Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD
NOV 22 2016
RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-025-42207

5. Indicate Type of Lease
STATE ☐ FEE ☒ ~~FED~~ FEDX

6. State Oil & Gas Lease No.
NM 0149956

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
~~N/A~~ ZIA AGI D

1. Type of Well: Oil Well ☐ Gas Well ☐ Other: ☒ **Acid Gas Injection**

8. Well Number
~~0~~ 2

2. Name of Operator
DCP MIDSTREAM LP

9. OGRID Number
~~025575~~ 36785

3. Address of Operator
370 17TH STREET, SUITE 2500, DENVER, CO 80202

10. Pool name or Wildcat
DEVONIAN EXPL.

4. Well Location
Unit Letter L : 1893 feet from the South line and 950 feet from the West line
Section 19 Township 19S Range 32E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3548 ft. Ground Level

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☒		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

First (upper) intermediate casing was run on Wednesday, November 9, 2016 in a 17.5-inch borehole drilled to a depth of 2,555 ft. The casing was seated in the Yates formation at the total depth of the wellbore in a competent formation that provides a solid and stable casing seat. The casing was installed after running a Schlumberger Borehole Profile Log to evaluate the borehole condition and calculate cement volumes. The gamma ray log and rate of penetration (ROP) drilling logs are attached, including the correlation log between Zia AGI #1 and Zia AGI D #2 used for formation top picks.

The Zia AGI #D2 first intermediate casing is constructed with 6 joints of 13 3/8-inch, 68 lbs/ft, J55, BTC pipe and 51 joints of 13 3/8-inch, 6 lbs/ft, J55, BTC pipe extended from the surface to 2,555 ft. A schematic of the Zia AGI D #2 well design and the as-built casing tally for the first intermediate pipe is attached. The first intermediate casing for the Zia AGI D #2 was cemented in one stage with 1920 sacks (584 bbls) of HalCem Class C cement with a lead yield of 1.732 ft^3/sack and a tail yield of 1.332 ft^3/sack. 428 sacks (130 bbls) were returned to the surface (photographs attached) and witnessed by a BLM representative (see attached cement report from Halliburton). No fall back of cement was observed. Wait on cement (WOC) time was 28 hours from plug down, at 18:28 on Wednesday, until pressure testing of the BOP/BOPE, at 22:50 on Thursday (see attached Halliburton Lab Results).

A Cement Bond Log (CBL) was run on the first intermediate casing that indicated a good bond from 400 ft. to 2555 ft. The BOP/BOPE was successfully tested at low pressures of 250 psi and high pressures of 2000 psi. The 1st intermediate casing was pressure tested at 1000 psi for 30 minutes resulting in a successful casing integrity test (see attached BOPE/BOP Pressure and Casing Integrity Test Charts). The casing shoe was drilled out and drilling has continued below the 1st intermediate casing in a 17 ¼-inch hole.

All geophysical logs will be provided when continuous copies are available. See attached table for a chronological list of notifications that were made to the BLM during the drilling and completion of this segment.

Spud Date: November 2, 2016 Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Michael W Selke TITLE CONSULTANT TO DCP MIDSTREM LP DATE 11/17/2016

Type or print name Michael W Selke E-mail address: MSELKE@GEOLEX.COM PHONE: 505-842-8000

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Accepted for Record Only

SUBJECT TO LIKE APPROVAL BY BLM

11/22/2016

Gamma Ray, Rate of Penetration, and Correlation Logs

Integrity Directional Services

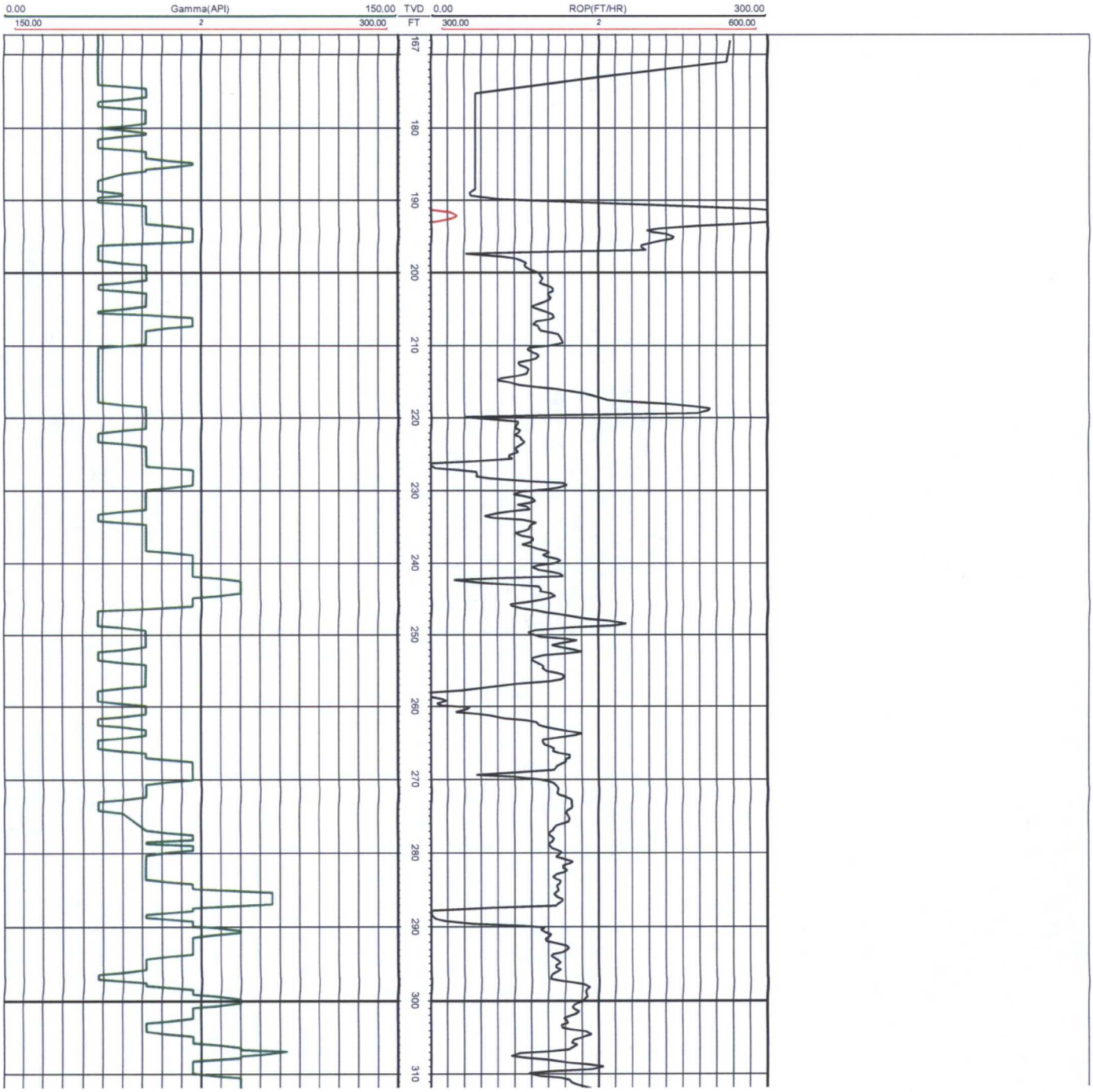
1514 S. County Road 1309
Midland, TX 79707

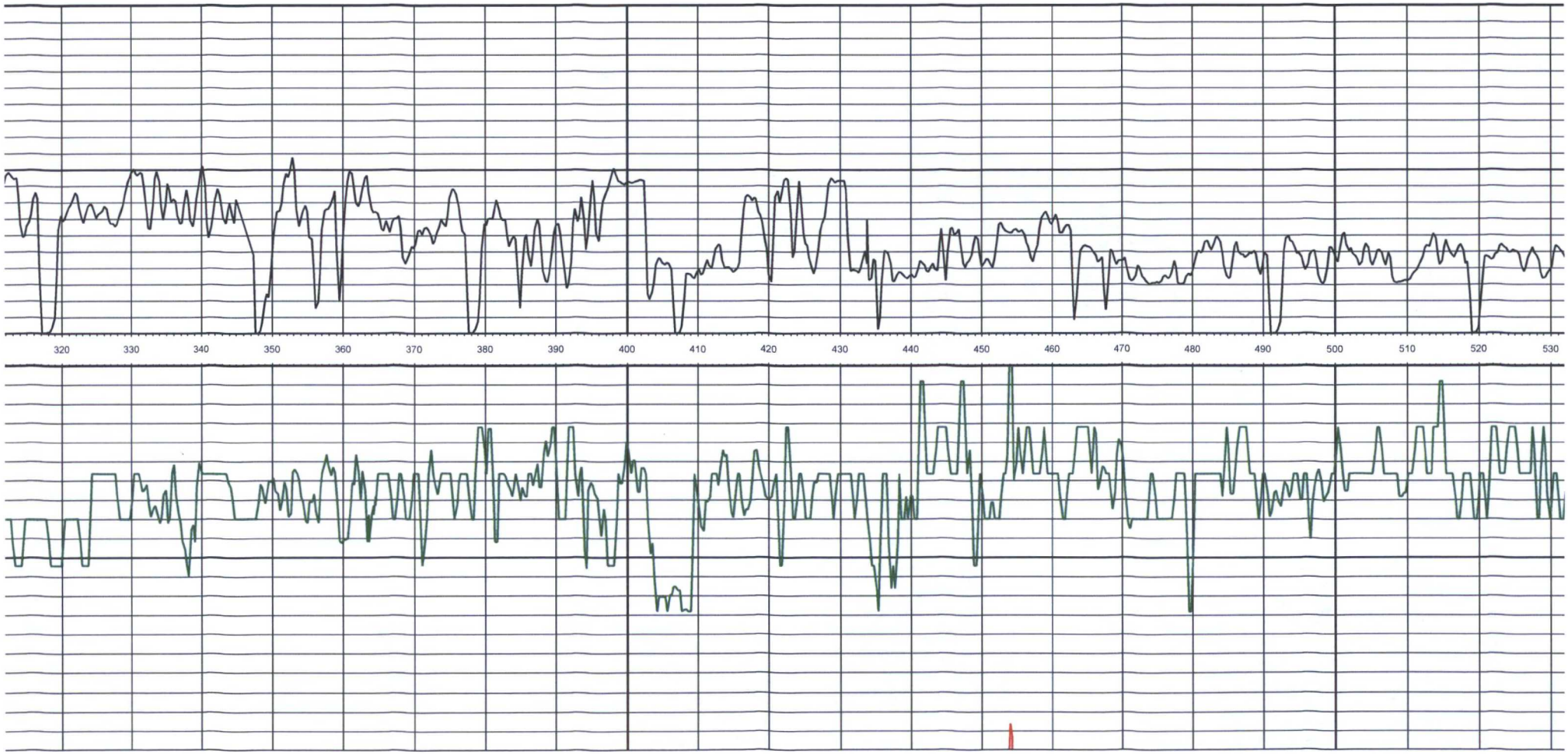
ZIA AGI #D2

Scale 5":100' - TVD

11/8/2016 4:15 PM

Oper. Company:	COG	**State:**	NM
Well:	ZIA AGI #D2	**County:**	LEA
Field:	Permian	**Country:**	USA
Rig:	Scandrill Freedom	**Location:**	48 miles West of Hobbs, NM.
Well ID:	30-025-42207	**Start Date:**	11/02/2016 05:00:00
Job Number:	NM-16-124-CG	**End Date:**	

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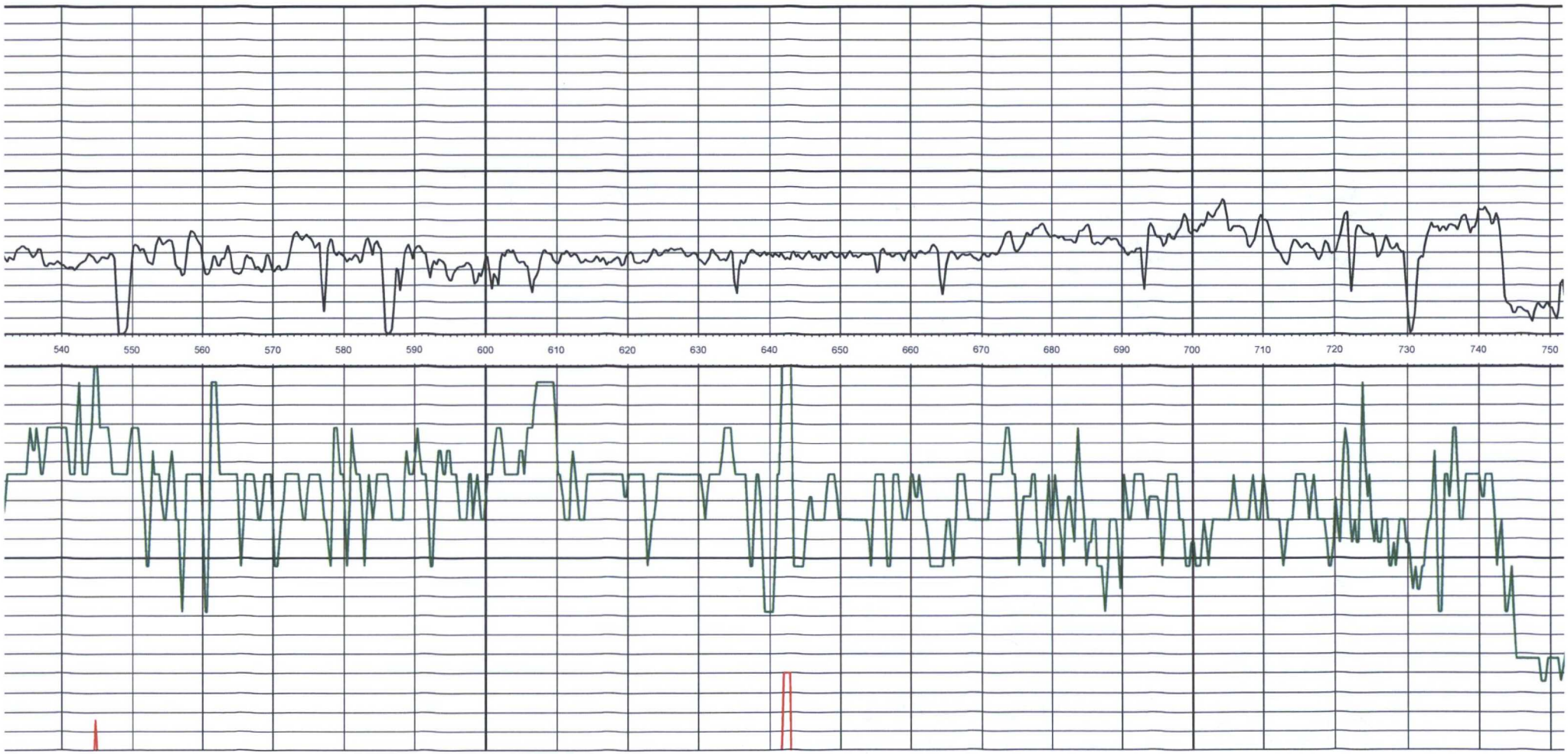
530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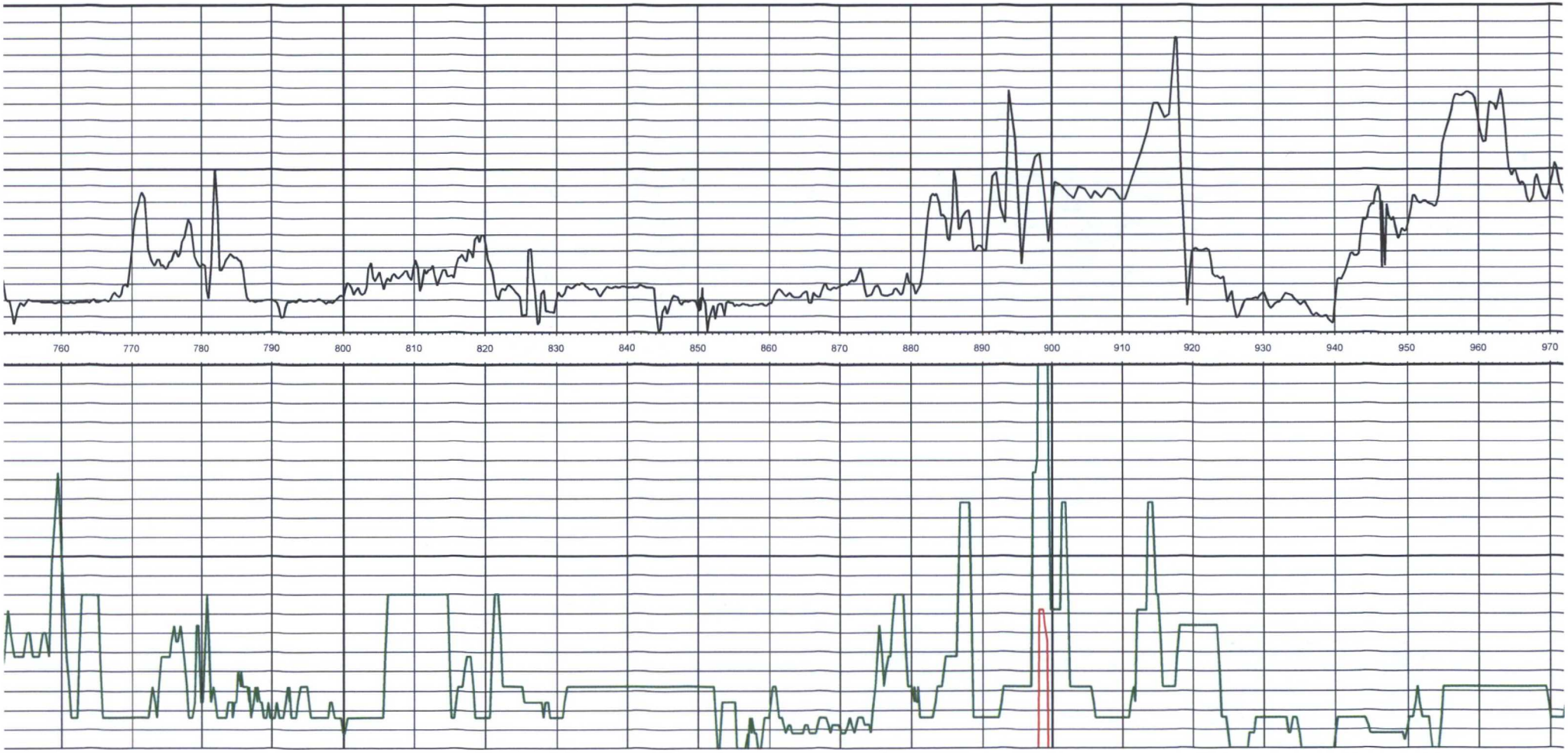
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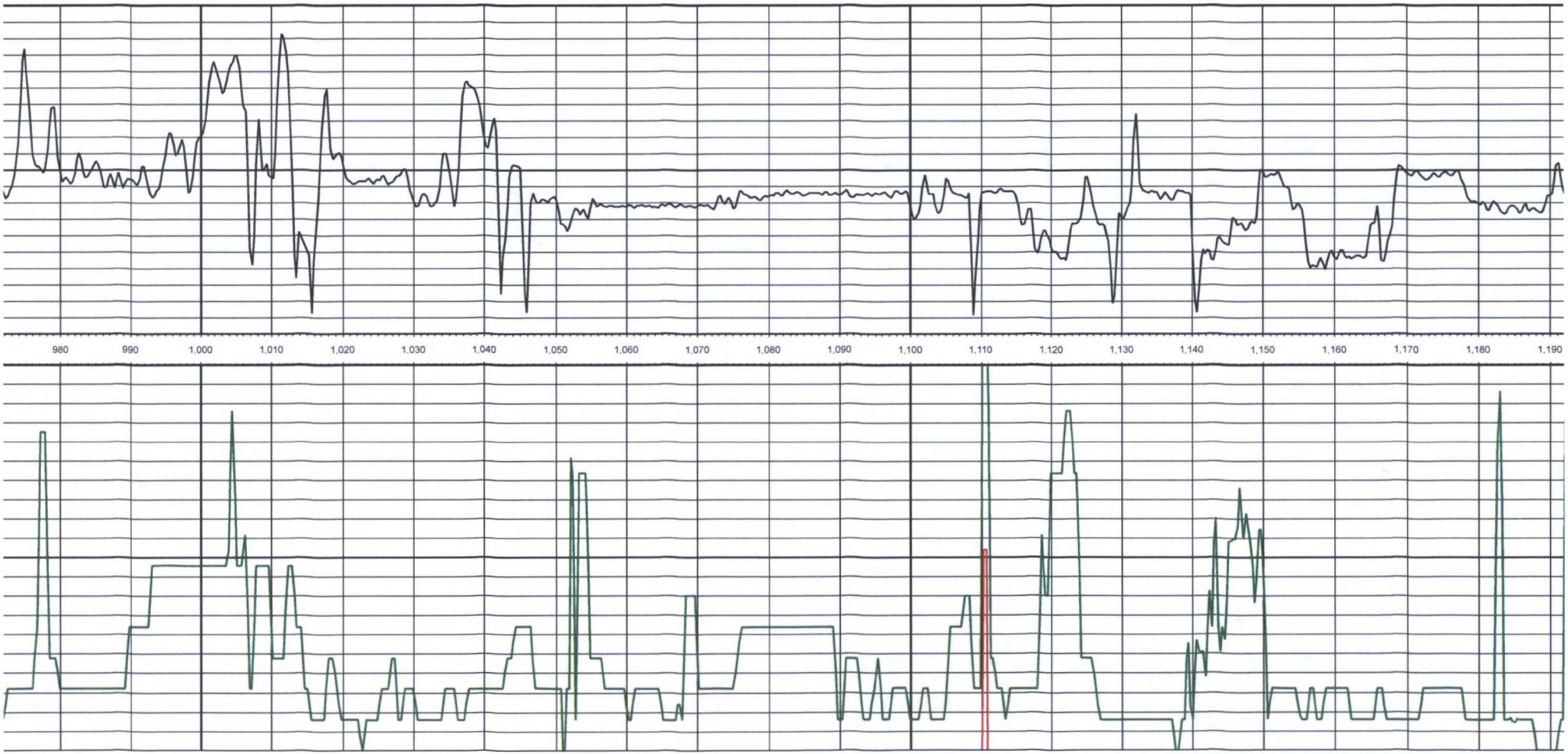
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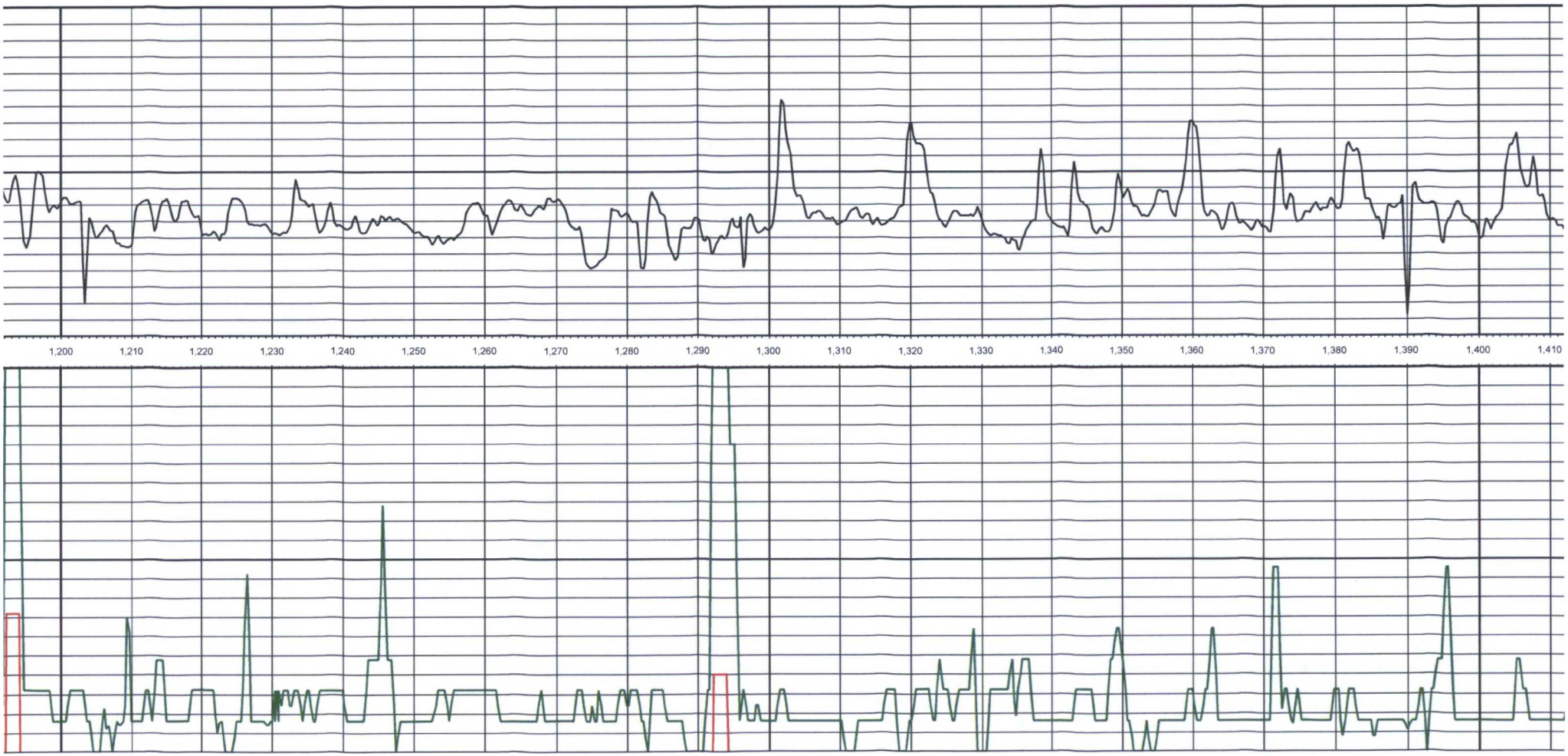
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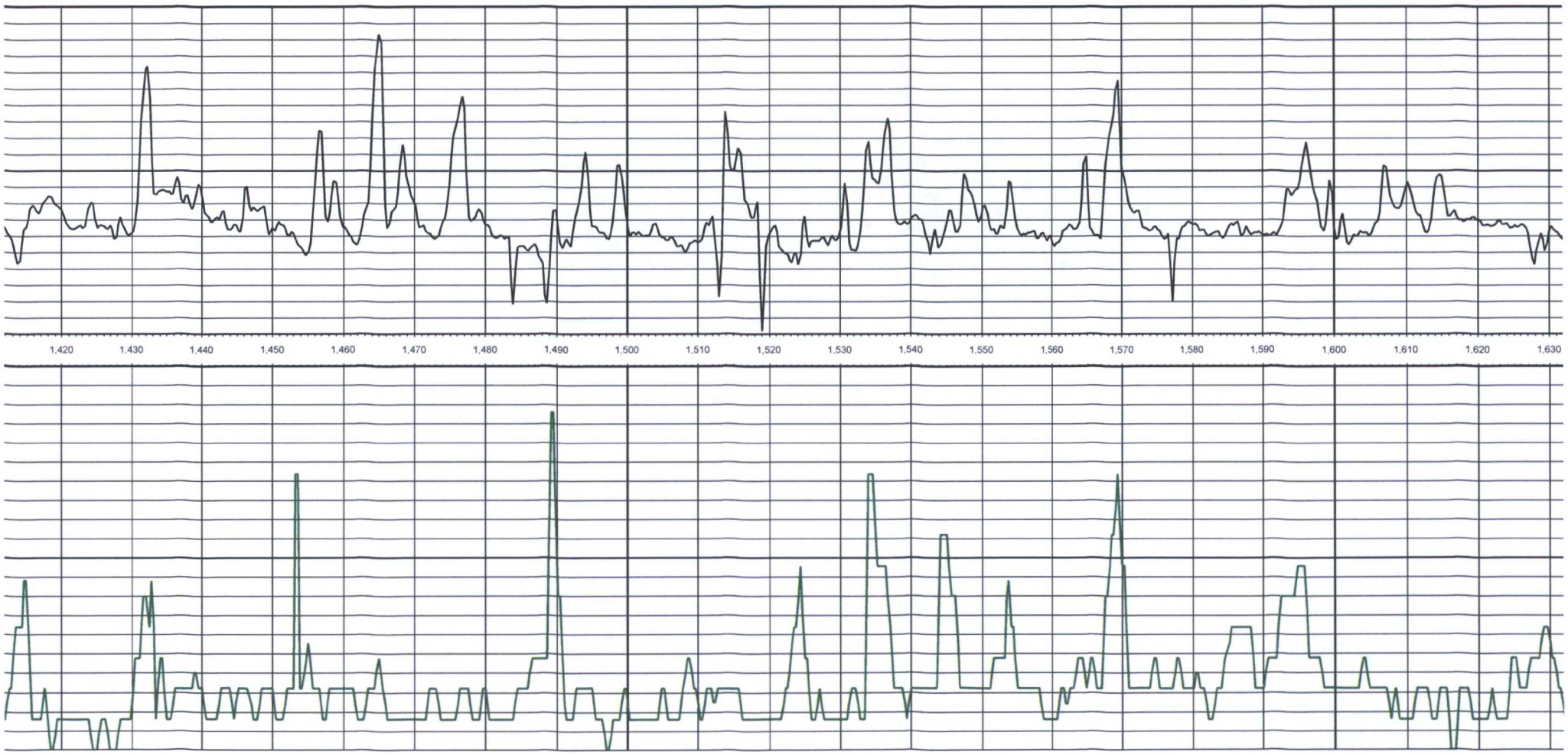
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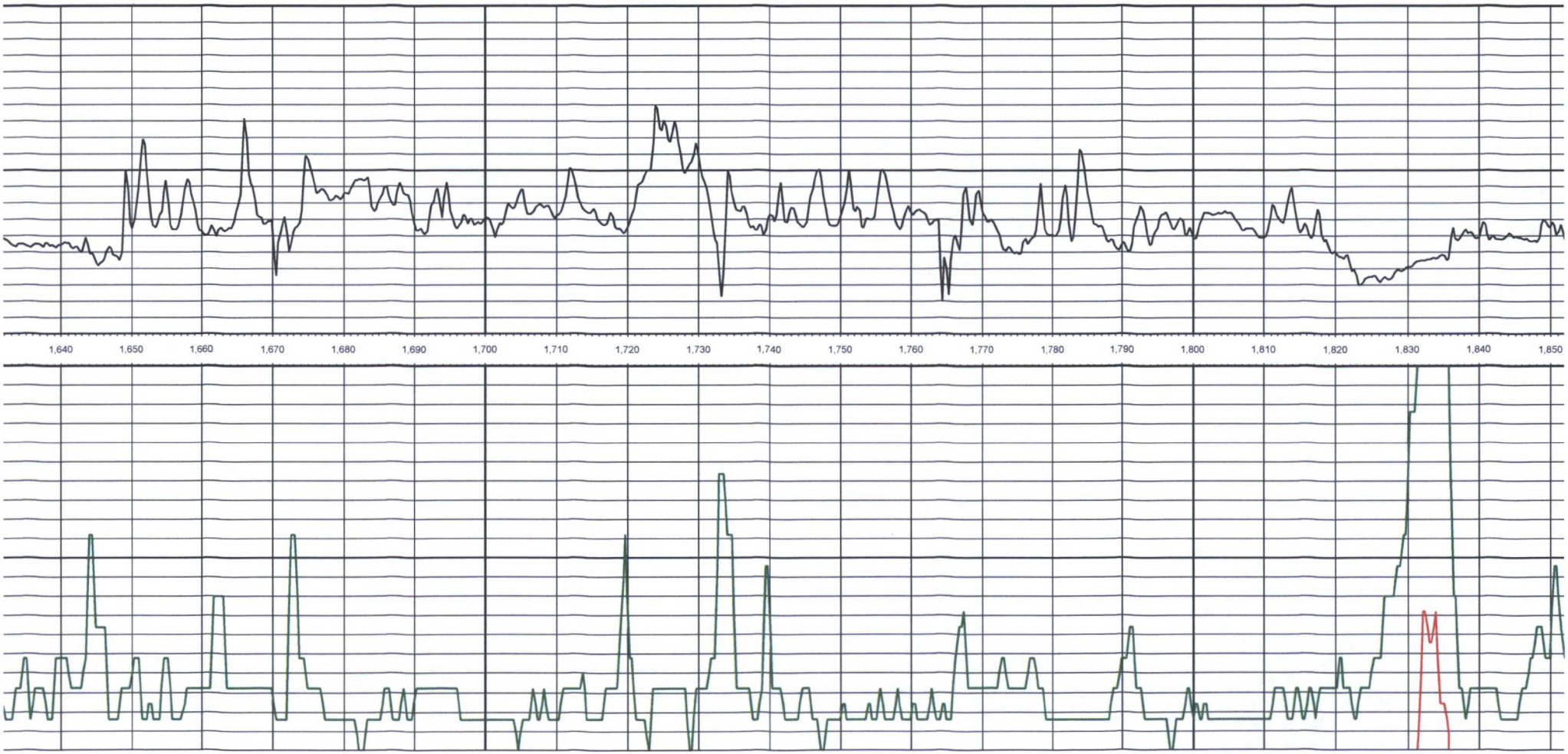
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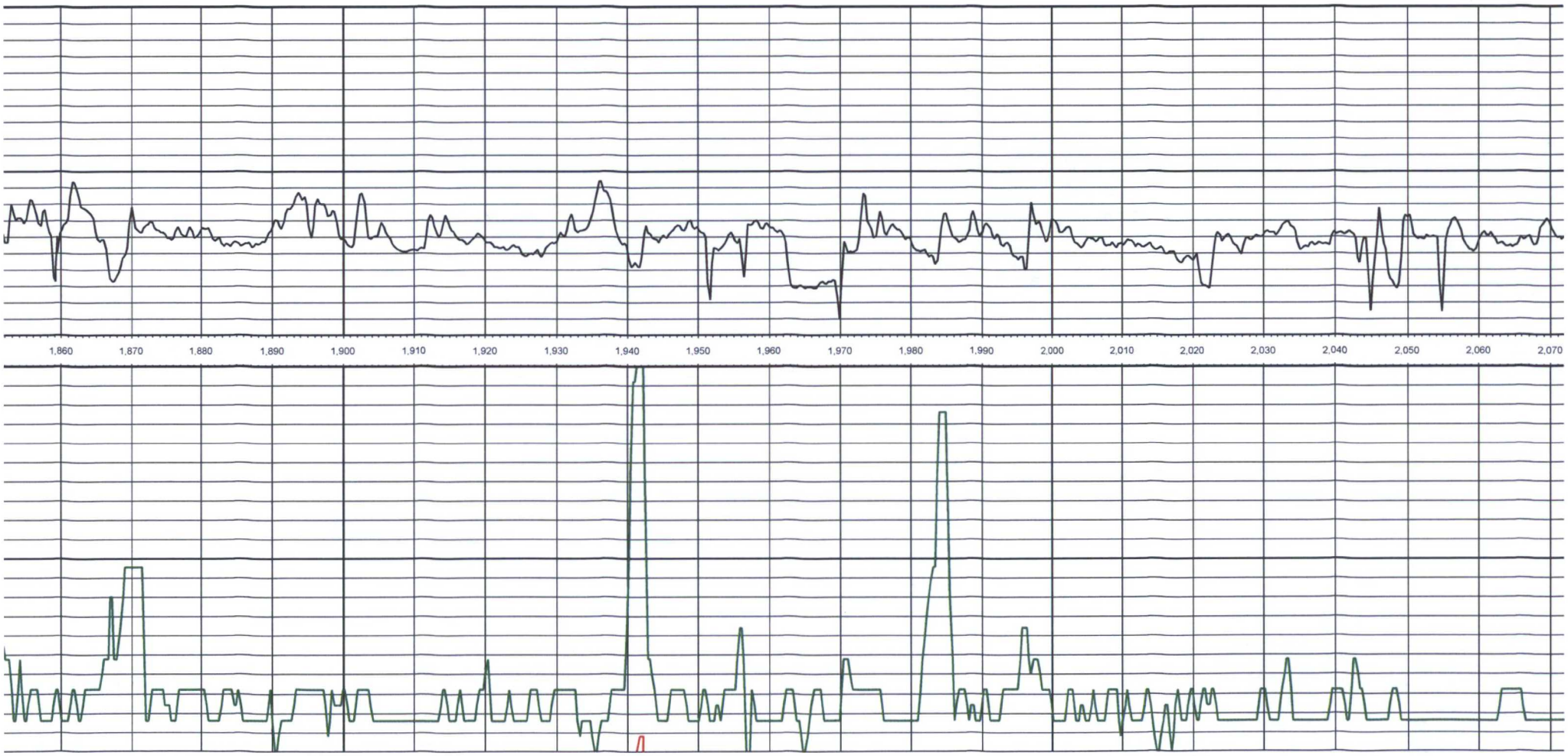
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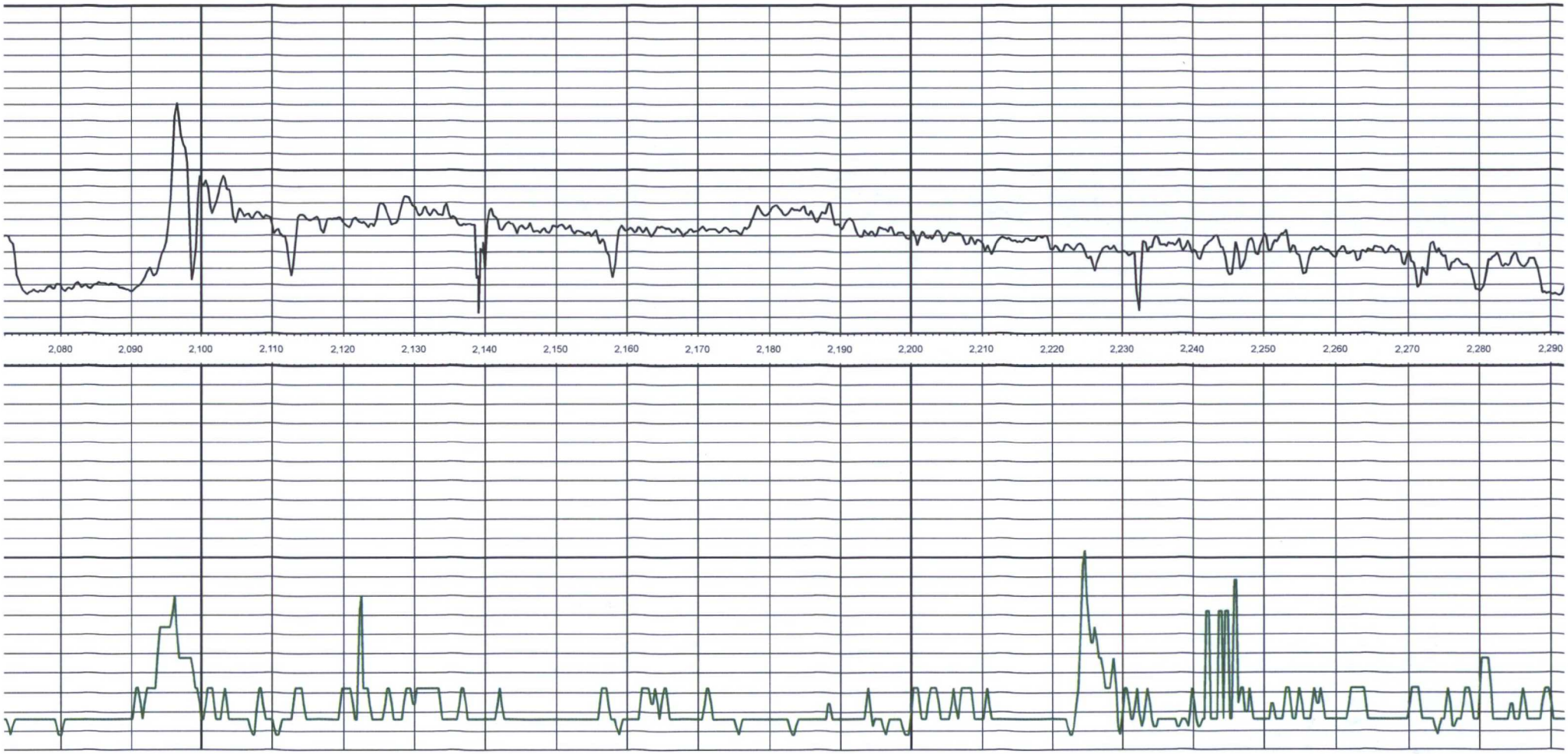
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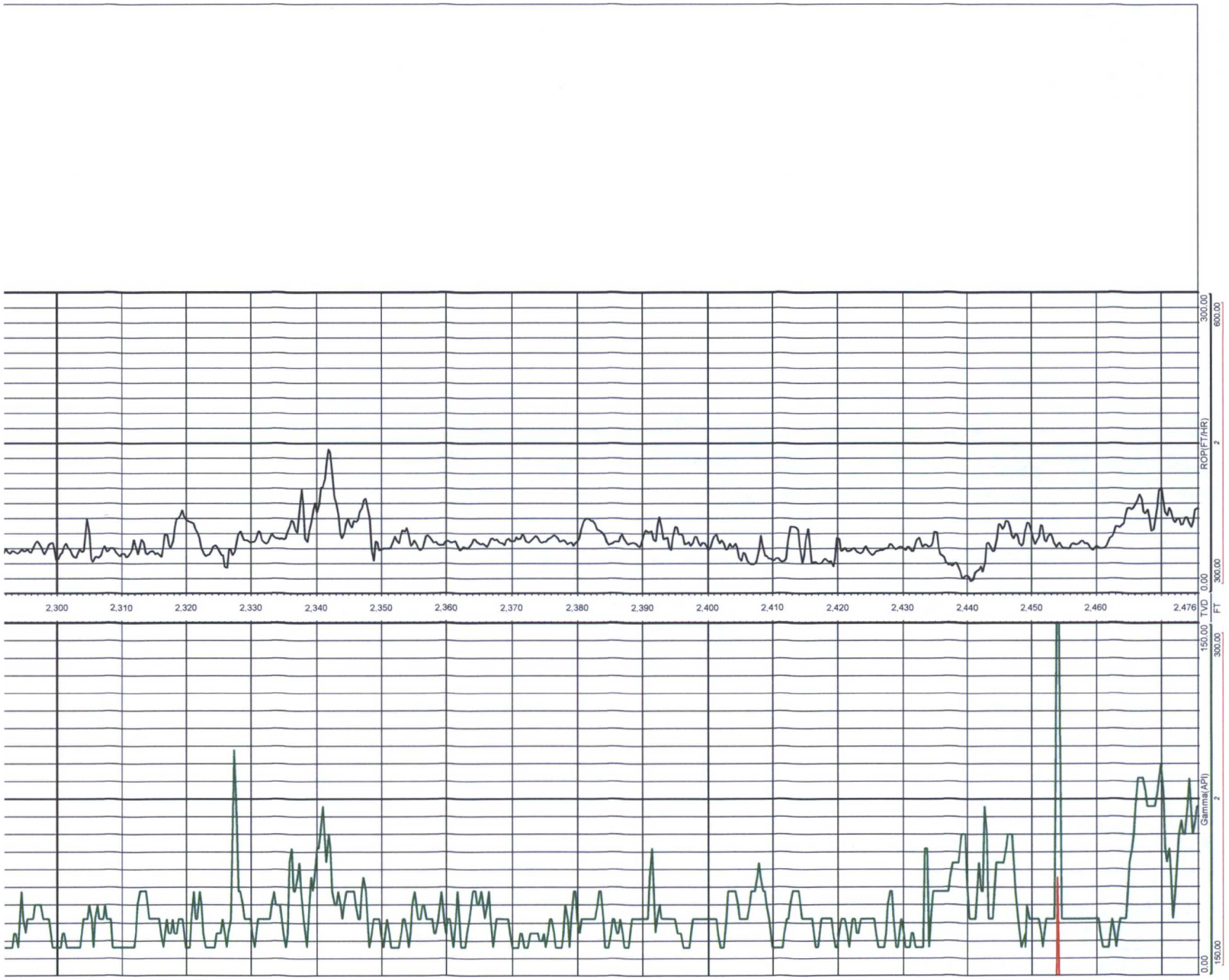
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Gamma(API)
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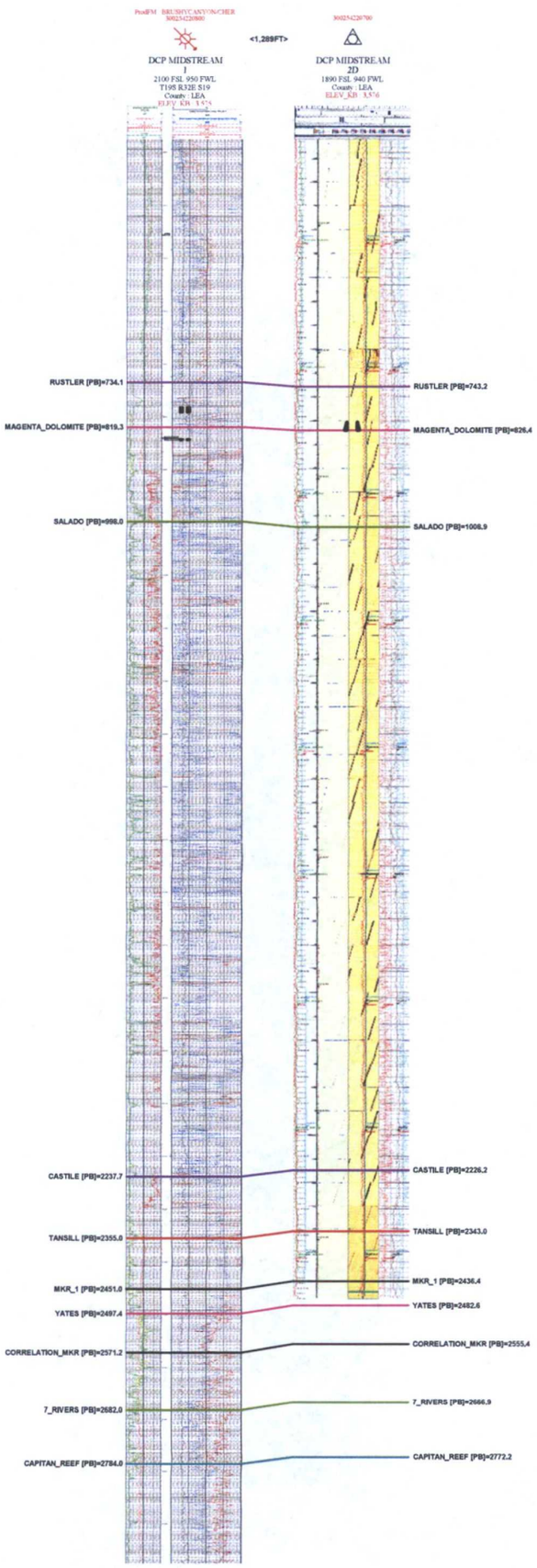
150.00



LOUIS J. MAZZULLO, LLC
GEOLEX, INC.: DCP ZIA AGI #2D
Sec. 19, Twp. 19S-32E, Lea Co., NM
STRUCTURE SECTION TIE
AGI #1 (LEFT) TO AGI #2D (RIGHT)
UPDATE 11/11/16 @0800 MT
By: Louis J. Mazzullo, CPG- Morrison, CO
November 11,2016 8:03 AM

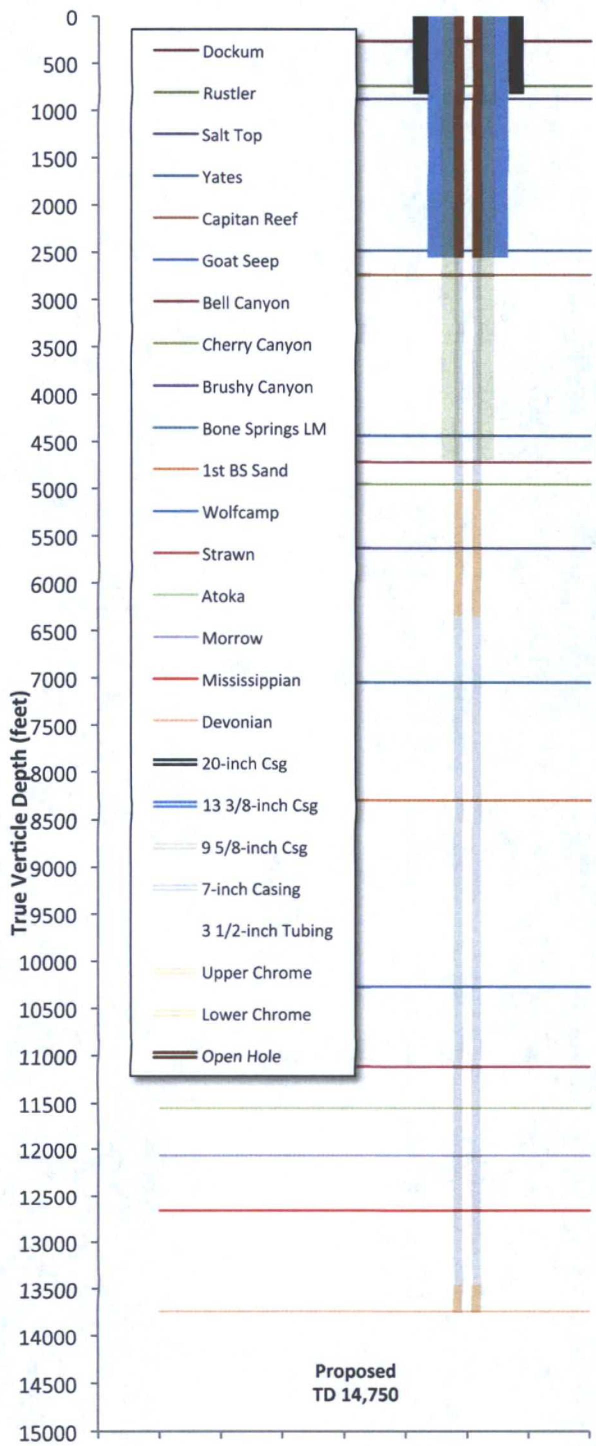
PETRA 11/11/2016 8:03:07 AM (118716 Zia 2 correlation section.CSP)

Schematic of Zia AGI #D2 Well Design

Well Name: DCP AGI #D2 (API: 30-025-42207)

Surface Location: Section 19(L), T19S-R32E, (1893' FSL & 950' FWL)
Lea County, New Mexico

GEOLEX
INCORPORATED



CONDUCTOR PIPE (30-in) to 120 ft

SURFACE CASING:
20", 106.5 lb/ft, J55, BTC at 826 ft in 26-in hole, cement to surface

1st INTERMEDIATE CASING:
13 3/8-inch, 61 lb/ft, J55, BTC at 2,555 ft in 17.5-in hole, cement to surface

2nd INTERMEDIATE CASING:

PRODUCTION CASING:

dcp Midstream	DCP Midstream Zia AGI #D2	1st Intermediate
	Wellbore Completion Schematic	**To 11/10/2016**

First Intermediate Casing Tally

CONCHO

Casing Tally

Well Name: ZIA AGI #2D

Intermediate, Set Depth: 2,555.5ftKB

Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jwlry	Connections	Top (ftKB)	Cum Len (ft)
1		Float Shoe				Yes	1.20	No		Buttress Thread	2,554.3	1.20
2	1	Casing Joints	13 3/8	68.00	J-55	Yes	43.00	Yes		Buttress Thread	2,511.3	44.20
3		Float Collar	13 3/8	68.00	J-55	Yes	1.76	No		Buttress Thread	2,509.5	45.96
4	2	Casing Joints	13 3/8	68.00	J-55	Yes	43.03	Yes		Buttress Thread	2,466.5	88.99
5	3	Casing Joints	13 3/8	68.00	J-55	Yes	43.03	Yes		Buttress Thread	2,423.5	132.02
6	4	Casing Joints	13 3/8	68.00	J-55	Yes	42.78	No		Buttress Thread	2,380.7	174.80
7	5	Casing Joints	13 3/8	68.00	J-55	Yes	43.04	No		Buttress Thread	2,337.7	217.84
8	6	Casing Joints	13 3/8	68.00	J-55	Yes	43.03	Yes		Buttress Thread	2,294.6	260.87
9	7	Casing Joints	13 3/8	61.00	J-55	Yes	44.85	No		Buttress Thread	2,249.8	305.72
10	8	Casing Joints	13 3/8	61.00	J-55	Yes	44.76	No		Buttress Thread	2,205.0	350.48
11	9	Casing Joints	13 3/8	61.00	J-55	Yes	45.19	Yes		Buttress Thread	2,159.8	395.67
12	10	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	2,114.7	440.83
13	11	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	2,069.5	485.99
14	12	Casing Joints	13 3/8	61.00	J-55	Yes	44.77	Yes		Buttress Thread	2,024.7	530.76
15	13	Casing Joints	13 3/8	61.00	J-55	Yes	44.80	No		Buttress Thread	1,979.9	575.56
16	14	Casing Joints	13 3/8	61.00	J-55	Yes	45.11	No		Buttress Thread	1,934.8	620.67
17	15	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	Yes		Buttress Thread	1,889.7	665.82
18	16	Casing Joints	13 3/8	61.00	J-55	Yes	45.13	No		Buttress Thread	1,844.6	710.95
19	17	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	1,799.4	756.10
20	18	Casing Joints	13 3/8	61.00	J-55	Yes	44.46	Yes		Buttress Thread	1,754.9	800.56
21	19	Casing Joints	13 3/8	61.00	J-55	Yes	44.82	No		Buttress Thread	1,710.1	845.38
22	20	Casing Joints	13 3/8	61.00	J-55	Yes	44.45	No		Buttress Thread	1,665.7	889.83
23	21	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	Yes		Buttress Thread	1,620.5	934.99
24	22	Casing Joints	13 3/8	61.00	J-55	Yes	45.13	No		Buttress Thread	1,575.4	980.12
25	23	Casing Joints	13 3/8	61.00	J-55	Yes	45.13	No		Buttress Thread	1,530.3	1,025.25
26	24	Casing Joints	13 3/8	61.00	J-55	Yes	45.14	Yes		Buttress Thread	1,485.1	1,070.39
27	25	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	1,440.0	1,115.54
28	26	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	1,394.8	1,160.69
29	27	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	Yes		Buttress Thread	1,349.7	1,205.85
30	28	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	1,304.5	1,251.00
31	29	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	1,259.3	1,296.16
32	30	Casing Joints	13 3/8	61.00	J-55	Yes	45.17	Yes		Buttress Thread	1,214.2	1,341.33
33	31	Casing Joints	13 3/8	61.00	J-55	Yes	45.18	No		Buttress Thread	1,169.0	1,386.51
34	32	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	1,123.8	1,431.66
35	33	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	Yes		Buttress Thread	1,078.7	1,476.82
36	34	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	1,033.5	1,521.98
37	35	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	988.4	1,567.14
38	36	Casing Joints	13 3/8	61.00	J-55	Yes	45.13	Yes		Buttress Thread	943.2	1,612.27
39	37	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	898.1	1,657.43
40	38	Casing Joints	13 3/8	61.00	J-55	Yes	45.18	No		Buttress Thread	852.9	1,702.61
41	39	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	Yes		Buttress Thread	807.7	1,747.76
42	40	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	762.6	1,792.92
43	41	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	717.4	1,838.08
44	42	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	Yes		Buttress Thread	672.3	1,883.23

CONCHO

Casing Tally

Well Name: ZIA AGI #2D

Intermediate, Set Depth: 2,555.5ftKB

Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jwlry	Connections	Top (ftKB)	Cum Len (ft)
45	43	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	627.1	1,928.38
46	44	Casing Joints	13 3/8	61.00	J-55	Yes	45.18	No		Buttress Thread	581.9	1,973.56
47	45	Casing Joints	13 3/8	61.00	J-55	Yes	45.17	Yes		Buttress Thread	536.8	2,018.73
48	46	Casing Joints	13 3/8	61.00	J-55	Yes	45.13	No		Buttress Thread	491.6	2,063.86
49	47	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	446.5	2,109.01
50	48	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	Yes		Buttress Thread	401.3	2,154.17
51	49	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	356.2	2,199.33
52	50	Casing Joints	13 3/8	61.00	J-55	Yes	44.11	No		Buttress Thread	312.1	2,243.44
53	51	Casing Joints	13 3/8	61.00	J-55	Yes	45.17	Yes		Buttress Thread	266.9	2,288.61
54	52	Casing Joints	13 3/8	61.00	J-55	Yes	45.14	No		Buttress Thread	221.7	2,333.75
55	53	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	No		Buttress Thread	176.6	2,378.90
56	54	Casing Joints	13 3/8	61.00	J-55	Yes	45.15	Yes		Buttress Thread	131.4	2,424.05
57	54	Casing Joints	13 3/8	61.00	J-55	Yes	45.17	No		Buttress Thread	86.3	2,469.22
58	56	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	No		Buttress Thread	41.1	2,514.38
59	57	Casing Joints	13 3/8	61.00	J-55	Yes	45.16	Yes		Buttress Thread	-4.0	2,559.54
	58	Casing Joints	13 3/8	61.00	J-55	No	45.14	No		Buttress Thread		
	59	Casing Joints	13 3/8	61.00	J-55	No	45.15	No		Buttress Thread		
	60	Casing Joints	13 3/8	61.00	J-55	No	45.16	No		Buttress Thread		
	61	Casing Joints	13 3/8	61.00	J-55	No	45.14	No		Buttress Thread		
	62	Casing Joints	13 3/8	61.00	J-55	No	45.15	No		Buttress Thread		
	63	Casing Joints	13 3/8	61.00	J-55	No	45.16	No		Buttress Thread		

Halliburton Laboratory Results

HALLIBURTON

Permian Basin, Odessa

Lab Results- Lead

Job Information

Request/Slurry	2330054/1	**Rig Name**	Sandrill Freedom	**Date**	25/OCT/2016
Submitted By	Dillon Briers	**Job Type**	1st Intermediate Casing	**Bulk Plant**	
Customer	DCP Midstream	**Location**	Lea	**Well**	Zia AGI 2

Well Information

Casing/Liner Size	13.375 in	**Depth MD**	2600 ft	**BHST**	100°F
Hole Size	17.5 in	**Depth TVD**	2600 ft	**BHCT**	88°F

Cement Information - Lead Design

Conc	UOM	Cement/Additive
100	% BWOC	Cemex Premium Plus C
9.15	gal/sack	Fresh Water
4	% BWOC	Bentonite Wyoming - PB

Cement Properties

Slurry Density	13.5	lbm/gal
Slurry Yield	1.72	ft3/sack
Water Requirement	9.15	gal/sack

Pilot Test Results Request ID 2330054/1

Thickening Time - ON-OFF-ON

Test Temp (°F)	Pressure (psi)	Batch Mix (min)	Reached in (min)	70 Bc (hh:min)	Start Bc
85	1200	0	9	5:07	19

API Rheology

Temp (°F)	300	200	100	60	30	6	3	PV/YP
80	62	60	59	58	56	30	26	27.8 / 43.36

Free Fluid API 10B-2

Con. Temp (F)	Cond. Time (min)	Static T. (F)	Static time (min)	Incl. (deg)	% Fluid
85	30	80	120	0	0.7

UCA Comp. Strength

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	8hr CS (psi)	12 hr CS (psi)	24 hr CS (psi)	48 hr CS (psi)	End CS (psi)	End Time (hrs)
80	4000	5:48	14:10	150	379	940	1310	1503	72

API Rheology

Temp (°F)	300	200	100	60	30	6	3	PV/YP
86	81	78	71	68	63	29	25	47.34 / 46.15

HALLIBURTON

Permian Basin, Odessa

Lab Results- Tail

Job Information

Request/Slurry	2346007/1	**Rig Name**	Sandrill Freedom	**Date**	25/OCT/2016
Submitted By	Dillon Briers	**Job Type**	1st Intermediate Casing	**Bulk Plant**	
Customer	DCP Midstream	**Location**	Lea	**Well**	Zia AGI 2

Well Information

Casing/Liner Size	13.375 in	**Depth MD**	2600 ft	**BHST**	100°F
Hole Size	17.5 in	**Depth TVD**	2600 ft	**BHCT**	88°F

Cement Information - Tail Design

Conc	UOM	Cement/Additive
100	% BWOC	Cemex Premium Plus C
6.42	gal/sack	Fresh Water

Cement Properties

Slurry Density	14.8	lbm/gal
Slurry Yield	1.33	ft3/sack
Water Requirement	6.42	gal/sack

Pilot Test Results Request ID 2346007/1

Thickening Time

Temp (°F)	Pressure (psi)	Reached in (min)	Start BC	70 Bc (hh:mm)
85	1100	17	12	3:33

Free Fluid API 10B-2

Con. Temp (F)	Heat Time (min)	Cond. Time (min)	Static time (min)	Incl. (deg)	% Fluid
85	30	30	120	0	0.8

API Rheology

Temp (°F)	300	200	100	60	30	6	3	Cond Time (min)	Conditioning Temp (°F)	PV/YP
85	68	61	51	44	38	21	14	30	85	48.15 / 27.91

UCA Comp. Strength – 2322639/1

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	8hr CS (psi)	12 hr CS (psi)	24 hr CS (psi)	48 hr CS (psi)	End CS (psi)	End Time (hrs)
80	4000	4:56	11:31	232	533	1090	1650	1912	72.38

Halliburton Cement Report

BLM

HALLIBURTON

DCP MIDSTREAM LP

ZIA AGI, #2

HOBBS, NM

INTERMEDIATE CASING

JOB SITE DOCUMENTS

HALLIBURTON

iCem® Service

Customer:

DCP MIDSTREAM LP

Date:

11/9/2016

Job Type:

INTERMEDIATE CASING

Supervisor :

Jay Guerra

Warning Disclaimer

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Date is Incorrect, Should be 11/9/2016

Type	Seq. No.	Graph Label	Date	Time	DH (PPG)	Density	Pump Rate (BBL/MIN)	Pump Pressure (PSI)	Comments
Event		Call Out (Previous Location)	11/8/2016	1:36					JOB TIME @ 08:00 CST
Event		Pre-Convoy Safety Meeting	11/8/2016	3:40					
Event		Crew Leave (Previous Location)	11/8/2016	4:00					
Event		Arrive At Loc	11/8/2016	6:21					RUNNING CASING
Event		Assessment Of Location Safety Meeting	11/8/2016	6:40					
Event		Pre-Rig Up Safety Meeting	11/8/2016	11:50					
Event		Rig-Up Equipment	11/8/2016	12:10					
Event		Rig-Up Completed	11/8/2016	13:40					
Event		Pre-Job Saftey Meeting	11/8/2016	15:00					
Event	1	Start Job	11/8/2016	15:40					
Event	2	Test Lines	11/8/2016	15:57					TEST LINES TO 3000 PSI
Event	3	Pump Spacer 1	11/8/2016	16:01	8.34		4	64	PUMPED 20 BBLS OF GEL WITH RED DYE
Event	4	Pumped Lead Cement	11/8/2016	16:09	13.56		6.5	384	PUMPED 1700 SKS OF HALCEM WITH 4% BENTONITE, .4% HR-800 @ 13.5 PPG
Event	5	Pumped Lead Cement	11/8/2016	17:50	14.85		4	220	PUMPED 250 SKS OF HALCEM @ 14.8 PPG
Event	6	Shutdown	11/8/2016	18:10					
Event	7	Drop Plug	11/8/2016	18:14					DROPED 13 3/8 PLUG (HALLIBURTON)
Event	8	Pump Displacment	11/8/2016	18:17	8.34		6	180	PUMPED 382 BBLS OF FRESH WATER FOR DISPLACEMENT
Event	9	Land Plug	11/8/2016	19:28				1317	LANDED @ 870 PSI PRESSURED UP TO 1317 PSI

Event	10	Check Floats	11/8/2016	19:33	CHECKED FLOATS HELD GOT BACK 2 BBL TO THE PUMP
Event	11	End Job	11/8/2016	19:45	CIRCULATED 130 BBLS / 428 SKS TO SURFACE
Event		Post-Job Safety Meeting (Pre Rig-Down)	11/8/2016	20:00	
Event		Rig-Down Equipment	11/8/2016	20:15	
Event		Rig-Down Completed	11/8/2016	21:30	
Event		Pre-Convoy Safety Meeting	11/8/2016	22:00	
Event		Crew Leave Location	11/8/2016	22:30	

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 301910	**Ship To #:** 3571531	**Quote #:** 0022236178	**Sales Order #:** 0903628084
Customer: DCP MIDSTREAM LP - EBUS -		**Customer Rep:** TODD HINTON	
Well Name: ZIA AGI	**Well #:** 2		**API/UWI #:** 30-025-42207-00
Field: AGI	**City (SAP):** HOBBS	**County/Parish:** LEA	**State:** NEW MEXICO
Legal Description: 19-19S-32E-1900FSL-950FWL			
Contractor: SCANDRILL INC		**Rig/Platform Name/Num:** SCAN FREEDOM	
Job BOM: 7522			
Well Type: INJECTION			
Sales Person: HALAMERICA\HB79759		**Srvc Supervisor:** Jay Guerra	

Job

Formation Name				
Formation Depth (MD)	**Top**		**Bottom**	
Form Type			**BHST**	
Job depth MD	2600ft		**Job Depth TVD**	
Water Depth			**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**		**To**	

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		20	19.124	94	BTC	J-55	0	800		
Casing		13.375	12.515	61	BTC	J-55	0	2600		
Open Hole Section			17.5				800	2600		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	13.375			2600		**Top Plug**	13.375		HES
Float Shoe	13.375					**Bottom Plug**	13.375		HES
Float Collar	13.375					**SSR plug set**	13.375		HES
Insert Float	13.375					***Plug Container***	13.375		HES
Stage Tool	13.375					**Centralizers**	13.375		HES

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Gel Spacer	Gel Spacer	20	bbl	8.4				
0.10 lbm/bbl		RHODAMINE RED LIQUID DYE # 2 (101201084)							
2.50 lbm/bbl		CHEM,FDP-S1050-12, BULK BAG (102175420)							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal

2	HalCem™ C	HALCEM (TM) SYSTEM	1700	sack	13.5	1.732		5	9.22
4 %		BENTONITE, BULK (100003682)							
0.40 %		HR-800, 50 LB SACK (101619742)							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	HalCem™ C	HALCEM (TM) SYSTEM	250	sack	14.8	1.332		5	6.42

Cement Left In Pipe	**Amount**	40 ft	**Reason**		Shoe Joint
Mix Water:	pH ##	**Mix Water Chloride:**	## ppm	**Mix Water Temperature:**	## °F °C
Cement Temperature:	## °F °C	**Plug Displaced by:**	## lb/gal kg/m3 XXXX	**Disp. Temperature:**	## °F °C
Plug Bumped?	Yes/No	**Bump Pressure:**	#### psi MPa	**Floats Held?**	Yes/No
Cement Returns:	## bbl m3	**Returns Density:**	## lb/gal kg/m3	**Returns Temperature:**	## °F °C
Comment					

Photographs of Cement Returns

Tail Cement Returns

BOP/BOPE Pressure and Casing Integrity Test Charts

BATTLE
Energy Services

Test Chart Calibration

Date: 10-13-16

Calibrator: Neil Granath

Signature: 

Battle Recorder Number: 4

Model: TechCal

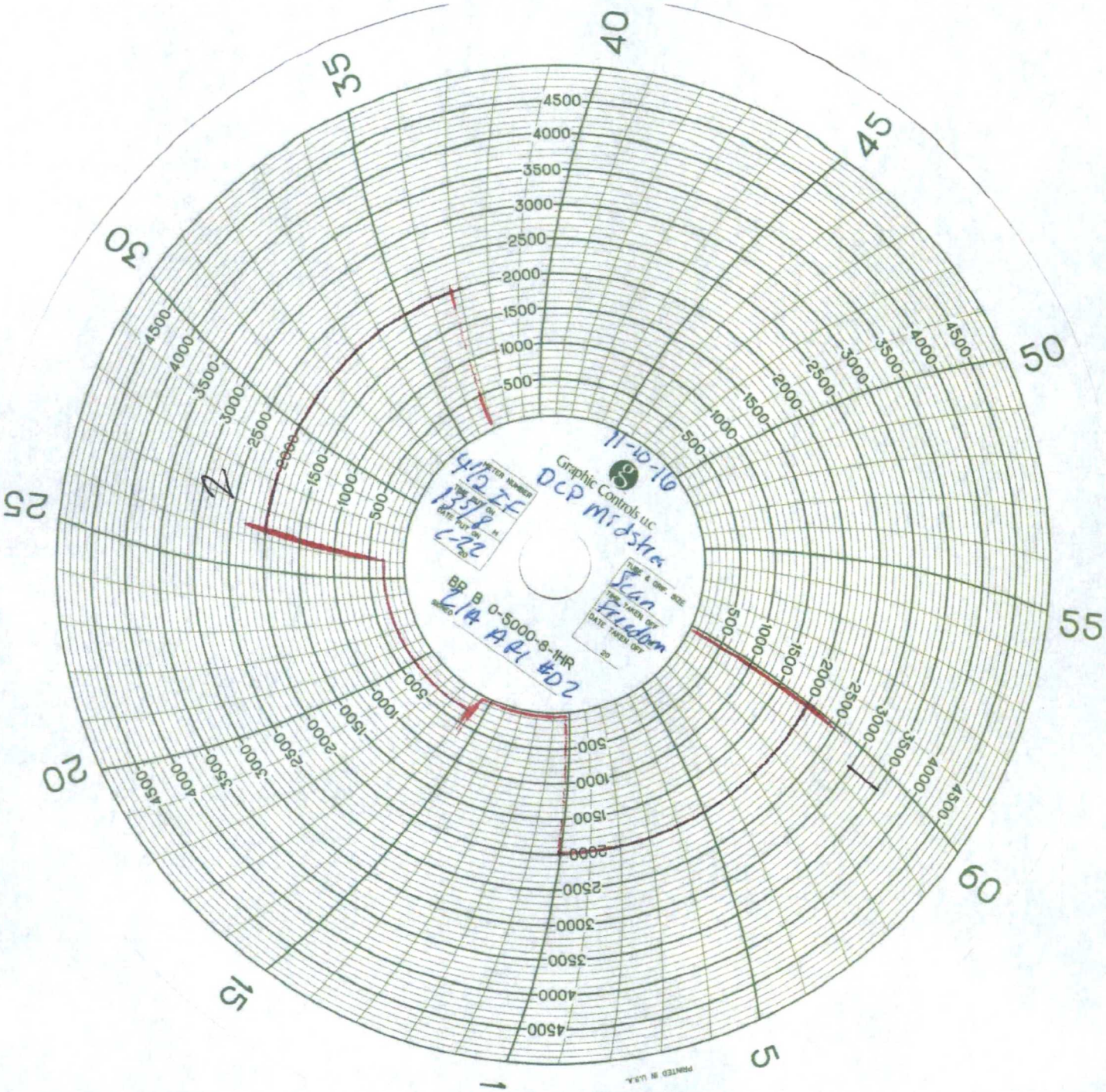
Serial Number: 04314

Maximum Pressure Rating: 5,000 PSI

Certified Gauge Used: L34906

Accuracy of this recorder is +/- 0.5% of indicated range

PO Box 7 Lovington, NM 88260 (P) 575-942-9472 (F) 575-396-0447 battleenergy@gmail.com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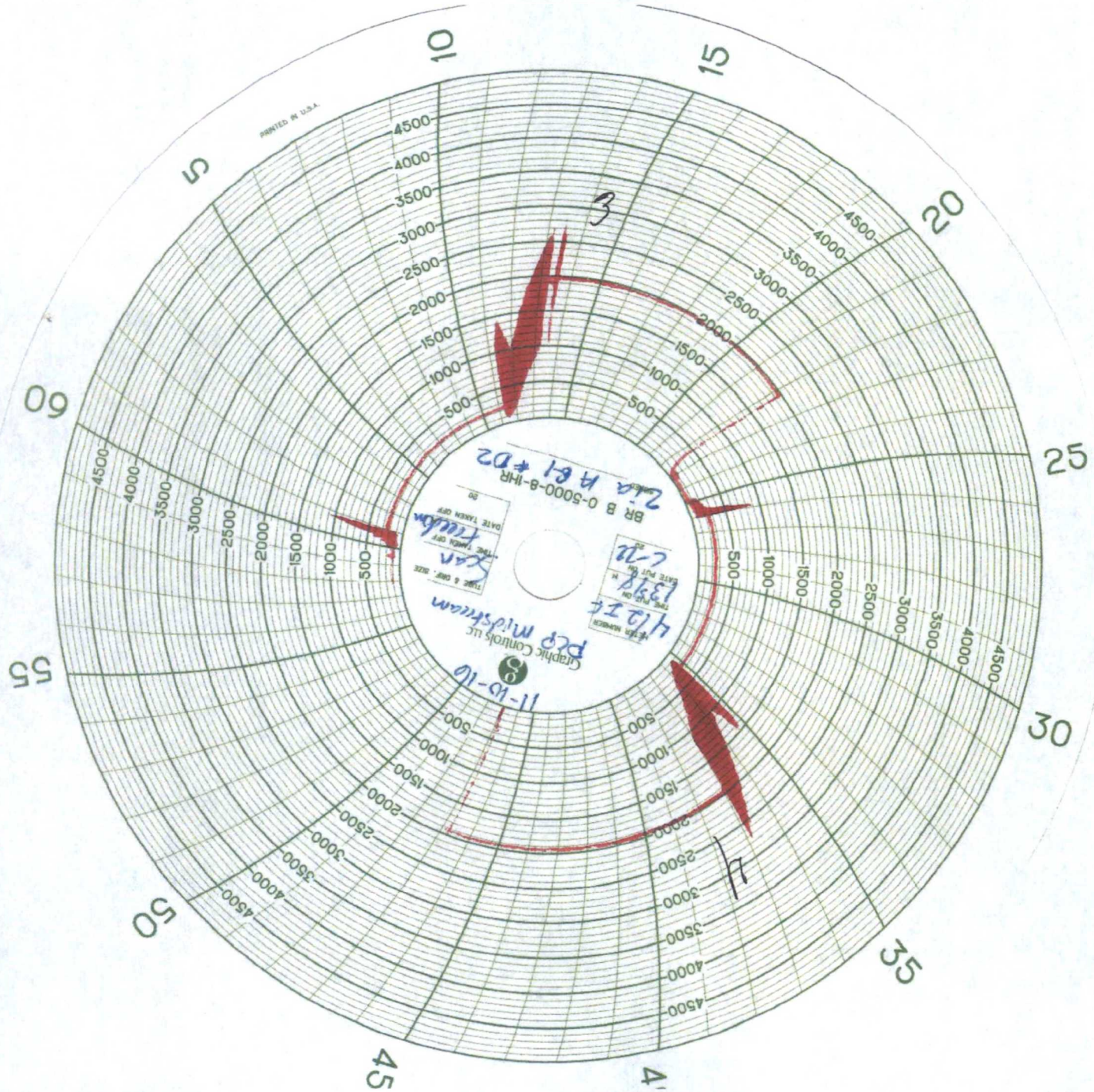
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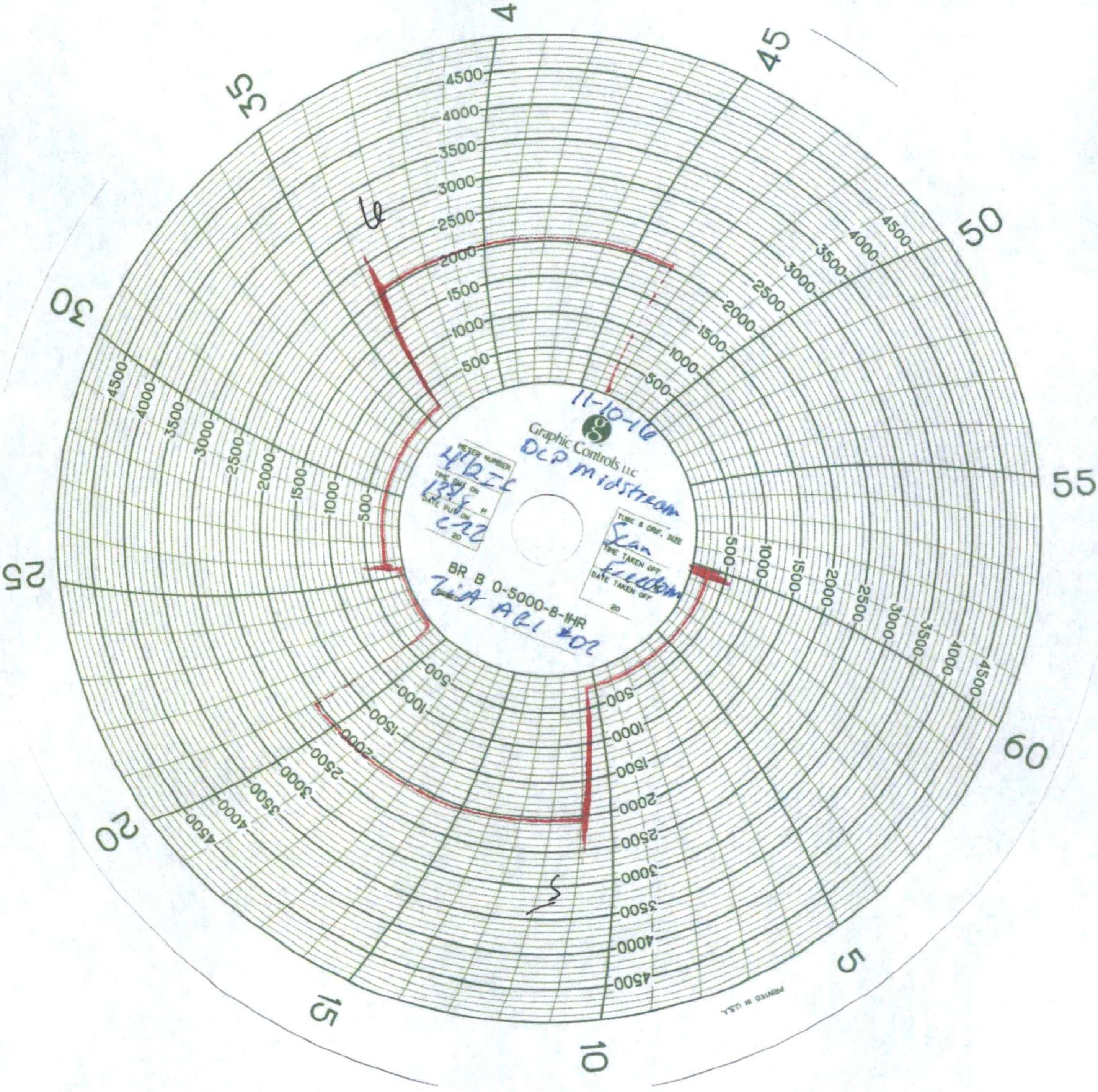

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11-10-16
DCP Midstream
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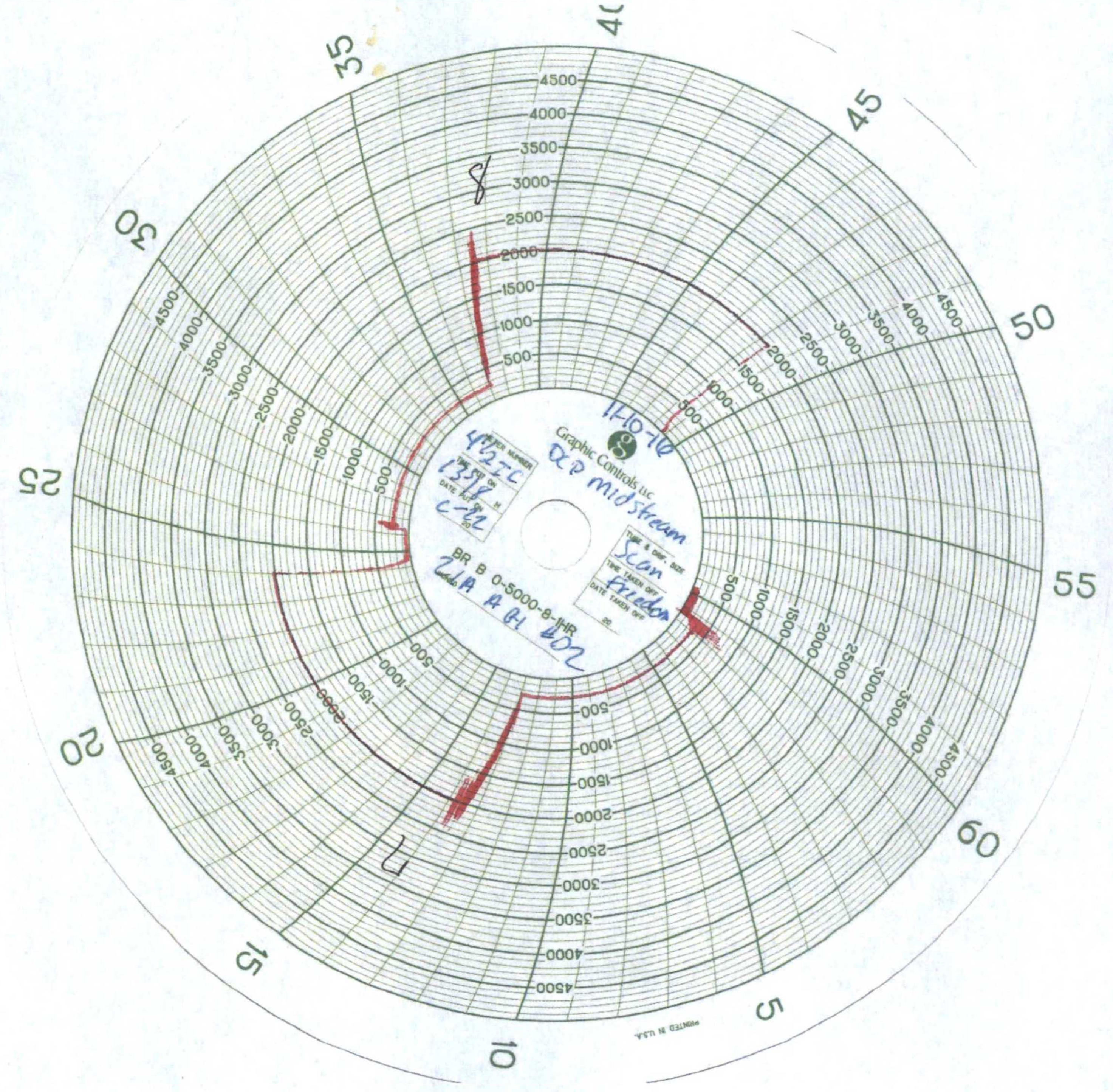

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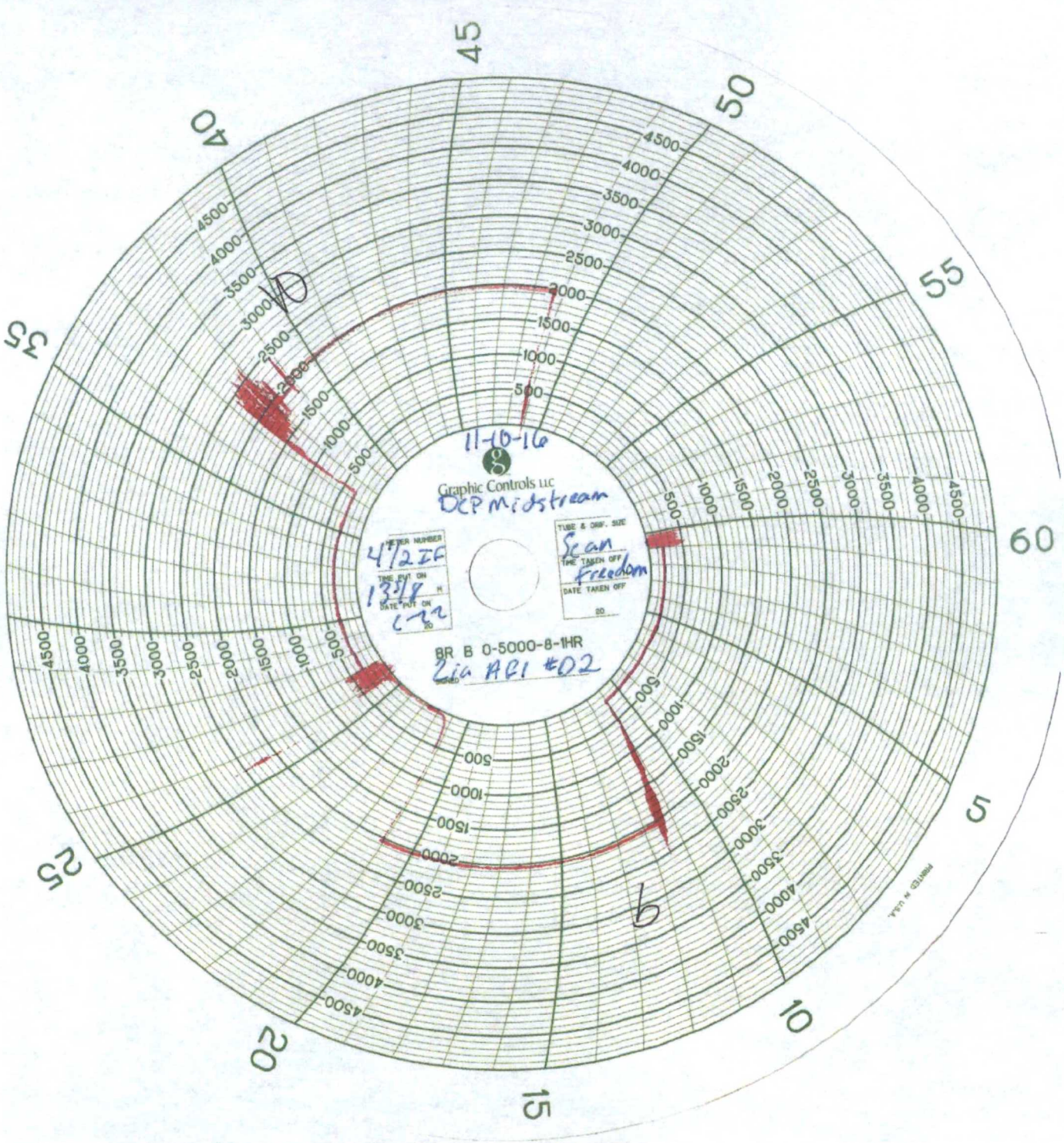
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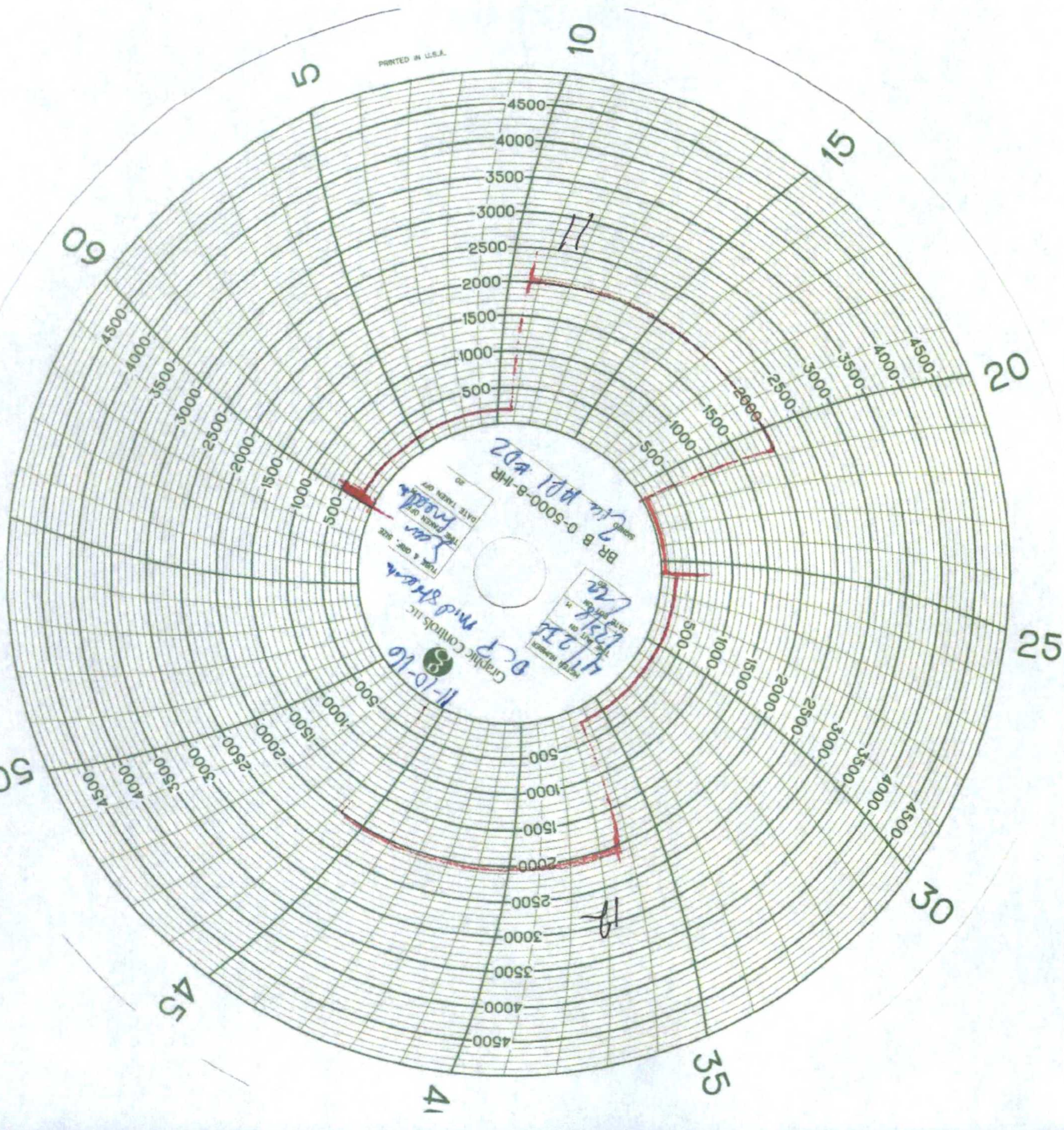
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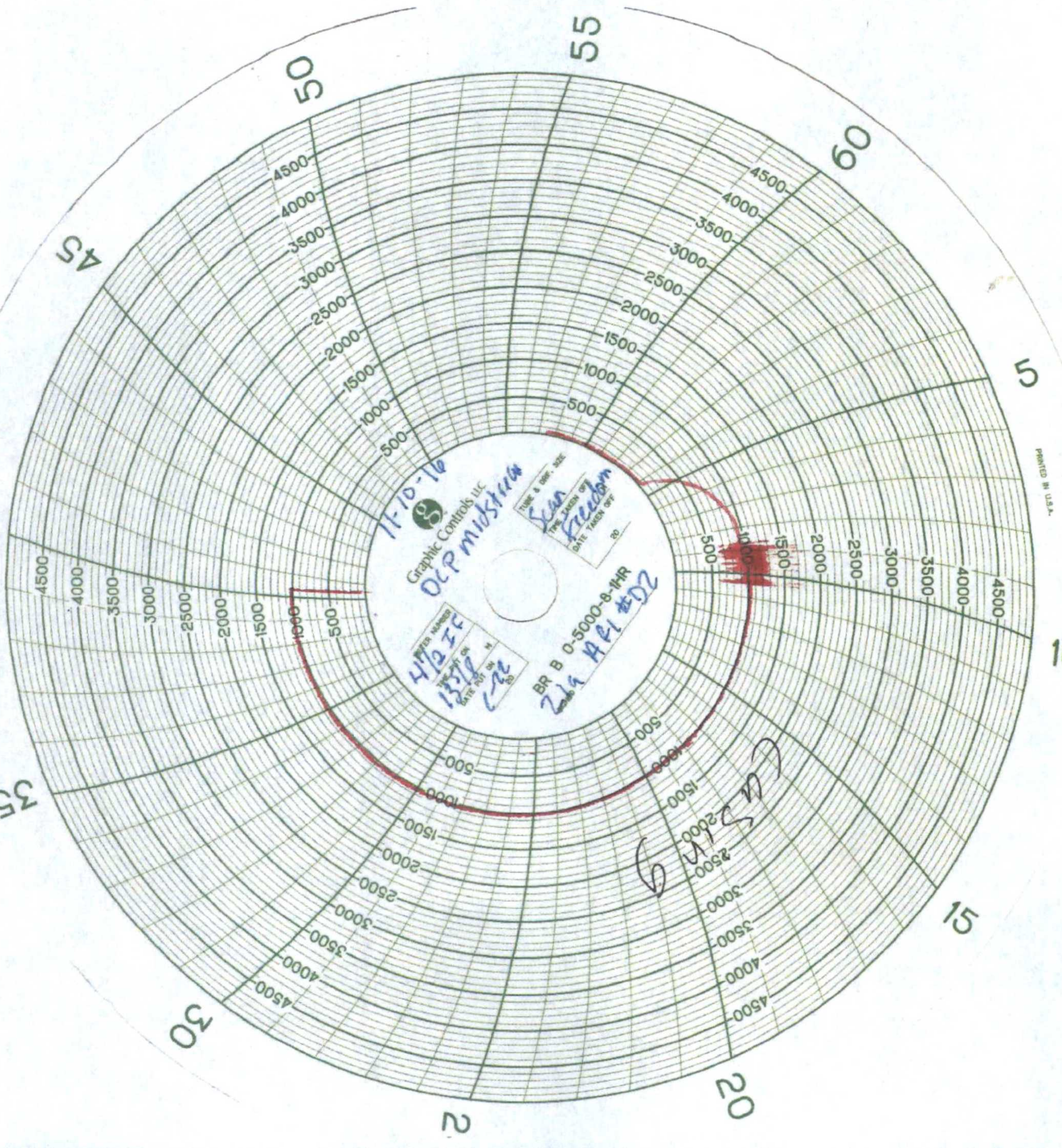
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11-10-16
OCP Midstream
Casing

BATTLE Energy Services

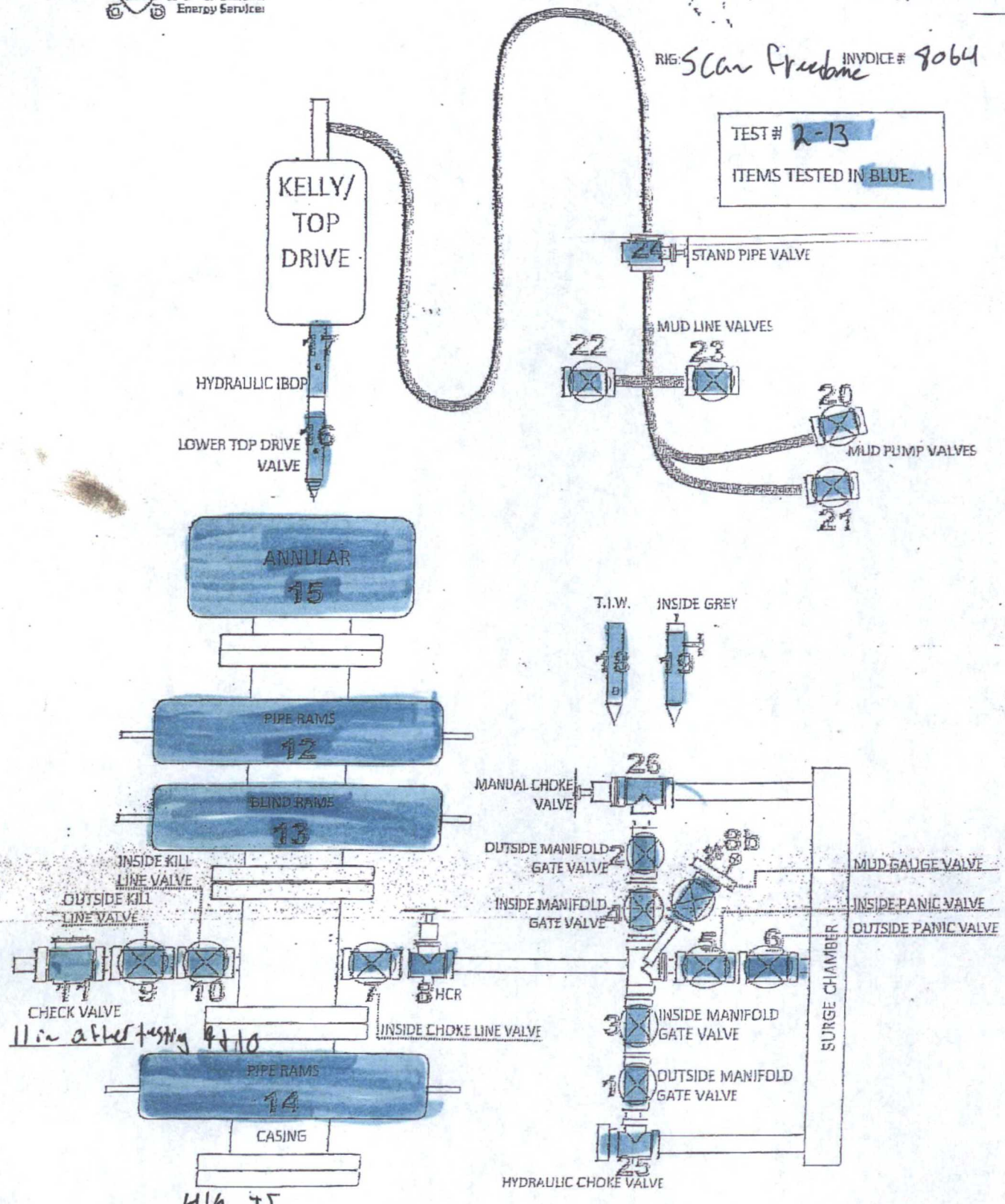
BOP Test Diagram

Date 11-10-16

RIG: 5 Can Freedom INVOICE # 8064

TEST # 2-13

ITEMS TESTED IN BLUE.



4½ IF
DRILL PIPE & TYPE

13 5/8 C22
PLUG/CUP SIZE AND TYPE

BATTLE Energy Services

INVOICE

B 8064

DATE 11-10-16 START TIME 7:00 pm

COMPANY DCP Midstream COMPANY REP George Smith

LEASE Zia AGI #D2 STATE NM COUNTY Lea

DRILLING CONTRACTOR Scan Freeform TOOL PUSHER

TESTER Ara Castro / Michael Petty

TESTING DETAILS

Test Pressures

BOP 2,000

Annular 2,000

Casing 1,000

Pumps 2,000

Manifold 2,000

Test Equipment

Test Plug 13 3/8 C-22

Drill Pipe Size 4 1/2 XF

Crossovers N/A

TESTING DESCRIPTION

13 3/8 C-22 2,000 PSI Test. All test good ✓

* 15 min safety meeting w/ rig crews

Tester	10	Hours @	$110	$1100
Additional	N/A	Hours @		
Mileage	100	Miles @	✓	
Methanol	N/A	@		
O-Rings	1	@	$50	$50
Cup Test	N/A	@		
		@		
		@		
		@		
			Sub Total	$1,150
			Tax	$65
			TOTAL	$1,215

PO BOX 7 • LOVINGTON, NM 88260 • 575.942.9472 • battleenergy@gmail.com

BATTLE Energy Services

PO Box 7
Lovington, NM 88260
(575) 224-2345 (575) 942-9472

Company DCP Midstream Date 11-10-16

Lease 214 A D1 & D2 County Lea County

Drilling Contractor Scan Freedom Plug & Drill Pipe Size 4 1/2 IC / 13 CH 22

Accumulator Function Test - OO&GO#2

To Check - USABLE FLUID IN THE NITROGEN BOTTLES (III.A.2.c.i. or ii or iii)

- Make sure all rams and annular are open and if applicable HCR is closed.
- Ensure accumulator is pumped up to working pressure! **(Shut off all pumps)**

1. Open HCR Valve. (If applicable)
2. Close annular.
3. Close **all** pipe rams.
4. Open one set of the pipe rams to simulate closing the blind ram.
5. For 3 ram stacks, open the annular to achieve the 50+ % safety factor. (5M and greater systems).
6. **Record remaining pressure** 2 900 **psi. Test Fails if pressure is lower than required.**

- **a.**{**950** psi for a 1500 psi system} **b.** {**1200** psi for a 2000 & 3000 psi system }

7. If annular is closed, open it at this time and close HCR.

To Check - PRECHARGE ON BOTTLES OR SPHERICAL (III.A.2.d.)

- Start with manifold pressure at, or above, maximum acceptable pre-charge pressure:
  a. {**800** psi for a 1500 psi system} **b.** {**1100** psi for 2000 and 3000 psi system}

1. Open bleed line to the tank, slowly. **(gauge needle will drop at the lowest bottle pressure)**
2. Close bleed line. Barely bump electric pump and see what pressure the needle jumps up to.
3. **Record pressure drop** 1050 **psi. Test fails if pressure drops below minimum.**

- **Minimum: a.**{**700** psi for a 1500 psi system } b. {**900** psi for a 2000 & 3000 psi system}

To Check - THE CAPACITY OF THE ACCUMULATOR PUMPS (III.A.2.f.)

- Isolate the accumulator bottles or spherical from the pumps & manifold.
- Open the bleed off valve to the tank, {manifold psi should go to 0 psi} close bleed valve.

1. Open the HCR valve, {if applicable}
2. Close annular
3. With **pumps** only, time how long it takes to regain the required manifold pressure.
4. **Record elapsed time** 40 sec **. Test fails if it takes over 2 minutes.**

- **a.** {**950** psi for a 1500 psi system} **b.** {**1200** psi for a 2000 & 3000 psi system)

Notifications to the BLM

GEOLEX
INCORPORATED

dcp Midstream

Geolex Notification for Zia AGI #D2 First Intermediate Casing

DCP Zia AGI #D2 API # 30-025-42207			DATE 11/11/16		
Notifications	**Date**	**Time (MST)**	**Persons Notified**	**Responsible Person(s)**	**Result**
Called Stephen Bailey, Hobbs BLM on call inspector	Monday, November 7, 2016	10:58	Stephen Bailey, Hobbs BLM on call inspector	Michael W. Selke	M Selke called Stephen Bailey, the new Hobbs BLM on call inspector, to discuss the retest of BOP test #7. All tests good but there was one exception. On test #7 the Hydraulic IBOP the operator set the pressure below the 250 psi requirement. Battle was brought back out to the site and successfully retested #7. Stephen was satisfied with the result and will pick up the chart on his next site visit. In addition, Stephen asked that we notify him when we reach TD in the upper intermediate casing and then he will tell us when he wants to come to the site to witness casing setting and cementing.
Stephen Baily, Hobbs BLM on call inspector	Tuesday, November 8, 2016	7:49	Stephen Bailey, Hobbs BLM on call inspector	Michael W. Selke	Stephen Bailey called M Selke asking for status of Zia AGI #D2. Currently tripping out the bit but should be drilling again after noon.
Called Teungku Muchlis Krueng	Tuesday, November 8, 2016	15:23	Teungku Muchlis Krueng	Michael W. Selke	M Selke called Teungku Muchlis, Carlsbad BLM, and notified him we plan to TD the upper intermediate casing at 2550' instead of 2600' because our correlation with AGI #1 shows
Called Stephen Baily, Hobbs BLM on call inspector	Tuesday, November 8, 2016	16:17	Stephen Bailey, Hobbs BLM on call inspector	Michael W. Selke	M Selke notified Stephen Bailey, Hobbs BLM On-Site Inspector, when the upper intermediate casing borehole reach TD at 2550', as requested. He requested that the next notification be when there are 5 casing joints left to run.
Called Stephen Baily, Hobbs BLM on call inspector	Wednesday, November 9, 2016	7:17	Stephen Bailey, Hobbs BLM on call inspector	Jared R. Smith	J Smith updated Stephen Bailey on the status of the 1st intermediate casing. He would still like to be notified when there are 5 casing joints left to run.
Called Stephen Baily, Hobbs BLM on call inspector	Wednesday, November 9, 2016	12:09	Stephen Bailey, Hobbs BLM on call inspector	Jared R. Smith	J Smith notified Stephen Bailey that there were 5 casing joints left to run. He is in route to the site. Stephen Bailey arrived on site at 13:23 on 9 Nov 2016.
Called Stephen Baily, Hobbs BLM on call inspector	Wednesday, November 9, 2016	19:46	Stephen Bailey, Hobbs BLM on call inspector	Dale T. Littlejohn	D Littlejohn notified Stephen Bailey that the BOP would be pressure tested tomorrow morning around 8:00 am. He indicated that he would not be able to witness the pressure testing and to save a copy of the charts for him. He also indicated that no other notice was required for this event.
Correspondence with BLM	Thursday, November 10, 2016	9:55	Stephen Bailey, Hobbs BLM on call inspector	Jared R. Smith	Stephen Bailey requested a copy of the Halliburton Cement Report be emailed to him once we received it. This action has been completed.
Submitted Surface Casing Sundry	Thursday, November 10, 2016	13:07	Teungku Krueng, Muchlis	Jared R. Smith	Submitted the 3160-5 surface casing sundry report to the BLM WIS website, and a copy was emailed to Teungku Krueng, Muchlis.
Approval of 1st Intermediate Casing Cement Job and proceed with BOP Testing, CIT, and Drilling of 2nd Intermediate Borehole	Thursday, November 10, 2016	13:07	Teungku Krueng, Muchlis	Jared R. Smith	Teungku Muchlis Krueng was satisfied with the WOC Time (14:10+) and the volume of circulated cement (428 sx). Jared informed him that the Geolex staff believed the CBL indicated a good cement bond so he approved the continuation of drilling without inspecting the CBL.
Called Stephen Baily, Hobbs BLM on call inspector	Thursday, November 10, 2016	18:36	Stephen Bailey, Hobbs BLM on call inspector	Dale T. Littlejohn	D Littlejohn notified Stephen Bailey that the BOP pressure test was delayed until around 8:00 pm tonight. He indicated that he would not be able to witness the pressure testing and to save a copy of the charts for him.
Called Teungku Muchlis Krueng	Friday, November 11, 2016	9:00	Teungku Krueng, Muchlis	Jared R. Smith	J Smith called, and left a message for Teungku Muchlis about the successful BOP/BOPE and CIT, and to inform him that we are proceeding to drill the 12 1/4-inch, 2nd intermediate borehole. No response was received.
Called Stephen Baily, Hobbs BLM on call inspector	Friday, November 11, 2016	11:45	Stephen Bailey, Hobbs BLM on call inspector	Jared R. Smith	J Smith called Stephen Bailey to discuss the results of the BOP/BOPE and CIT pressure tests, and to notify him that drilling is about to begin on the 12 1/4-inch borehole. Geolex's review of the BOP/BOPE and CIT pressure tests indicate good and successful tests. Stephen will pick up the results when he is onsite to witness the setting and cementing of the 2nd intermediate casing. In addition, Stephen asked that we notify him when we have completed the 1st stage cementing job so that he can witness 2nd stage cement returns.