	7.34			
	2:00	90				33.25	7.39			
	10	100				33.30	7.44		760	Sample Temp 57.0°F
	30	120				33.31	7.45			Stop pumping
	31	1				26.99				Recovery
	32	2				26.90				
	33	3				26.80				
	34	4				26.70				
	2:35	5				26.65				
	36	6				26.62				
	37	7				26.57				
	38	8				26.54				
PM	2:39	9				26.50				(cont'd)



Ob well

(4)  
21

## WELL PRODUCTION TEST

Field  
FORM B

Date 3-23-70 Engineer \_\_\_\_\_ Test by W.H. Baker County Madison  
 Owner Chemico Metals Corp. Location 1900'N, 950'W of SE cor  
Sec. 16 T4N, R9W  
 Measuring point Top of casing 3' above lsd.  
 Measuring equipment Electric drop line,

Date	Hour	Time	Well No.	Water level			Draw- down (feet)	Piez. tube (inch)	Pump- ing rate (gpm)	Remarks
				Held	Wet	Depth				
			Obs.							
3-23	12:30	0	2			26.60	0			Pumping #1 well start test
1970	31	1				26.87	0.27			
PM	32	2				26.98	0.38			
	33	3				27.08	0.48			
	34	4				27.14	0.54			
	12:35	5				27.16	0.56			
	36	6				27.21	0.61			
	37	7				27.26	0.66			
	38	8				27.30	0.70			
	39	9				27.32	0.72			
	12:40	10				27.34	0.74			
	42	12				27.37	0.77			
	45	15				27.44	0.84			
	50	20				27.51	0.91			
	55	25				27.55	0.95			
	1:00	30				27.59	0.99			
	10	40				27.68	1.08			
	20	50				27.72	1.12			
	30	60				27.77	1.17			
	40	70				27.84	1.24			
	50	80				27.86	1.26			
	2:00	90				27.87	1.27			
	10	100				27.89	1.29			
	2:30	120				27.94	1.34			Stop pump Recovery
	31	1				27.60				
	32	2				27.45				
	33	3				27.36				
	34	4				27.30				
	2:35	5				27.25				
	36	6				27.22				
	37	7				27.20				
	38	8				27.15				
	39	9				27.13				
	2:40	10				27.10				
PM	42	12				27.07				(cont'd)