



Environmental GEO-Technologies, LLC

September 30, 2014

Mr. Allan Batka
United States Environmental Protection Agency
Region 5 (WU-16J)
77 West Jackson Blvd.
Chicago, Illinois 60604

Re: EGT Monthly Report (in conformance with MI-163-1W-C010 & MI-163-1W-C011)

Dear Mr. Batka:

Environmental Geo-Technologies, LLC ("EGT") hereby timely submits its tenth Monthly Report in conformance with the requirements of its two EPA UIC permits (#s MI-163-1W-C010 & MI-163-1W-C011).

EGT is providing all of the attached information in the same sequence as required by both subject permits, i.e. Part II.D.1 (a - i), Part III, Attachment A, and Part III, Attachment E.G.2 & E.I.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

We trust that you find this report satisfactory, however, if you have any questions or comments, please feel free to contact us.

Sincerely,

Richard J. Powals, P.E.
Chief Operating Officer

cc: J. Frost (EGT), T. Athans (HH)

att.

rjp093014/EGTEPAMonthlyReport-August 2014

AVERAGE INJECTION RATE

Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2014

CURRENT REPORTING MONTH August

Date (month, year) of the first injection into either well at the Citrin Road Facility

NOVEMBER 2013

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
MI-163-1W-C010, Well #1-12			
Current Month	165,469	0	165,469
Since facility first injected			755,129
MI-163-1W-C011, Well #2-12			
Current Month	36	0	36
Since facility first injected			893,140
		Lifetime Combined	1,648,269

Conversion factors

365.25 days per year ÷ 12 months per year = 30.4375 days per month

30.4375 days per month × 1440 minutes per day = 43,830 minutes per month

Calculations

Whole number of months of injection 10

$$\underline{10} \text{ lifetime number of months of injection} \times 43,830 \text{ minutes/month} = \underline{438,300} \text{ minutes of injection}$$

$$\text{Lifetime combined injected volume } \underline{1,648,269} \div \underline{438,300} \text{ minutes of injection} = \underline{3.8} \text{ gpm average injection rate}$$

WELL 1 DATA

WELL 01 Monthly Data

Date	Min Injection Pressure (PSIG)	Max Injection Pressure (PSIG)	Min Sight Glass Level (in)	Max Sight Glass Level (in)	Min Annulus Pressure (PSIG)	Max Annulus Pressure (PSIG)	Min Injectate pH	Max Injectate pH	Min Flow Rate (GPM)	Max Flow Rate (GPM)	Min Differential Pressure (PSIG)	Max Differential Pressure (PSIG)
8/1/2014	0.00	711.00	22.00	23.10	186.00	1026.00	0.42	4.70	0.00	38.00	180.00	312.00
8/2/2014	0.00	732.00	22.10	24.20	204.00	1047.00	0.85	1.82	0.00	36.80	198.00	300.00
8/3/2014	0.00	0.00	23.20	23.80	195.00	303.00	1.70	1.73	0.00	0.00	192.00	306.00
8/4/2014	0.00	708.00	22.30	24.00	240.00	1026.00	1.70	2.52	0.00	28.00	228.00	312.00
8/5/2014	696.00	705.00	22.20	22.50	981.00	987.00	1.76	1.79	24.00	24.00	276.00	285.00
8/6/2014	0.00	723.00	22.00	24.50	978.00	1032.00	1.27	3.33	16.00	32.00	183.00	300.00
8/7/2014	0.00	690.00	22.00	24.00	192.00	1020.00	1.61	3.52	0.00	104.40	180.00	360.00
8/8/2014	0.00	0.00	22.00	23.30	264.00	282.00	2.61	2.67	0.00	0.00	264.00	285.00
8/9/2014	0.00	726.00	23.20	24.00	192.00	1050.00	0.85	2.58	0.00	36.40	186.00	330.00
8/10/2014	0.00	0.00	22.00	23.10	276.00	300.00	1.00	1.06	0.00	0.00	279.00	303.00
8/11/2014	0.00	720.00	23.00	24.50	186.00	1053.00	0.00	0.08	0.00	48.00	186.00	336.00
8/12/2014	0.00	0.00	22.50	23.40	207.00	225.00	0.00	0.00	0.00	0.00	207.00	219.00
8/13/2014	0.00	333.00	23.20	23.50	204.00	606.00	0.00	0.00	0.00	84.80	183.00	300.00
8/14/2014	0.00	747.00	22.30	24.00	183.00	723.00	0.06	0.06	0.00	32.80	180.00	306.00
8/15/2014	0.00	585.00	22.20	23.30	210.00	624.00	0.35	0.35	0.00	102.40	210.00	330.00
8/16/2014	0.00	0.00	23.20	23.40	231.00	240.00	0.00	0.00	0.00	0.00	228.00	240.00
8/17/2014	0.00	0.00	23.30	23.40	234.00	237.00	0.00	0.00	0.00	0.00	231.00	234.00
8/18/2014	0.00	594.00	22.00	24.00	234.00	930.00	0.35	0.00	0.00	44.80	234.00	339.00
8/19/2014	0.00	684.00	22.40	24.50	219.00	999.00	0.35	0.00	0.00	128.00	189.00	312.00
8/20/2014	0.00	330.00	23.40	23.50	231.00	234.00	0.00	0.00	0.00	0.00	228.00	234.00
8/21/2014	0.00	672.00	22.00	23.50	150.00	1038.00	0.70	1.60	0.00	104.80	216.00	318.00
8/22/2014	0.00	708.00	21.60	23.80	210.00	1047.00	0.50	0.50	0.00	118.00	207.00	342.00
8/23/2014	0.00	726.00	22.00	23.60	204.00	1053.00	2.00	2.00	0.00	114.40	198.00	336.00
8/24/2014	84.00	90.00	23.30	23.40	276.00	300.00	0.00	0.00	0.00	0.00	189.00	219.00
8/25/2014	84.00	720.00	21.80	23.70	273.00	1026.00	2.00	2.00	0.00	88.00	189.00	330.00
8/26/2014	99.00	708.00	22.00	23.80	300.00	1044.00	1.20	5.80	0.00	85.60	210.00	336.00
8/27/2014	36.00	717.00	21.90	23.60	291.00	1020.00	2.50	2.50	0.00	92.00	252.00	339.00
8/28/2014	0.00	120.00	21.60	23.80	180.00	360.00	1.00	1.00	0.00	89.60	183.00	312.00
8/29/2014	0.00	720.00	21.90	23.60	231.00	1059.00	2.00	2.00	0.00	106.40	228.00	348.00
8/30/2014	78.00	84.00	23.20	23.20	306.00	339.00	0.00	0.00	0.00	0.00	219.00	255.00
8/31/2014	75.00	81.00	23.30	23.40	300.00	306.00	0.00	0.00	0.00	0.00	216.00	222.00

Well I Data Description

The data on 8/5/14 is a false high number as a result of a power outage that knocked out the Foundation Field Bus communication system. This system communicates between the instrumentation on both injection wells and the main SCADA control system. When the Foundation Field Bus is knocked out by loss of power the circle charts will lock in the position of the last recorded value. The foundation field bus then needs to be rebooted by a programmer. The alarm system was functional with backup generator power. No injection took place and no alarms were triggered on the 5th of August.

Circle Chart Index

Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure

Channel #2

Red Pen - Well 1 Annulus Pressure

Channel #3

Green Pen - Well 1 Flow Rate

Channel #4

Black Pen - Well 1 Annulus Tank Level

Chart Recorder #2

Channel #1

Blue Pen - Well 2 Injection Pressure

Channel #2

Red Pen - Well 2 Annulus Pressure

Channel #3

Green Pen - Well 2 Flow Rate

Channel #4

Black Pen - Well 2 Annulus Tank Level

Chart Recorder #3

Channel #1

Blue Pen - Injection pH Well 1 & 2

Channel #2

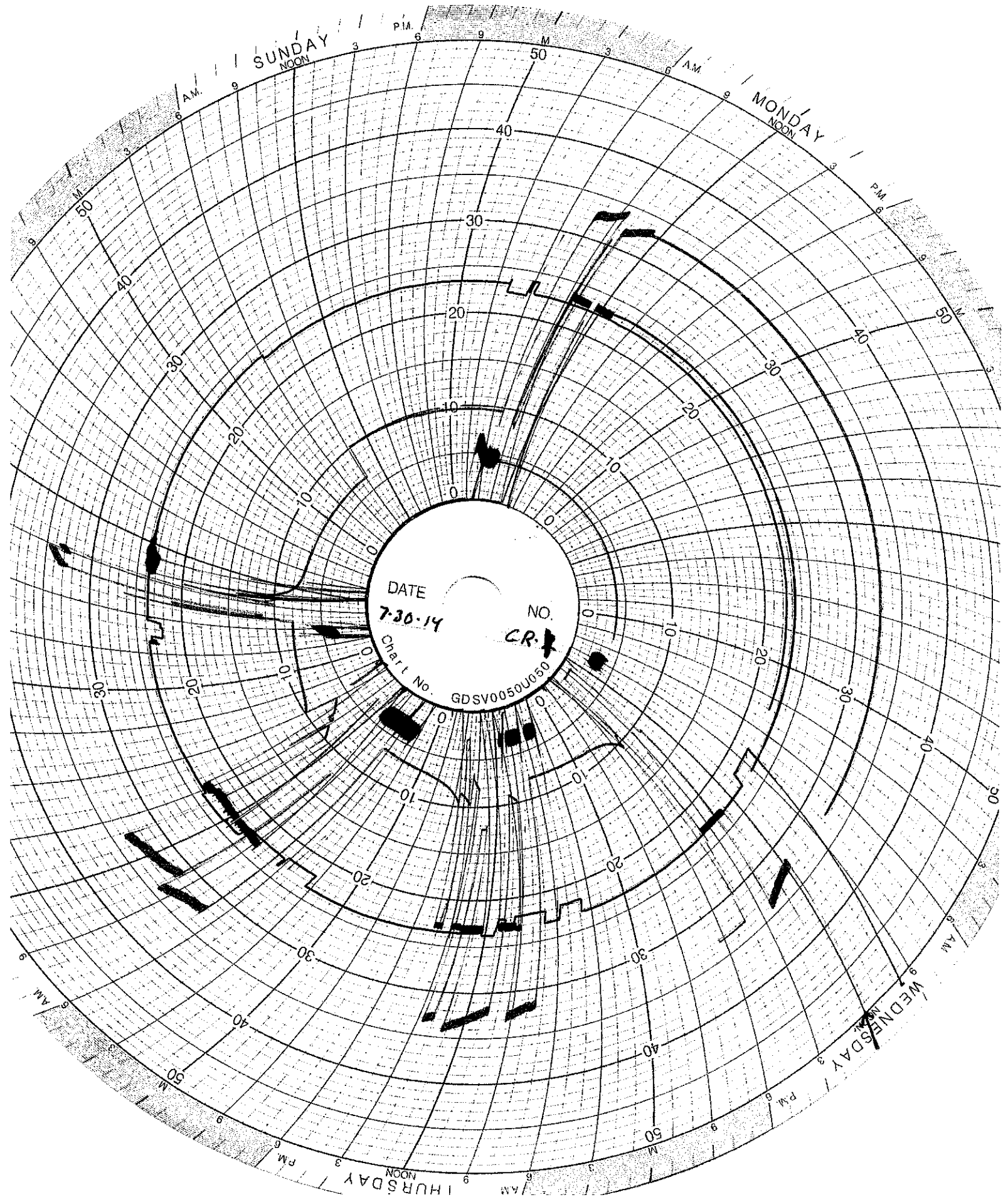
Red Pen - Well 1 Monthly Volume

Channel #3

Green Pen - Well 2 Monthly Volume

Channel #4

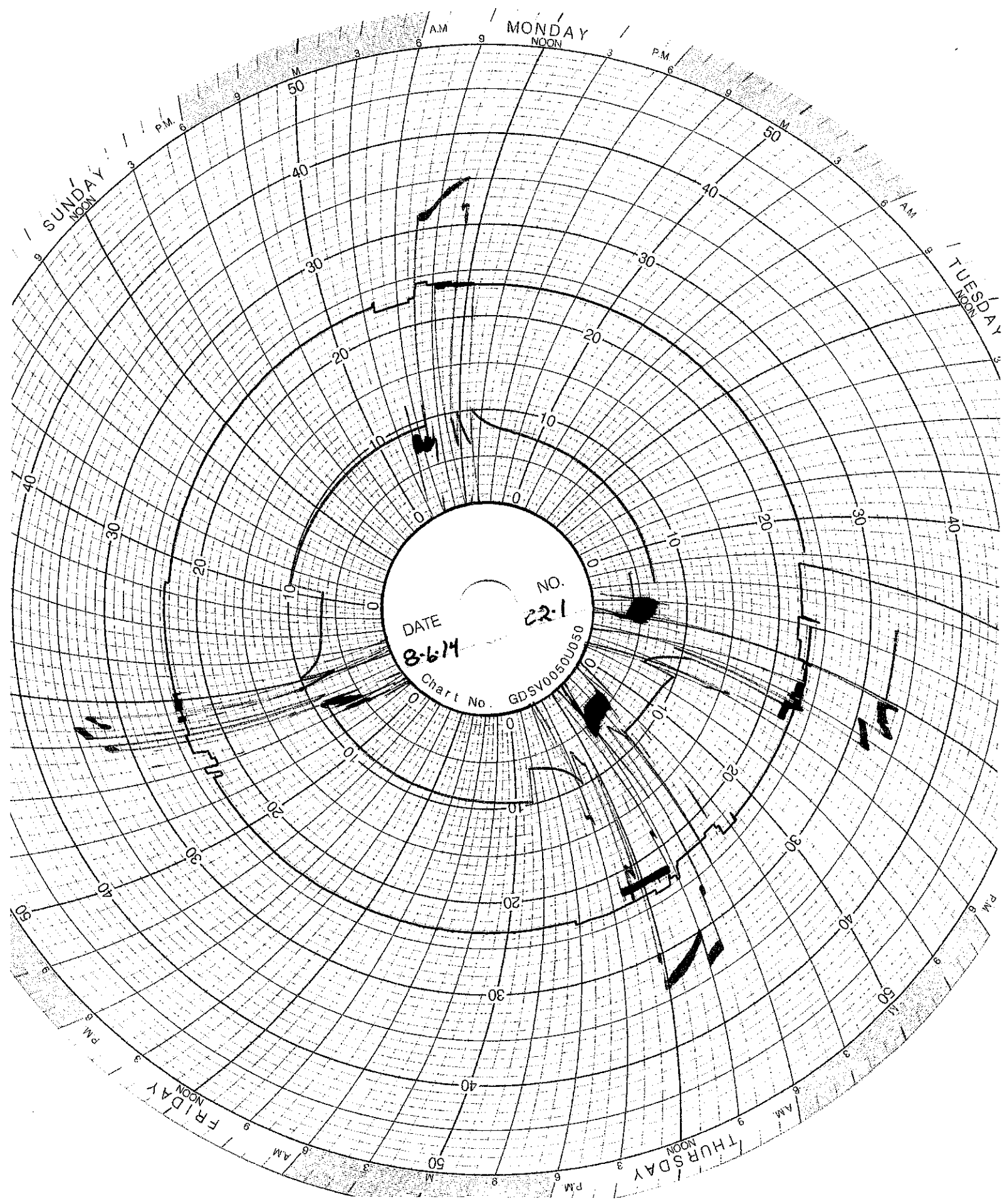
Black Pen - Temperature



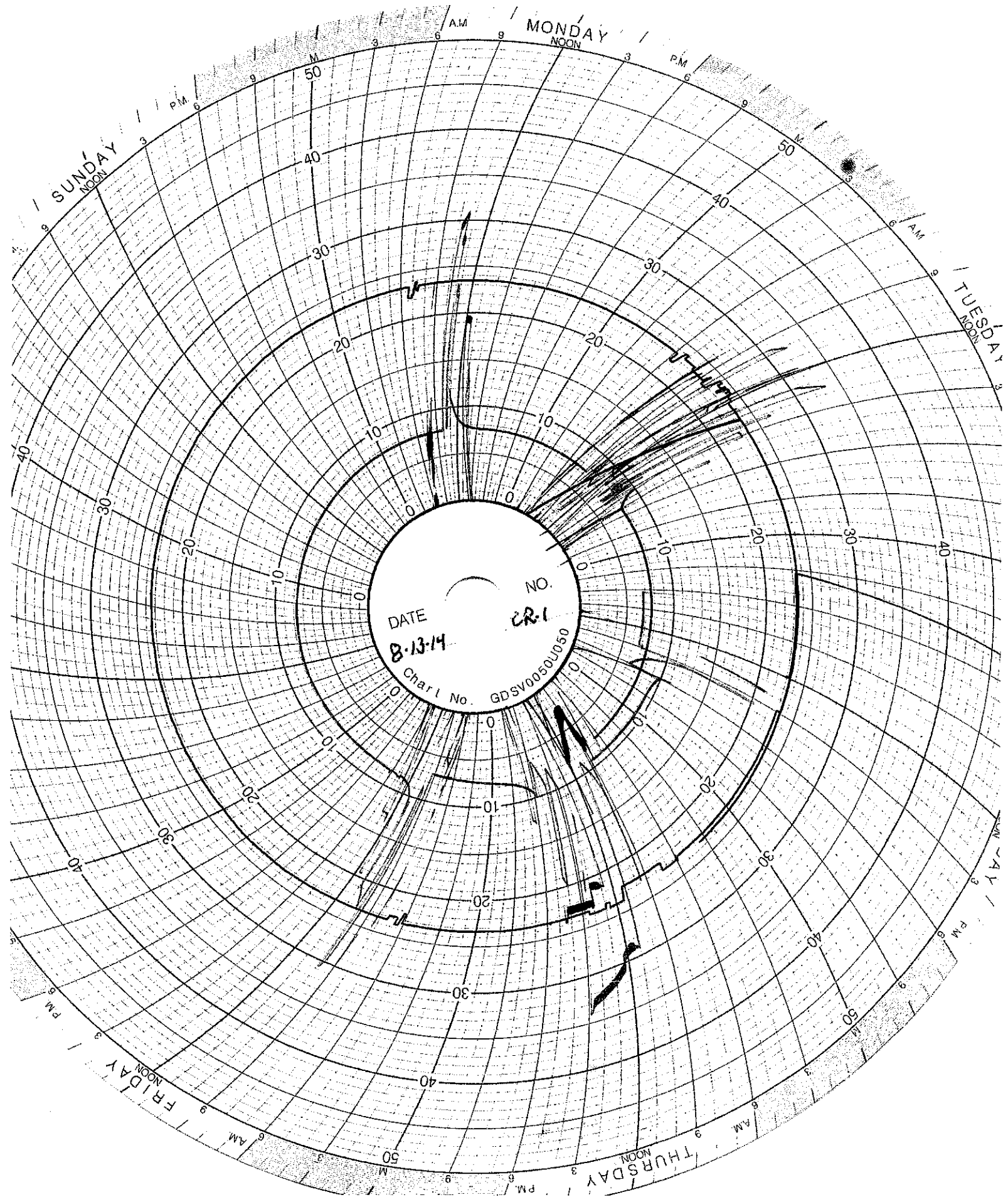
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7-30-14

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Chart No. GDSV0050U050



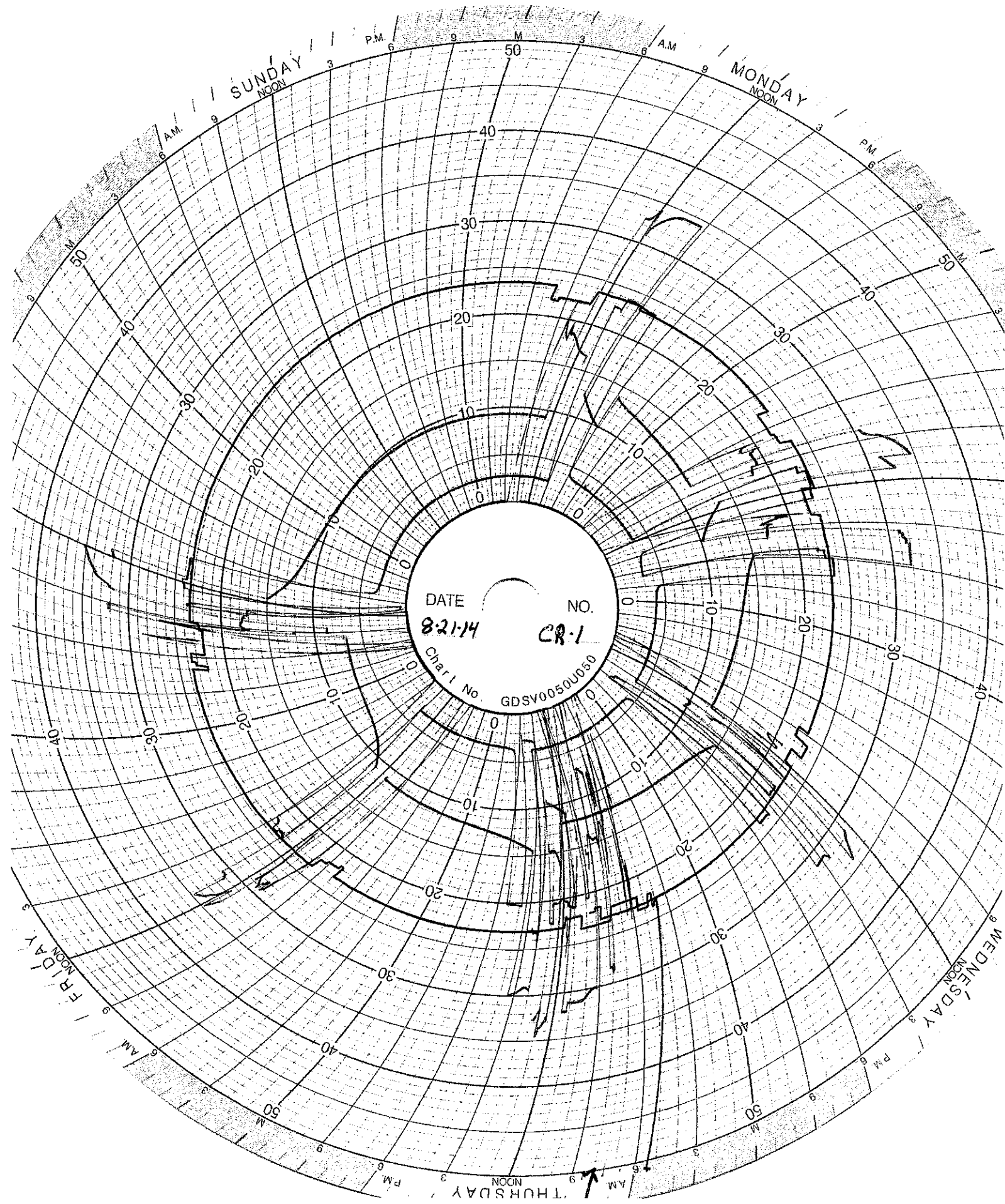
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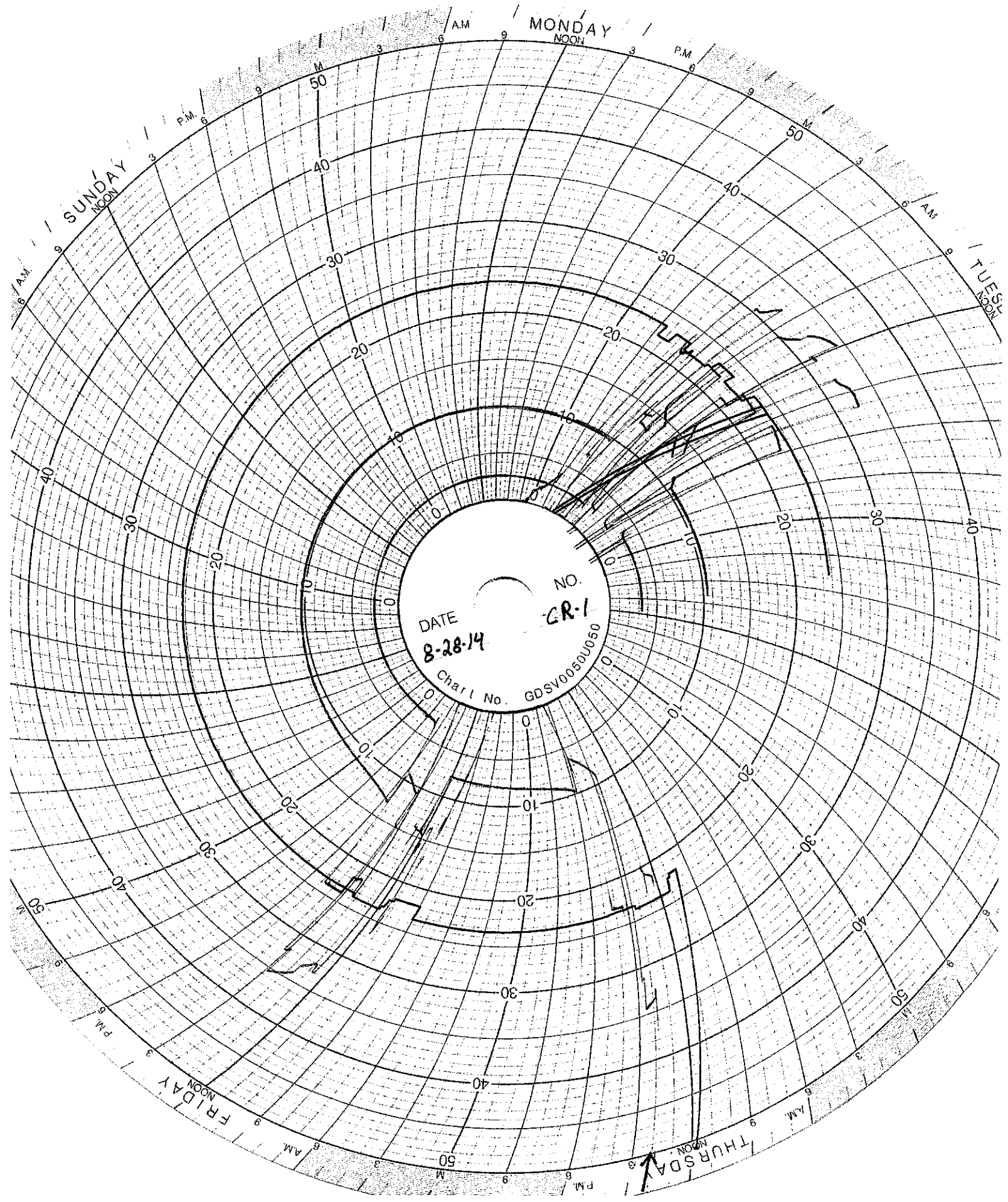


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8-13-14

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DATE
8-28-14

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CR-1

Chart No. GDSV00500050

WELL 2 DATA

Well 02 Monthly Data

Date	Min Injection Pressure (PSIG)	Max Injection Pressure (PSIG)	Min Sight Glass Level (in)	Max Sight Glass Level (in)	Min Annulus Pressure (PSIG)	Max Annulus Pressure (PSIG)	Min Injectate pH	Max Injectate pH	Min Flow Rate (GPM)	Max Flow Rate (GPM)	Min Differential Pressure (PSIG)	Max Differential Pressure (PSIG)
8/1/2014	0.00	0.00	25.80	26.00	240.00	270.00	0.42	4.70	0.00	0.00	240.00	270.00
8/2/2014	0.00	0.00	21.70	25.50	225.00	240.00	0.85	1.82	0.00	0.00	225.00	240.00
8/3/2014	0.00	0.00	21.60	22.00	219.00	225.00	1.70	1.73	0.00	0.00	219.00	225.00
8/4/2014	0.00	0.00	21.80	22.00	219.00	219.00	1.70	2.52	0.00	0.00	219.00	219.00
8/5/2014	0.00	0.00	21.80	21.90	222.00	228.00	1.76	1.79	0.00	0.00	222.00	228.00
8/6/2014	0.00	0.00	21.70	21.80	228.00	228.00	1.27	3.33	0.00	0.00	228.00	228.00
8/7/2014	0.00	0.00	21.80	22.00	228.00	231.00	1.61	3.52	0.00	0.00	228.00	231.00
8/8/2014	0.00	0.00	21.60	21.90	234.00	234.00	2.61	2.67	0.00	0.00	234.00	234.00
8/9/2014	0.00	702.00	19.80	21.50	225.00	936.00	0.85	2.58	0.00	19.20	228.00	294.00
8/10/2014	0.00	0.00	21.00	21.20	267.00	270.00	1.00	1.06	0.00	0.00	267.00	270.00
8/11/2014	0.00	0.00	20.70	21.00	267.00	267.00	0.00	0.08	0.00	0.00	267.00	267.00
8/12/2014	0.00	0.00	20.60	20.80	270.00	270.00	0.00	0.00	0.00	0.00	270.00	270.00
8/13/2014	0.00	0.00	20.60	21.00	270.00	270.00	0.00	0.00	0.00	0.00	270.00	270.00
8/14/2014	0.00	0.00	20.40	20.50	270.00	270.00	0.06	0.06	0.00	0.00	270.00	270.00
8/15/2014	0.00	0.00	20.00	20.40	270.00	270.00	0.35	0.35	0.00	0.00	270.00	270.00
8/16/2014	0.00	0.00	19.30	20.00	264.00	270.00	0.00	0.00	0.00	0.00	264.00	270.00
8/17/2014	0.00	0.00	19.20	19.40	264.00	264.00	0.00	0.00	0.00	0.00	264.00	264.00
8/18/2014	0.00	0.00	19.20	19.40	264.00	264.00	0.35	0.00	0.00	0.00	264.00	264.00
8/19/2014	0.00	0.00	19.20	19.20	264.00	264.00	0.35	0.00	0.00	0.00	264.00	264.00
8/20/2014	0.00	0.00	19.40	19.40	264.00	264.00	0.00	0.00	0.00	0.00	264.00	264.00
8/21/2014	0.00	0.00	19.40	19.50	264.00	264.00	0.70	1.60	0.00	0.00	264.00	264.00
8/22/2014	0.00	0.00	19.40	19.60	267.00	267.00	0.50	0.50	0.00	0.00	267.00	267.00
8/23/2014	0.00	0.00	19.20	19.40	261.00	267.00	2.00	2.00	0.00	0.00	261.00	267.00
8/24/2014	0.00	0.00	19.20	19.30	258.00	264.00	0.00	0.00	0.00	0.00	258.00	264.00
8/25/2014	0.00	0.00	19.10	19.20	255.00	258.00	2.00	2.00	0.00	0.00	255.00	258.00
8/26/2014	0.00	0.00	19.20	19.20	258.00	264.00	1.20	5.80	0.00	0.00	258.00	264.00
8/27/2014	0.00	0.00	19.30	19.40	264.00	264.00	2.50	2.50	0.00	0.00	264.00	264.00
8/28/2014	0.00	0.00	19.30	19.60	264.00	270.00	1.00	1.00	0.00	0.00	264.00	270.00
8/29/2014	0.00	0.00	19.40	19.60	264.00	270.00	2.00	2.00	0.00	0.00	264.00	270.00
8/30/2014	0.00	0.00	19.30	19.50	255.00	264.00	0.00	0.00	0.00	0.00	255.00	264.00
8/31/2014	0.00	0.00	19.20	19.20	249.00	255.00	0.00	0.00	0.00	0.00	249.00	255.00

Circle Chart Index

Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure

Channel #2

Red Pen - Well 1 Annulus Pressure

Channel #3

Green Pen - Well 1 Flow Rate

Channel #4

Black Pen - Well 1 Annulus Tank Level

Chart Recorder #2

Channel #1

Blue Pen - Well 2 Injection Pressure

Channel #2

Red Pen - Well 2 Annulus Pressure

Channel #3

Green Pen - Well 2 Flow Rate

Channel #4

Black Pen - Well 2 Annulus Tank Level

Chart Recorder #3

Channel #1

Blue Pen - Injection pH Well 1 & 2

Channel #2

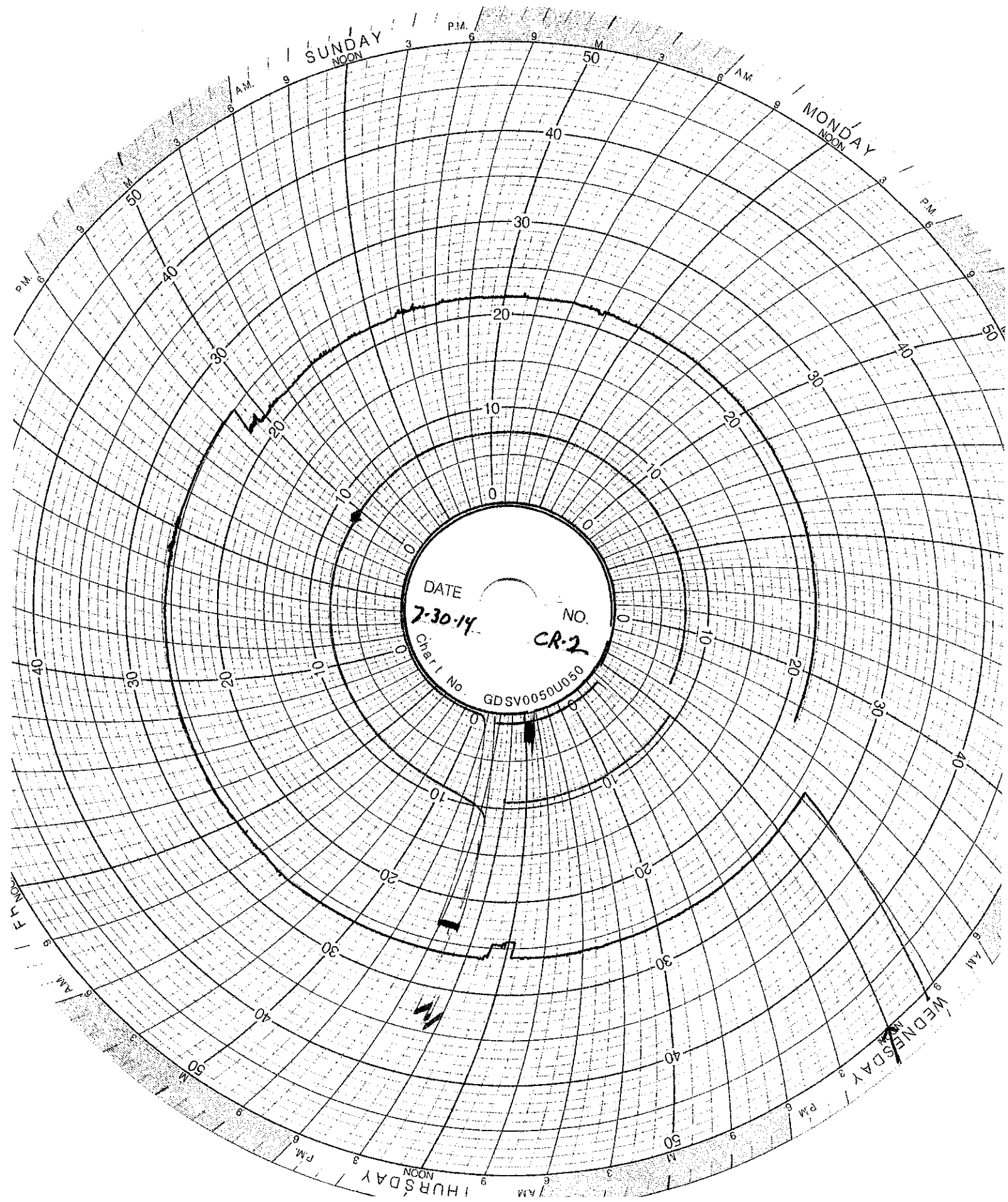
Red Pen - Well 1 Monthly Volume

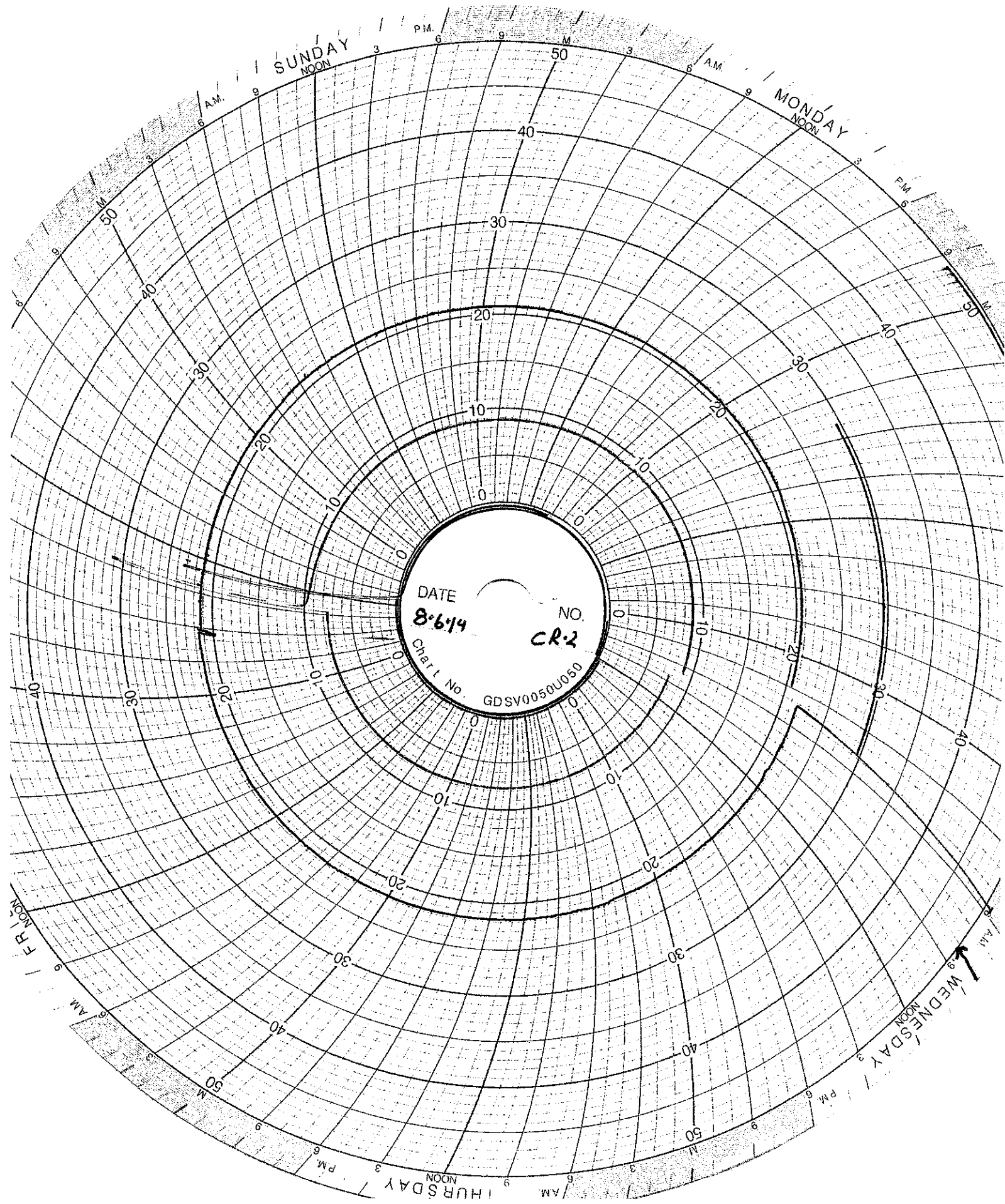
Channel #3

Green Pen - Well 2 Monthly Volume

Channel #4

Black Pen - Temperature





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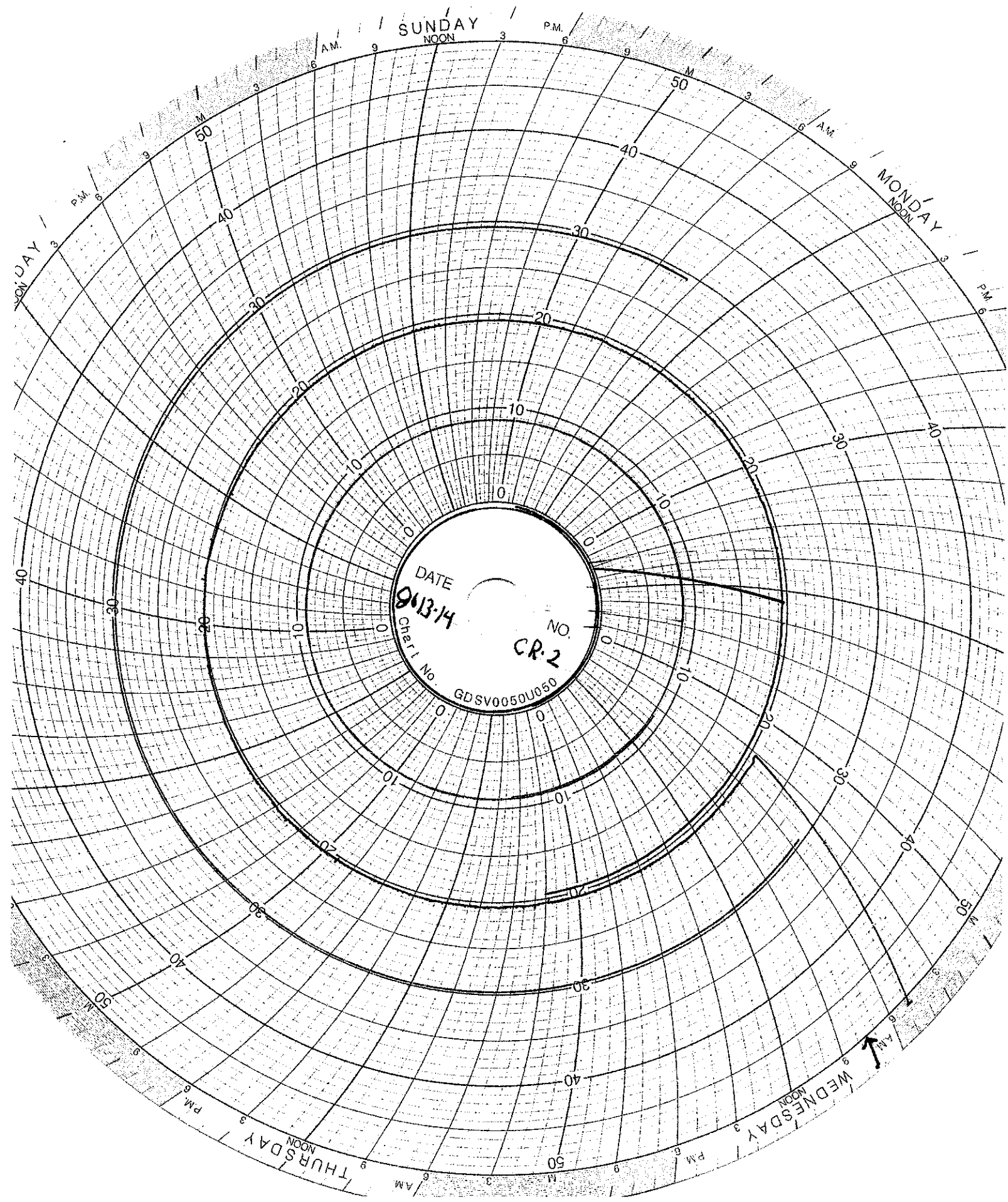
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Chart No.

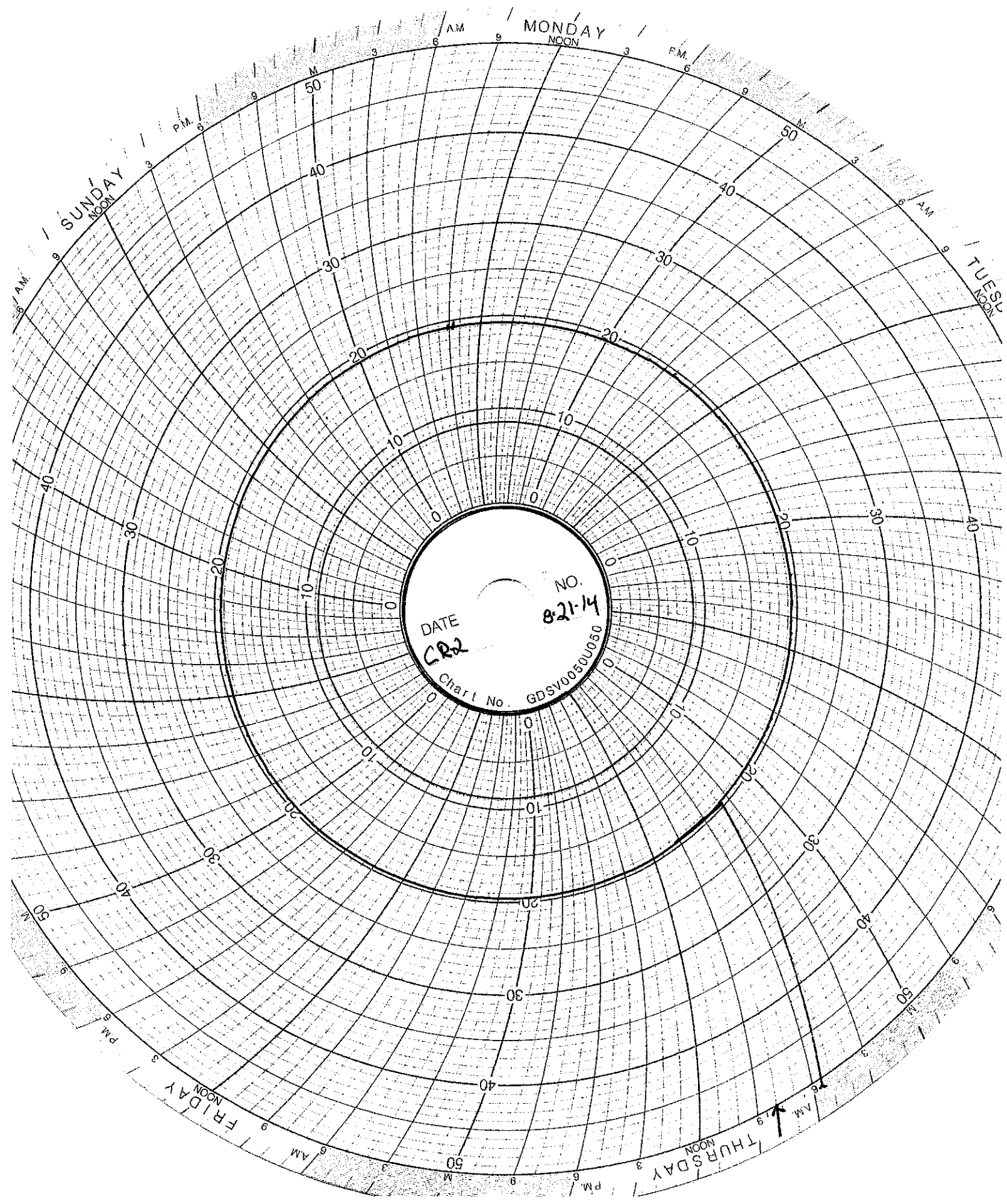
GDSV0050U050



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Chart No. GDSV0050U050



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8-21-14

Chart No.

GDSV0050050

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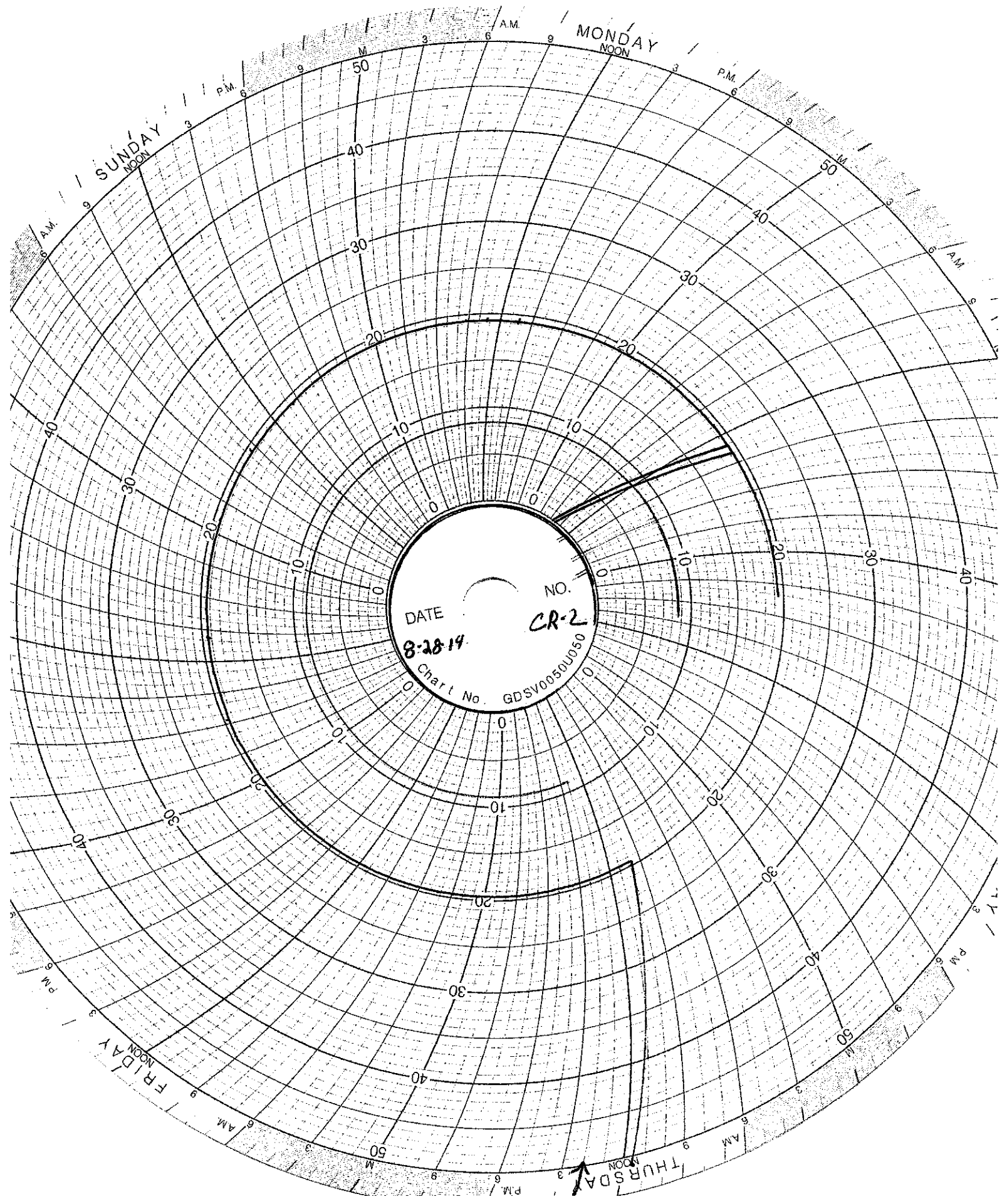
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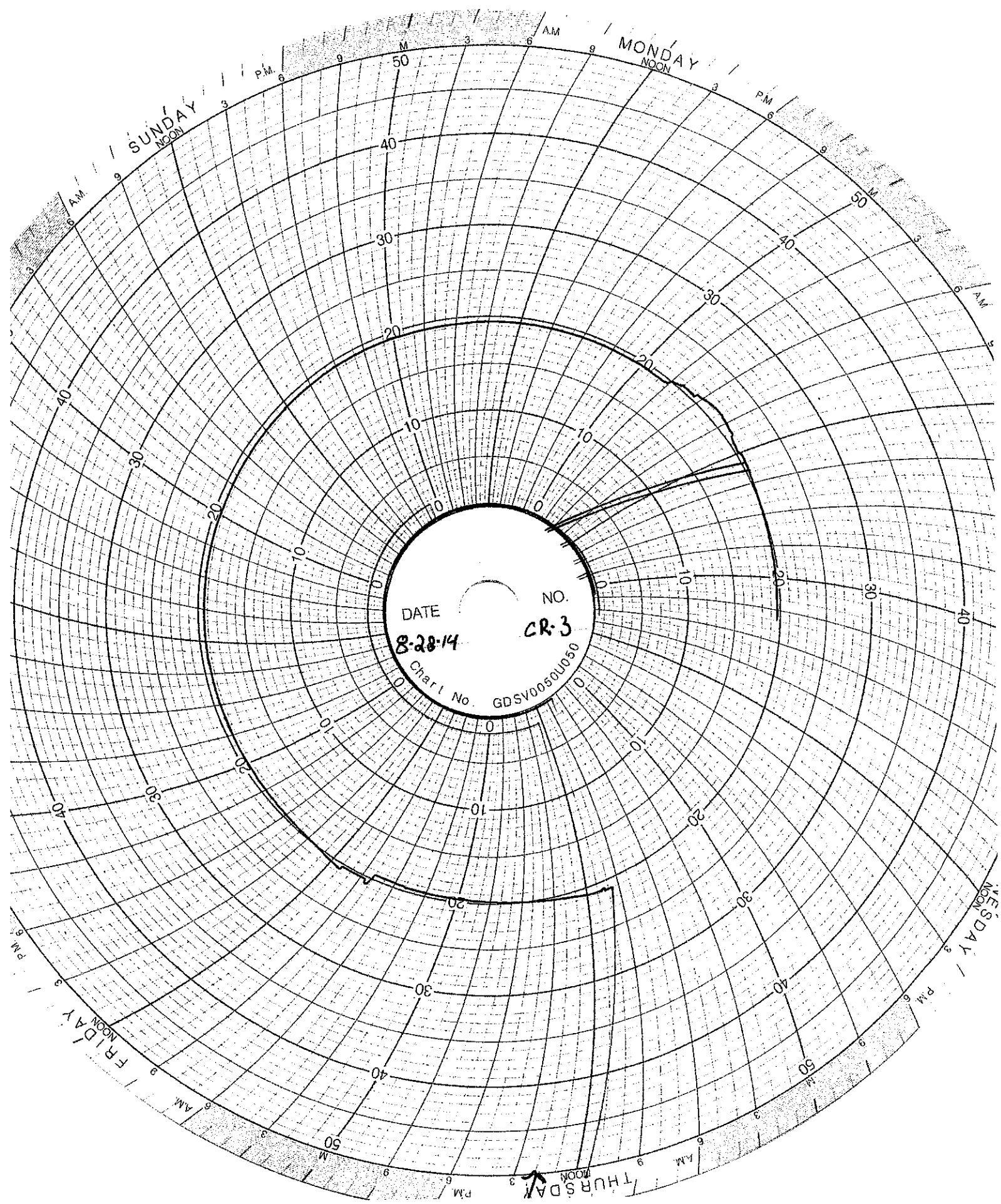
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CR-2

Chart No.

GDSV0050U050



DATE 8-28-14
NO. CR-3
Chart No. GDSV00501J050

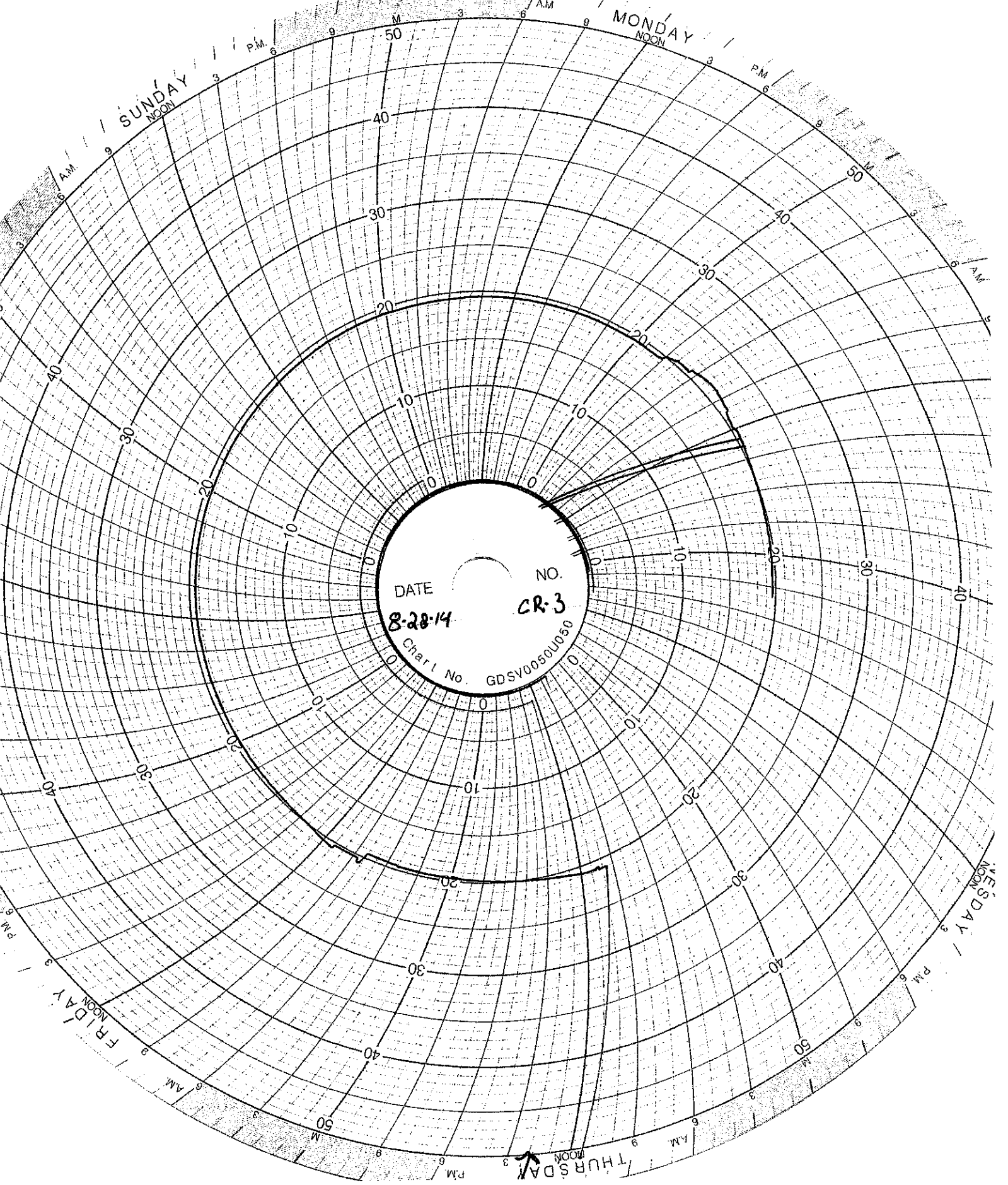
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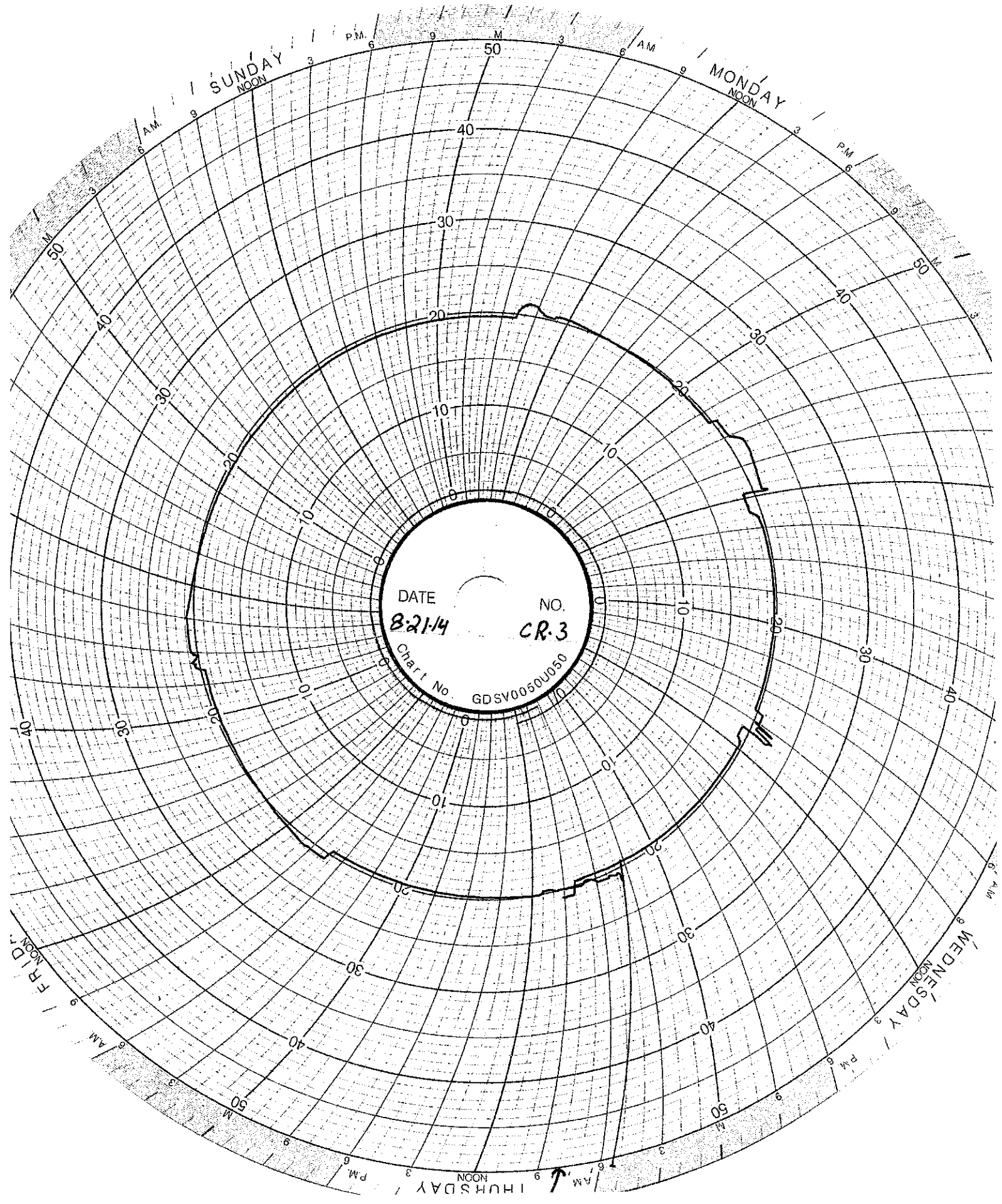
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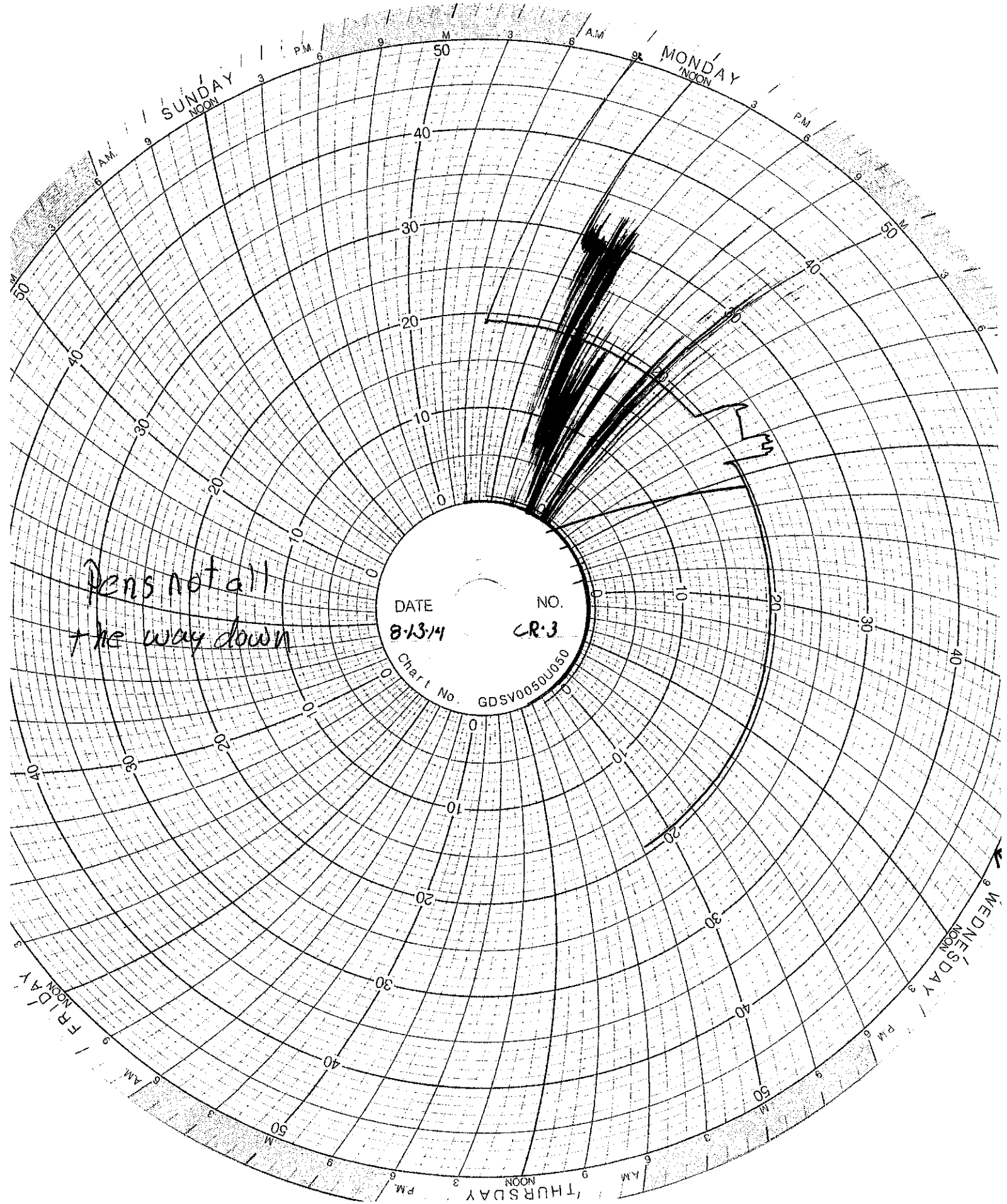
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CR-3

Chart No.
GDSV00050U050



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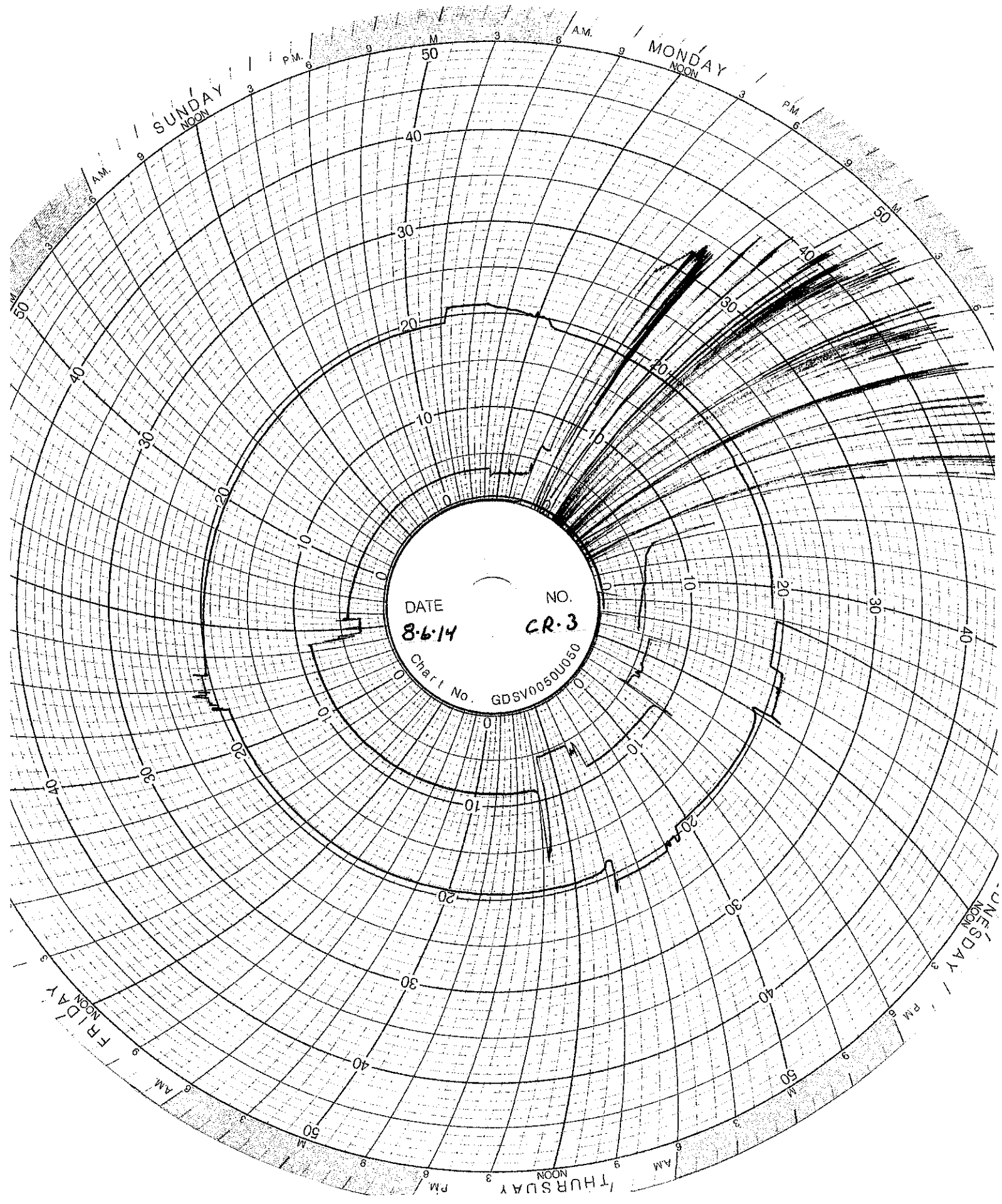
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DATE 8-13-74 NO. CR-3

Chart No. GDSV0050U050

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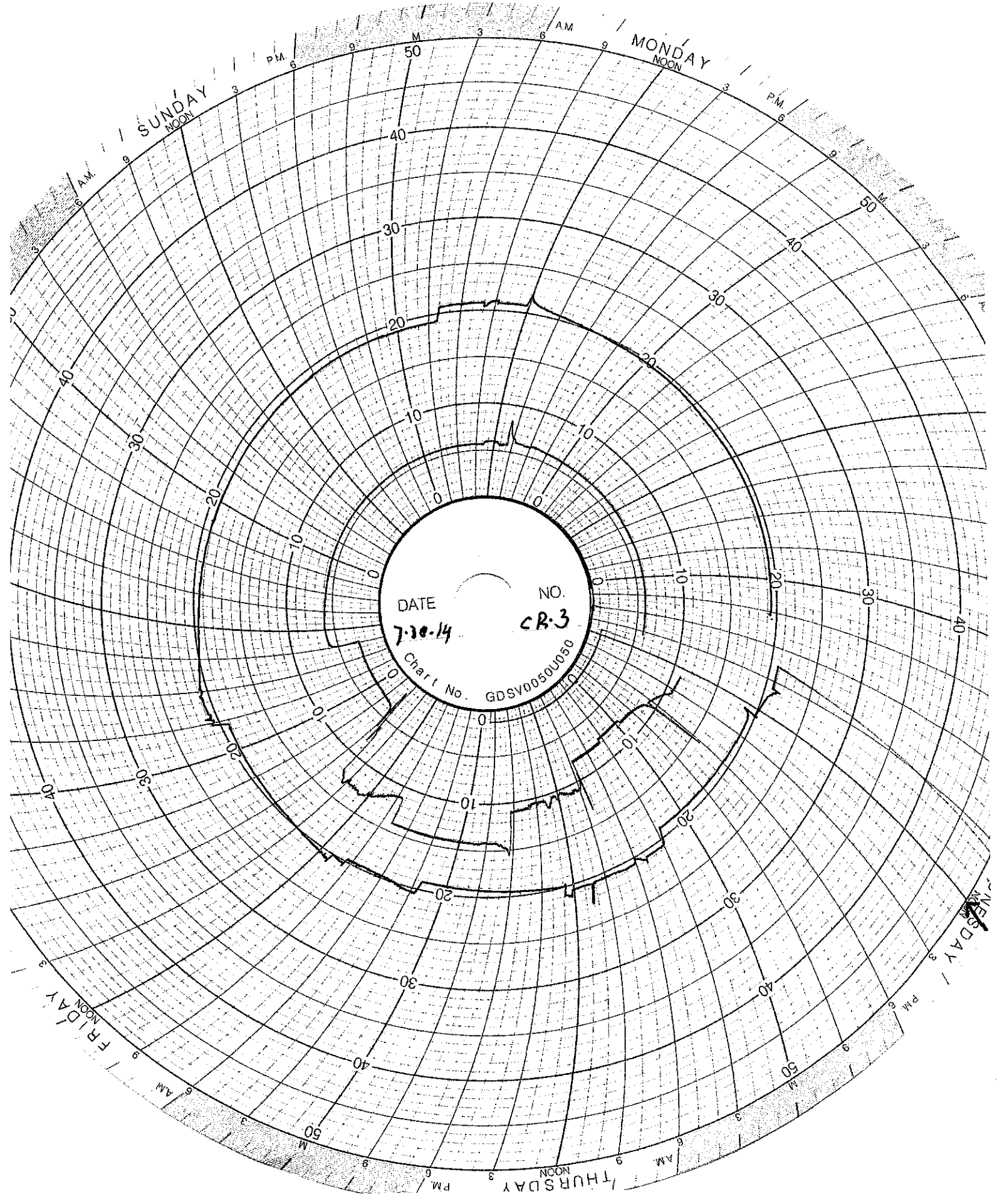
8-6-14

NO.

CR-3

Chart No.

GDSV0050U050



DATE 7-30-14 NO. CR-3

Chart No. GDSV00500050

MAINTENANCE LOG

UIC Monthly Maintenance Log

8/4/2014	Install Well 1 injection pump	Replaced well 1 injection pump with new Roto-Jet pump
8/6/2014	Foundation Fieldbus	Mak Controls reboot foundation field bus communication system.
8/8/2014	Align well 1 pump and motor	Service tech from Sunsource aligned the pump and motor on well 1.
8/18/2014	Foundation Fieldbus	Mak Controls reloaded foundation field bus program.
8/19/2014	Well 1 pipe welding	Lee contracting was on site to weld the effluent pipe on from the Roto-Jet pump on well 1.

CORROSION MONITORING

CORROSION MONITORING COUPONS BASELINE VISUAL DESCRIPTION

November 4, 2013

Fiberglass

The fiberglass coupon is Red Box 2000 type and is 2-1/2 inches long by 1/2 inch wide and 1/4 inches thick. It is a dark orange (rust) in color with a glossy shine on one side a polished look on the opposite side and the cut edges look sanded.

Hastelloy

The hastelloy coupon is identified as C276 with serial number 1. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

Stainless Steel

The stainless steel coupon is identified as 316L with serial number C1562. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

CORROSION MONITORING COUPON VISUAL DESCRIPTION

May 30, 2014

Fiberglass

No pitting or cracking present on this coupon.

Hastelloy

No pitting or cracking present on this coupon.

Stainless Steel

There is some minor pitting but stainless steel is not part of the EGT well construction..

CORROSION MONITORING COUPON VISUAL DESCRIPTION

Aug 12, 2014

Fiberglass

No pitting or cracking present on this coupon. Slight color change

Hastelloy

No pitting or cracking present on this coupon.

Stainless Steel

There is some pitting and deterioration but stainless steel is not part of the EGT well construction.

GHSQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: November 15, 2013
Test Date: October 15 - November 14, 2013

Report #1310-77651
Performed for:
Environmental Geo-Technologies
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.
(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

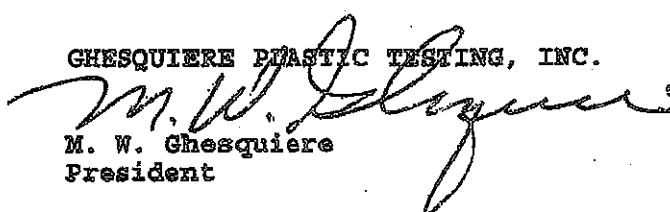
The following determination was made based upon the above test:

BARCOL HARDNESS

	<u>Hardness</u>
Specimen 1	90

Specimen is being returned with this report for further evaluation.

GHSQUIERE PLASTIC TESTING, INC.


M. W. Ghesquiere
President

MWG/kni

Ghesquiere Plastic Testing, Inc.

20450 HARPER AVENUE
HARPER WOODS, MI 48226
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: February 17, 2014
Test Date: February 14 - 17, 2014

Report #1402-78036
Performed for:
Environmental Geo-Technologies
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.
(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

Hardness

Specimen 1: 90

Specimen was returned to the client on February 17, 2014.

Ghesquiere Plastic Testing, Inc.

M. W. Ghesquiere
President

MWG/dm

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: June 16, 2014
Test Date: June 13 - 16, 2014

Report #1406-78499
Performed for:
Environmental Geo-Technologies, LLC
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS


Hardness

Specimen 1

85

Specimen was returned to the client June 16, 2014.

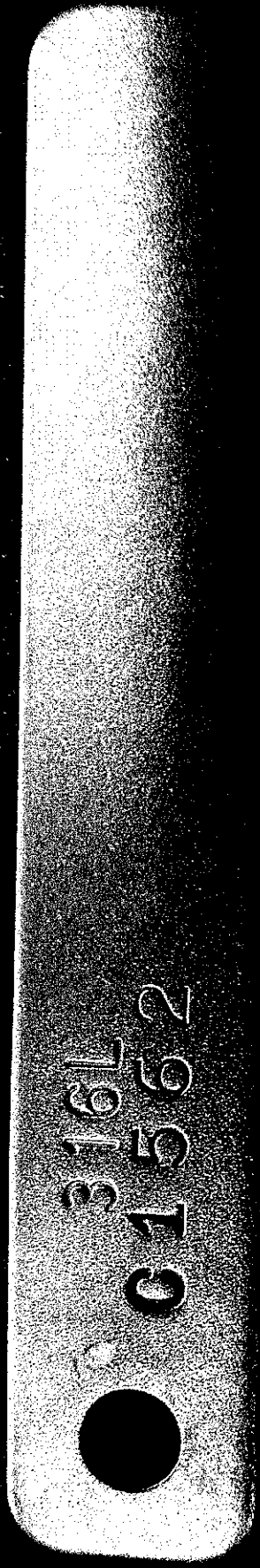
GHESQUIERE PLASTIC TESTING, INC.


M. W. Ghesquiere
President

MWG/dm

CORROSION MONITORING PLAN
COUPON SUMMARY

Date	Hastelloy (C267)	Stainless Steel (316L)	Fiberglass (Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7.306 g	
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	
6/30/2014	13.321 g	10.337 g	7.196 g	
7/11/2014	13.323 g	10.304 g	7.196 g	
8/12/2014	13.328g	10.045g	7.182g	



316L
C1562

Stainless Steel Coupon

Date: 2/21/14

ID: 316L/# C1562

Weight: 10.846 grams

C216

Hastelloy Coupon

Date: 2/21/14

ID: C267(1)

Weight: 13.329 grams



Fiberglass Coupon

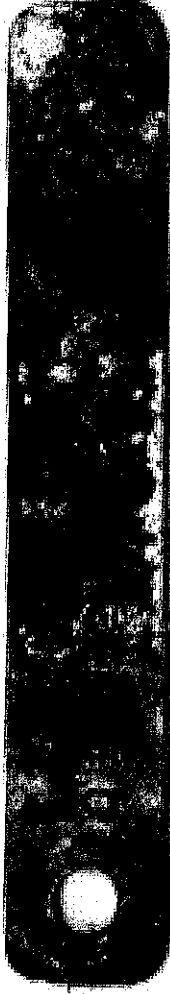
Date: 2/21/14

Weight: 7.306 grams

8/11/14

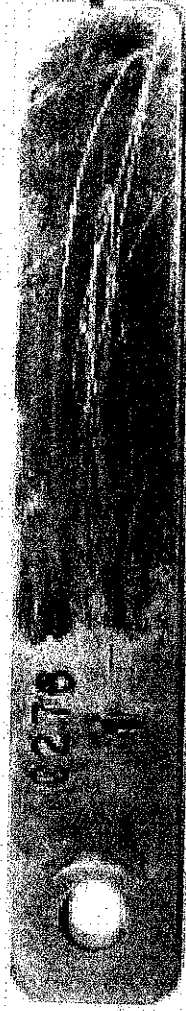
Copper weights

316 L



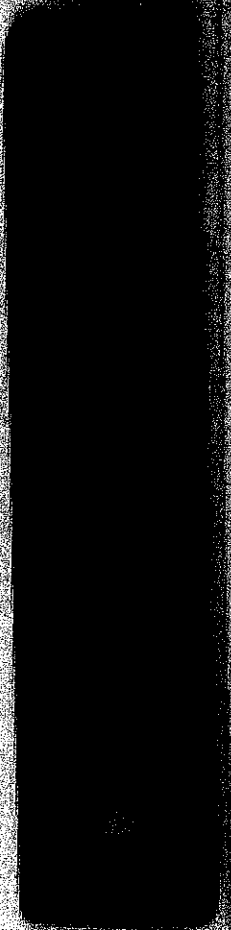
10.045

C 276



13.328g

Fiber glass



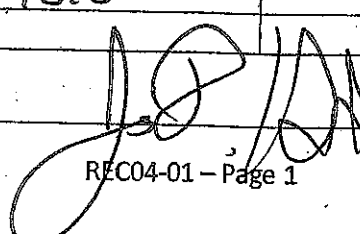
7.182g

**INJECTION
FINGERPRINTS**

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/1/14
Receiving ID#	108011401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	D.H.

COPY

LAB INFORMATION		Offfield Blank Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.22	TDS	6.8
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	78°F		
Conductivity	134.3 mS		
% Solids	16.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	10.0		
Radiation Screen (as needed)			
Lab Signature			

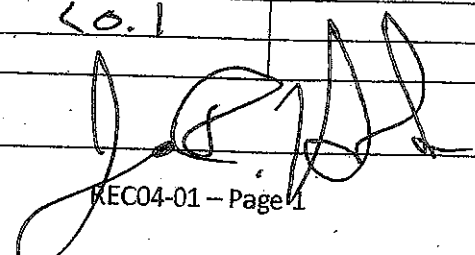
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/6/14
Receiving ID#	108061401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	D.H.

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.22	TDS	6.67
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	75°F		
Conductivity	133.0		
% Solids	6.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

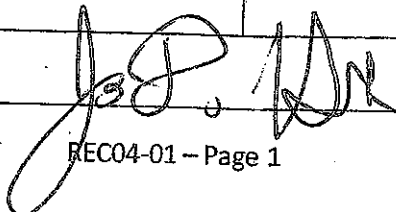
7/1/13

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/9/14
Receiving ID#	108091401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	KF

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Samples			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	< 0.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.27	TDS	7.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	158.1 mS		
% Solids	7.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

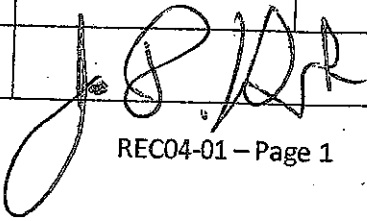
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/14/14
Receiving ID#	I08141401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

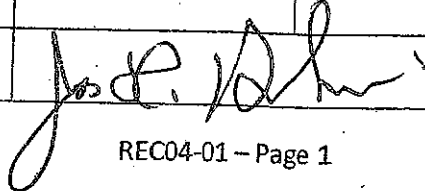
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LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.17	TDS	9.2
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	77°F		
Conductivity	184.2 mS		
% Solids	9.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.3		
Radiation Screen (as needed)			
Lab Signature			

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/15/14
Receiving ID#	16815140
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.W.
Sampled by	DM

COPY

LAB INFORMATION		All Waste Shipments		Other Brines Only	
Compatible? (RT#)	Yes No	Barium			
PCBs (ppm)(Oily Waste Only)?		Calcium			
TOC (ppm)(CC Waste Only)?		Total Iron			
Flash Point (°F)	140	Magnesium			
pH (S.U.)	10.1	Sodium Chloride			
Cyanides? (mg/L)		Bicarbonate			
Sulfides? (ppm)		Carbonate			
Specific Gravity	1.32	TDS			34.47
Physical Description		Resistivity			
Stream Consistency	Yes No	Sulfate			
Oil in Sample	Yes No				
Temperature	70°F				
Conductivity	400.0 μS				
% Solids	34.4				
Turbidity	Yes No				
Color (visual)					
TSS (%)	10.1				
Radiation Screen (as needed)					
Lab Signature					

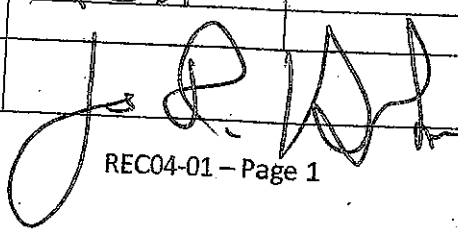
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/21/14
Receiving ID#	10821140
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	WAR

COPY

LAB INFORMATION		Onfield Samples Only	
All Waste Shipments		Yes	No
Compatible? (RT#)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	6.57
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	76°F		
Conductivity	130.8 μ S		
% Solids	6.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

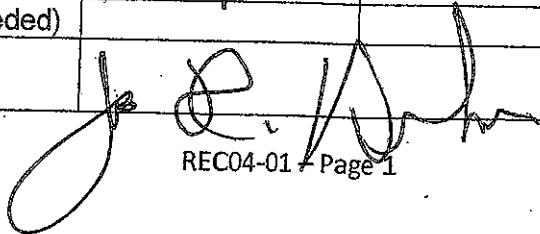
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/21/14
Receiving ID#	108211402
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.01	TDS	0.6?
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	74°F		
Conductivity	12.9 mS		
% Solids	0.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

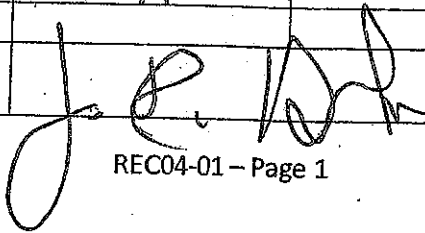
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/22/14
Receiving ID#	108221401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. H.
Sampled by	OK

COPY

LAB INFORMATION		Oilfield Sites Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.13	TDS	9.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	77°F		
Conductivity	197.1 mS		
% Solids	9.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

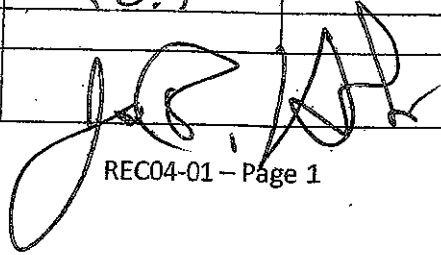
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/23/14
Receiving ID#	T082231401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	R.H.

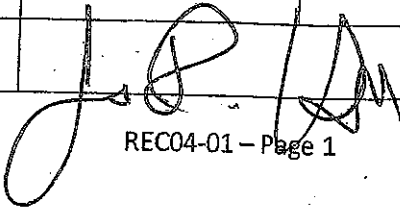
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LAB INFORMATION		Oilfield Brines Only	
All Waste Streams			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.03	TDS	1.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	76		
Conductivity	36.3 mS		
% Solids	1.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/25/14
Receiving ID#	10825/401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	A.H.

COPY

LAB INFORMATION		Oilfield Brines Only	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	2.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.03	TDS	1.67
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	78°F		
Conductivity	32.9 μS		
% Solids	1.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/26/14
Receiving ID#	108261401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	DM

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	1.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	2.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	76°F		
Conductivity	55.4 mS		
% Solids	2.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

RECO4-01 - Page 1

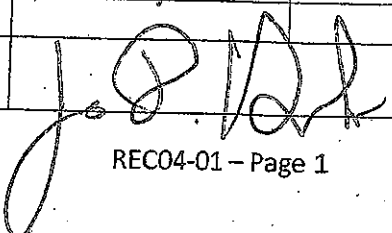
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/26/14
Receiving ID#	I. 08261402
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	D.A.

COPY

LAB INFORMATION		Oilfield Brines Only	
Compatible? (RT#)	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	5.8	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.01	TDS	0.77
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	71°F		
Conductivity	1.5 mS		
% Solids	0.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/27/14
Receiving ID#	108271401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	DM

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Samples			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.06	TDS	337
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	65.3 mS		
% Solids	3.3		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	J.P. [Signature]		

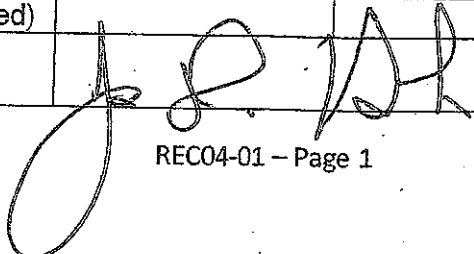
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/28/14
Receiving ID#	10828140
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

COPY

LAB INFORMATION		Critical Values Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	6.4%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	77°F		
Conductivity	127.6 mS		
% Solids	6.4		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

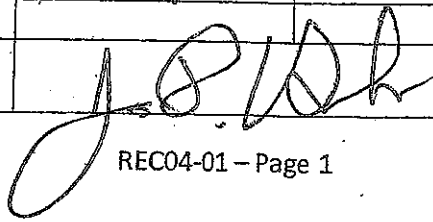
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/29/14
Receiving ID#	I08291401
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	EGT
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	R.H.

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	2.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.03	TDS	1.7 %
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	75°F		
Conductivity	33.4 mS		
% Solids	1.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

**WASTE STREAMS
CHARACTERIZATIONS**