3/4/09 DATE IN	SUSPENSE	W. Jones ENGINEER	3/4/09 LOGGED IN	SWD TYPE	PKAA0906356057 APP NO.

RECEIVED
2009 MAR 4 PM 1 35

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

30-015-33150
Milky Way Fee #2
MARBOB
14049

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

BRIAN COLLINS		PETROLEUM ENGINEER	02/23/2009
Print or Type Name	Signature	Title	Date

bcollins@marbob.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X___Disposal _____Storage
Application qualifies for administrative approval? ___X___Yes _____No

II. OPERATOR: MARBOB ENERGY CORPORATION

ADDRESS: P O BOX 227, ARTESIA, NM 88211-0227

CONTACT PARTY: BRIAN COLLINS PHONE: 575-748-3303

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes ___X___No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

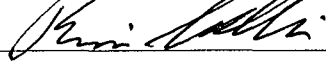
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: BRIAN COLLINS TITLE: PETROLEUM ENGINEER

SIGNATURE:  DATE: 01/22/09

E-MAIL ADDRESS: bcollins@marbob.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

C-108 Application for Authorization to Inject
Milky Way Fee 2 SWD
660' FNL 660' FWL
D-9-22S-27E, Eddy County

Marbob Energy Corporation proposes to convert the captioned well to salt water disposal service into the Bone Spring Sand.

V. Map is attached.

VI. Wellbore schematics are attached for all the wells that penetrate the proposed injection zone within the 1/2 mile radius area of review.

VII. 1. Proposed average daily injection rate = 1000 BWPD
Proposed maximum daily injection rate = 3000 BWPD

2. Closed system

3. Proposed maximum injection pressure = 1263 psi
(0.2 psi/ft. x 6315 ft.)

4. Source of injected water will be Delaware Sand produced water. The water in the Bone Spring receiving formation is expected to be chemically similar to the Delaware source water. No compatibility problems are expected. An analysis of Delaware water is attached.

VIII. The injection zone is the Bone Spring Sandstone, a fine-grained sandstone from 6315' to 8110'. Any underground water sources will be shallower than 400'.

IX. The Bone Spring sand injection interval will be acidized with 7 1/2% HCl acid. If necessary, the injection interval may be fraced with up to 300,000 lbs.of 20/40 mesh sand.

X. Well logs have been filed with the Division.

XI. There are numerous fresh water wells within one mile of the proposed SWD well (from Office of the State Engineer website). A water analysis is attached for the fresh water well located in the SE/4SE/4SE/4, Section 4, T22S-R27E and for the Pecos River which is approximately ½ mile south of the proposed well.

XII. After examining the available geologic and engineering data, no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Proof of Notice is attached.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Marbob Energy Corp

WELL NAME & NUMBER: Milky Way Fee 2 SWD

WELL LOCATION: 660'FNL, 660' FWL (FOOTAGE LOCATION) D (UNIT LETTER) 9 (SECTION) 22S (TOWNSHIP) 27E (RANGE)

WELLBORE SCHEMATIC

See Attached
Before & After Schematics

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17½" Casing Size: 13⅜" @403'

Cemented with: 475 sx. *or* - ft³

Top of Cement: Surface Method Determined: Circulated

Intermediate Casings

Hole Size: 12¼" / 8¾" Casing Size: 9⅝"@ 1712' / 7"@9000'

Cemented with: 580 / 1550 sx. *or* - ft³

Top of Cement: Surf / Surf Method Determined: Circ / Circ

Production Casing

Hole Size: 6⅛" Casing Size: 4½" @11821'

Cemented with: 340 sx. *or* - ft³

Top of Cement: 7175' Method Determined: Temp Survey

Total Depth: 11830'

Injection Interval

6315' feet to 8110'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Plastic / Duoline 20

Type of Packer: Nickel plated 10K double grip retrievable

Packer Setting Depth: ± 6275'

Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection? ____ Yes X No

   If no, for what purpose was the well originally drilled? Oil & Gas

2. Name of the Injection Formation: Bone Spring

3. Name of Field or Pool (if applicable): Esperanza

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Morrow 11537-656', CIBP 11510', Morrow 11213-451', CIBP 11160', Morrow 11136-41', Atoka 10648-951', Strawn 10136-247' When convert to SWD, will set CIBP +35' cmt at 11,100', 10610', 10100' and 8900'. Will also cut & pull ± 7100' 4½" casing.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   Overlying: Delaware 2000-5100' range

   Underlying: Wolfcamp 9400-9800' range, Strawn 10250-10400' range

   Morrow 11100-11850' range

Well: Military Way Fed 2 SWD

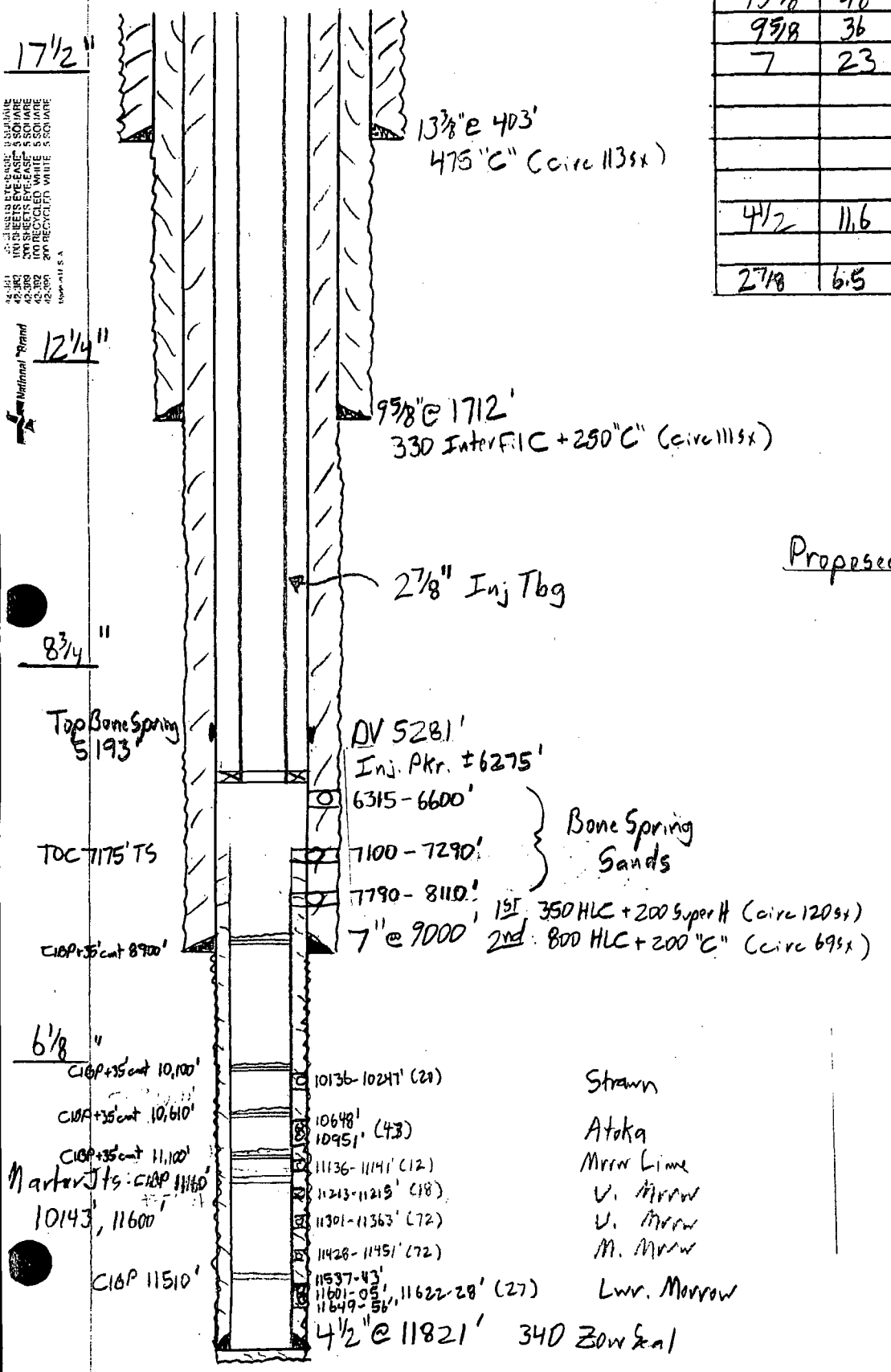
Location: 660' N 660' W
D-9-22s-27e
Eddy NM

Zero: 17 AGL
KB: 3122'
GL: 3105'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
13 3/8	48	H40	STC	403'
9 5/8	36	J55	ST	1712'
7	23	L80, P110	LT	9000'
4 1/2	11.6	N95-110	LTC	11821'
2 7/8	6.5	J55	EVE	±6275'

IPC / Ovoline 2D



Proposed SWD Configuration

— Sketch Not To Scale —

KBC 11 ins /

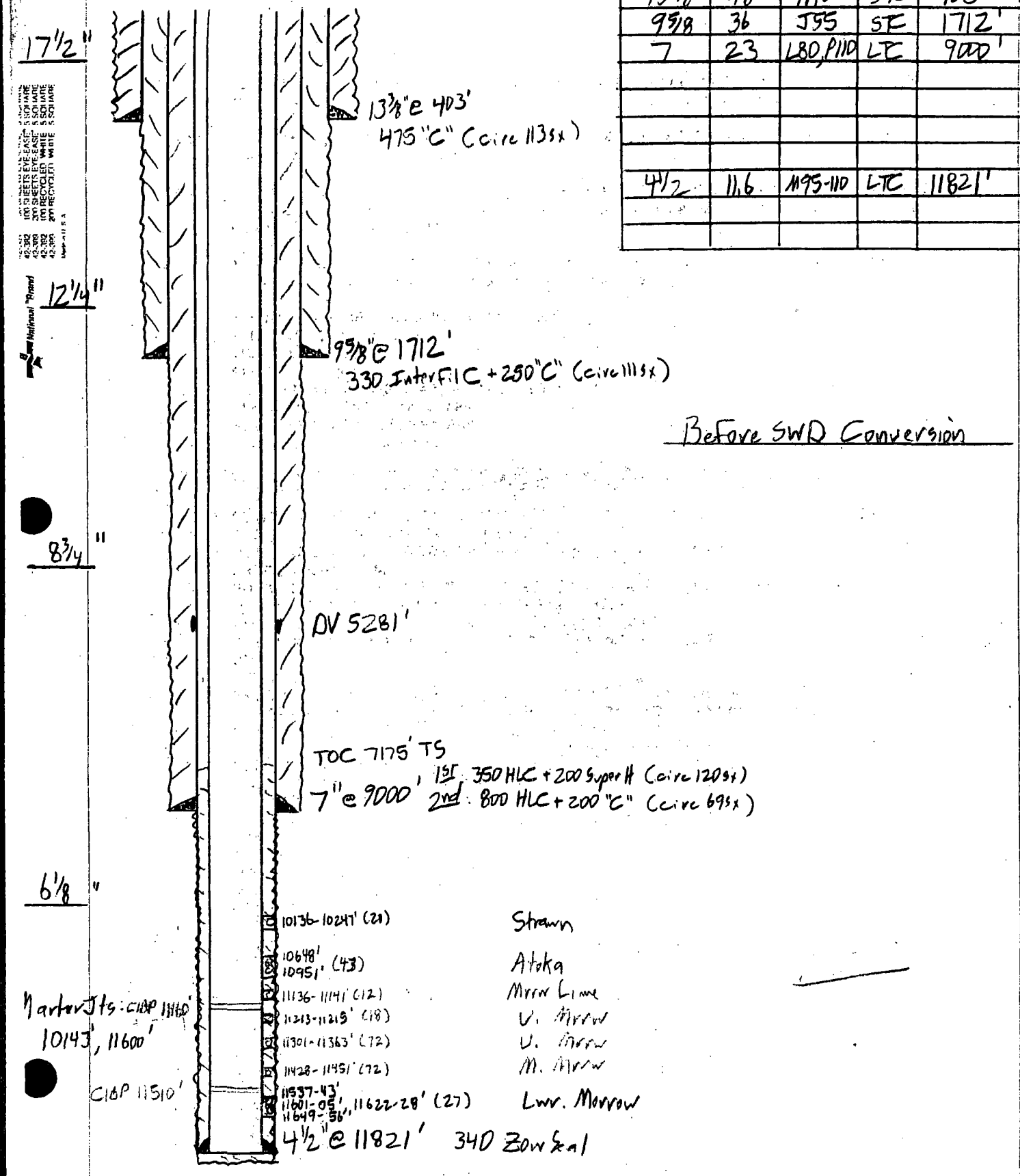
Well: Milky Way Fee 2

Location: 660'N 660'W
D-9-22s-27e
Eddy NM

Zero: 17' AGL
KB: 3122'
GL: 3105'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
13 3/8	48	H40	STC	403'
9 5/8	36	J55	STC	1712'
7	23	L80, P110	LTC	9000'
4 1/2	11.6	N95-110	LTC	11821'



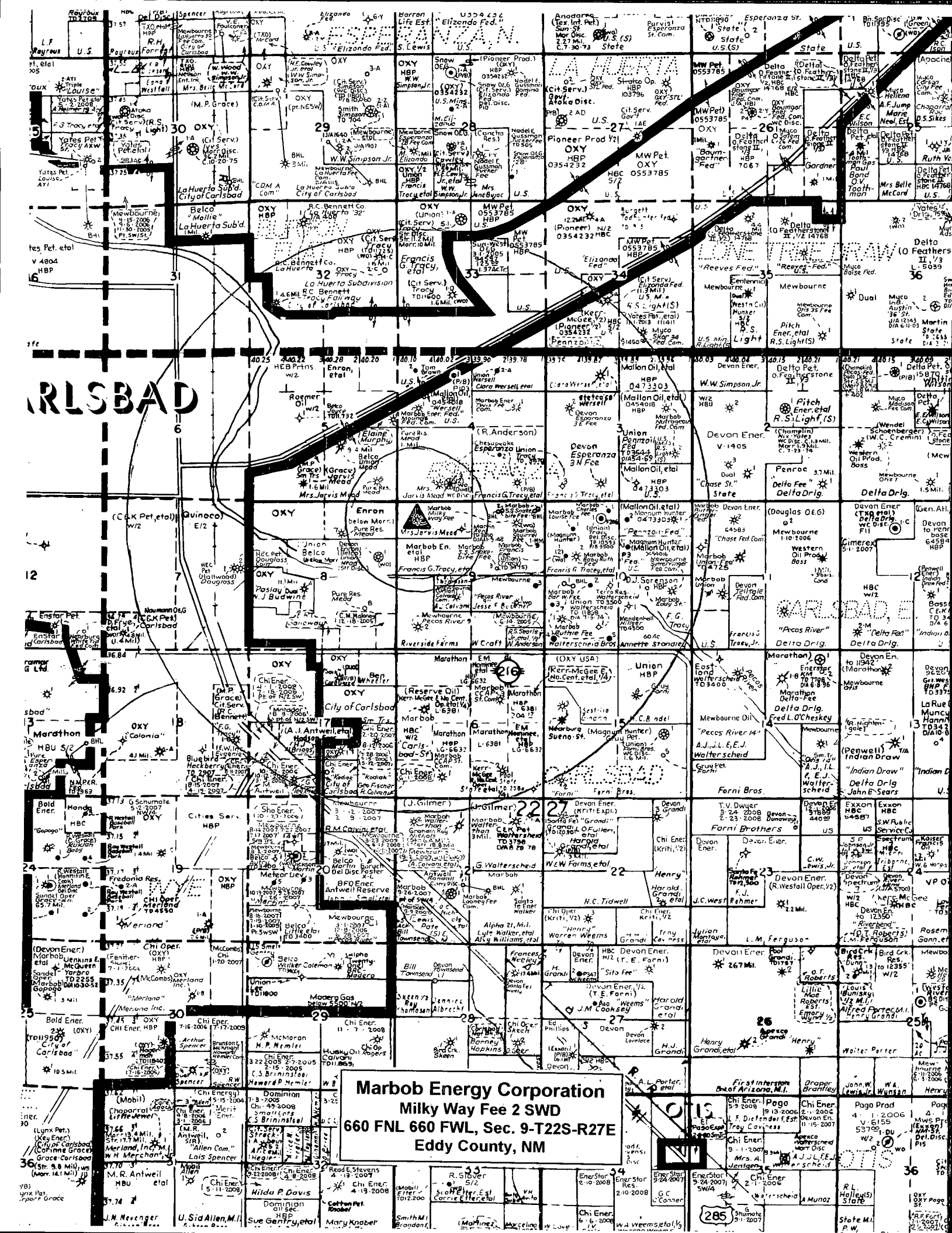
Before SWD Conversion

— Sketch Not To Scale —

KBCollins/

V.

MAP

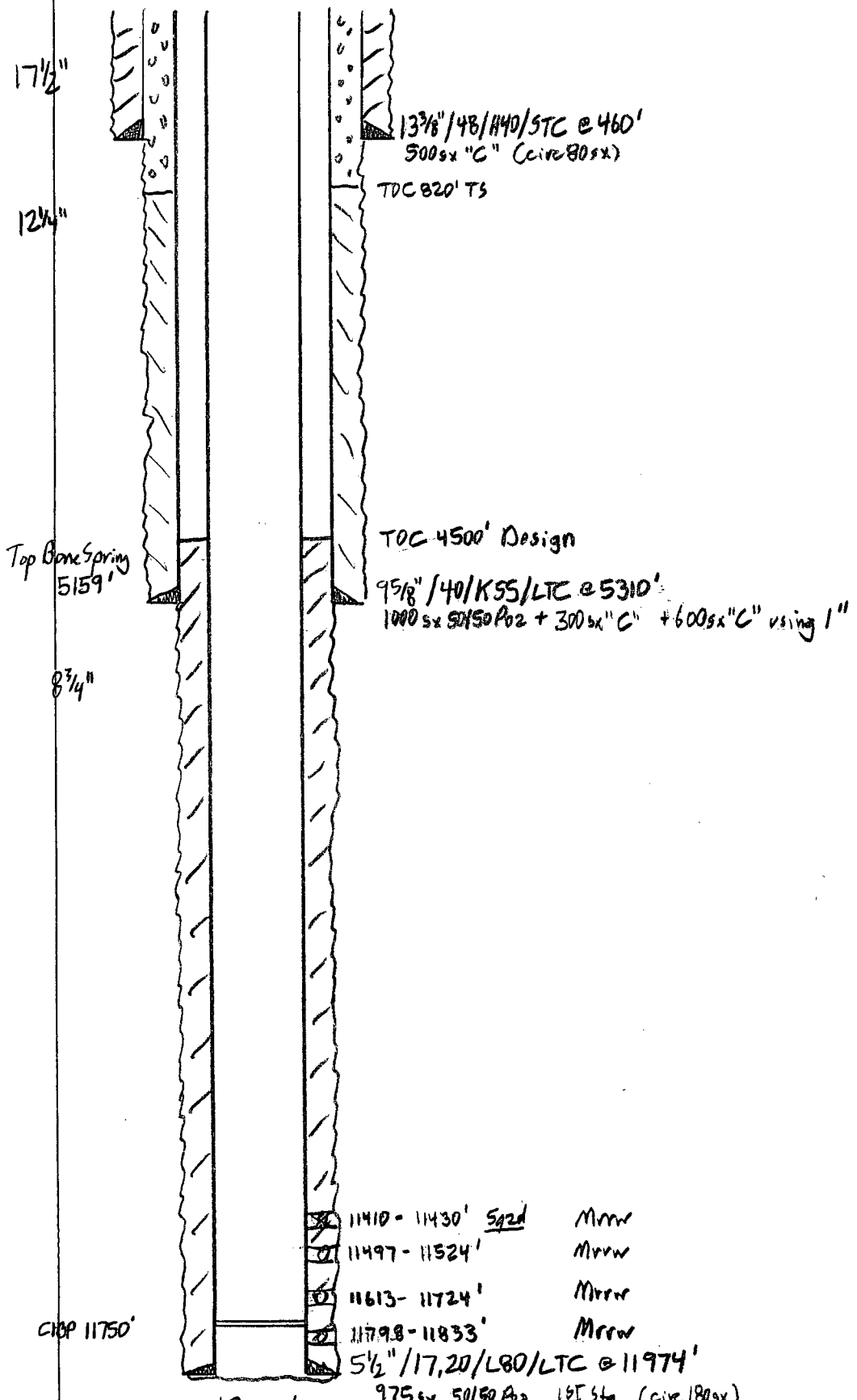

Marbob Energy Corporation
Milky Way Fee 2 SWD
660 FNL 660 FWL, Sec. 9-T22S-R27E
Eddy County, NM

VI.

Wells Within 1/2 Mile Area of Review That Penetrate Proposed Disposal Zone

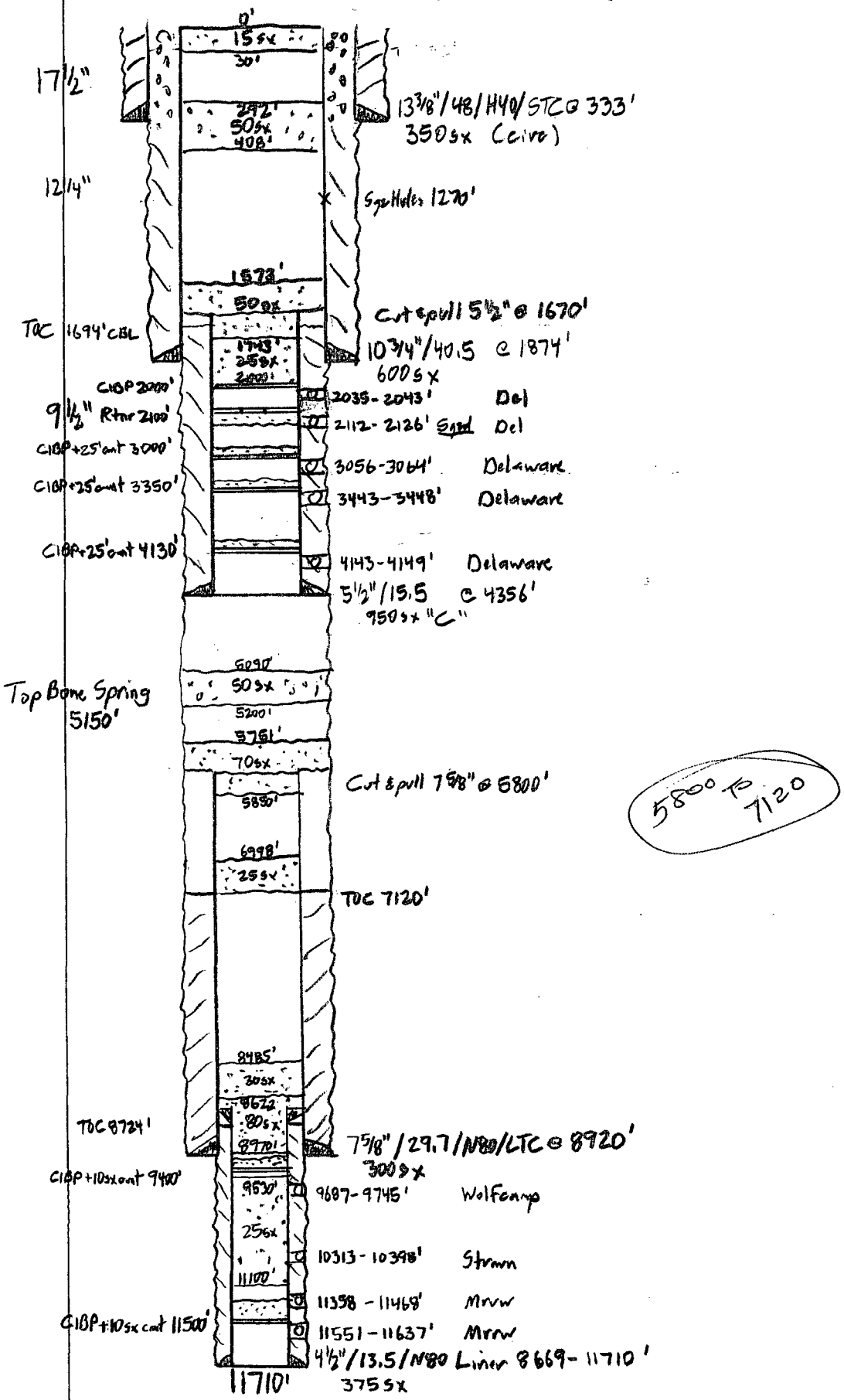
Esperanza 4-4

660' FSL, 1530' FWL
N-4-22s-27e
Eddy, NM
30-015-33412



Esperanza 3

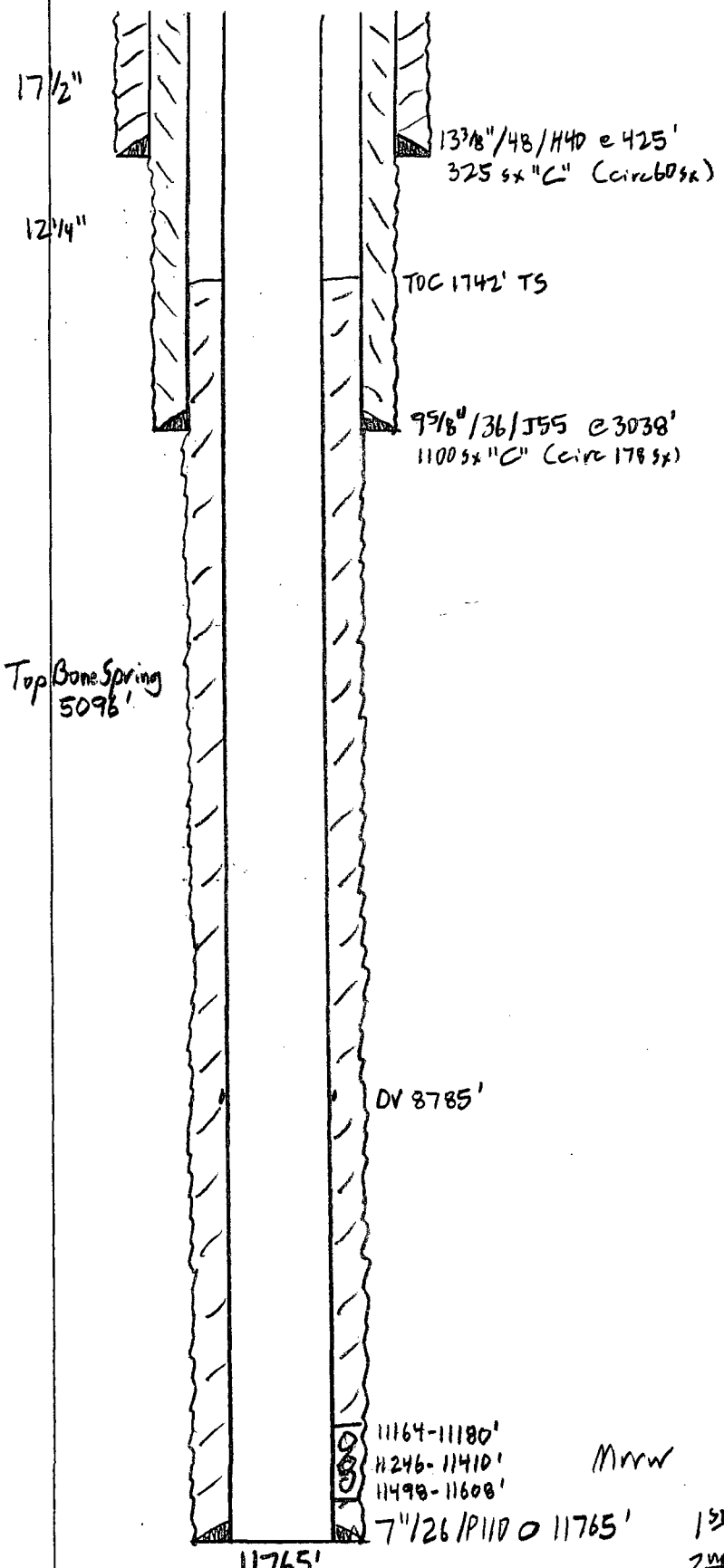
660' FSL, 1880' FWL
N - 4 - 22S - 27E
Eddy NM
30-015-20759



5800 to 7120

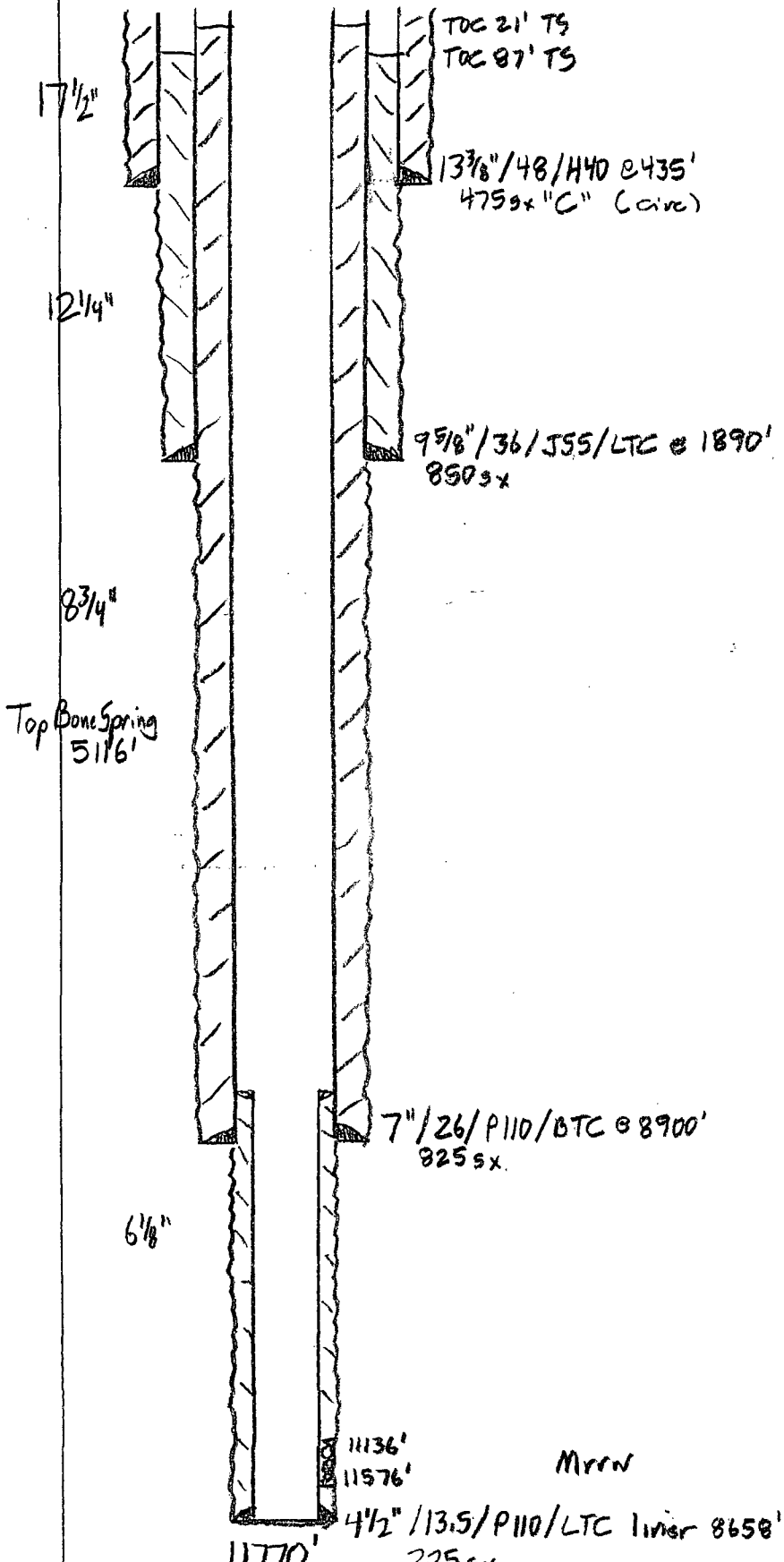
Mead 5

660' FSL, 1060' FEL
P-5-22s-27e
Eddy NM
30-015-33149'



1st: 570 sx "H" (circ)
2nd: 1115 sx "H"

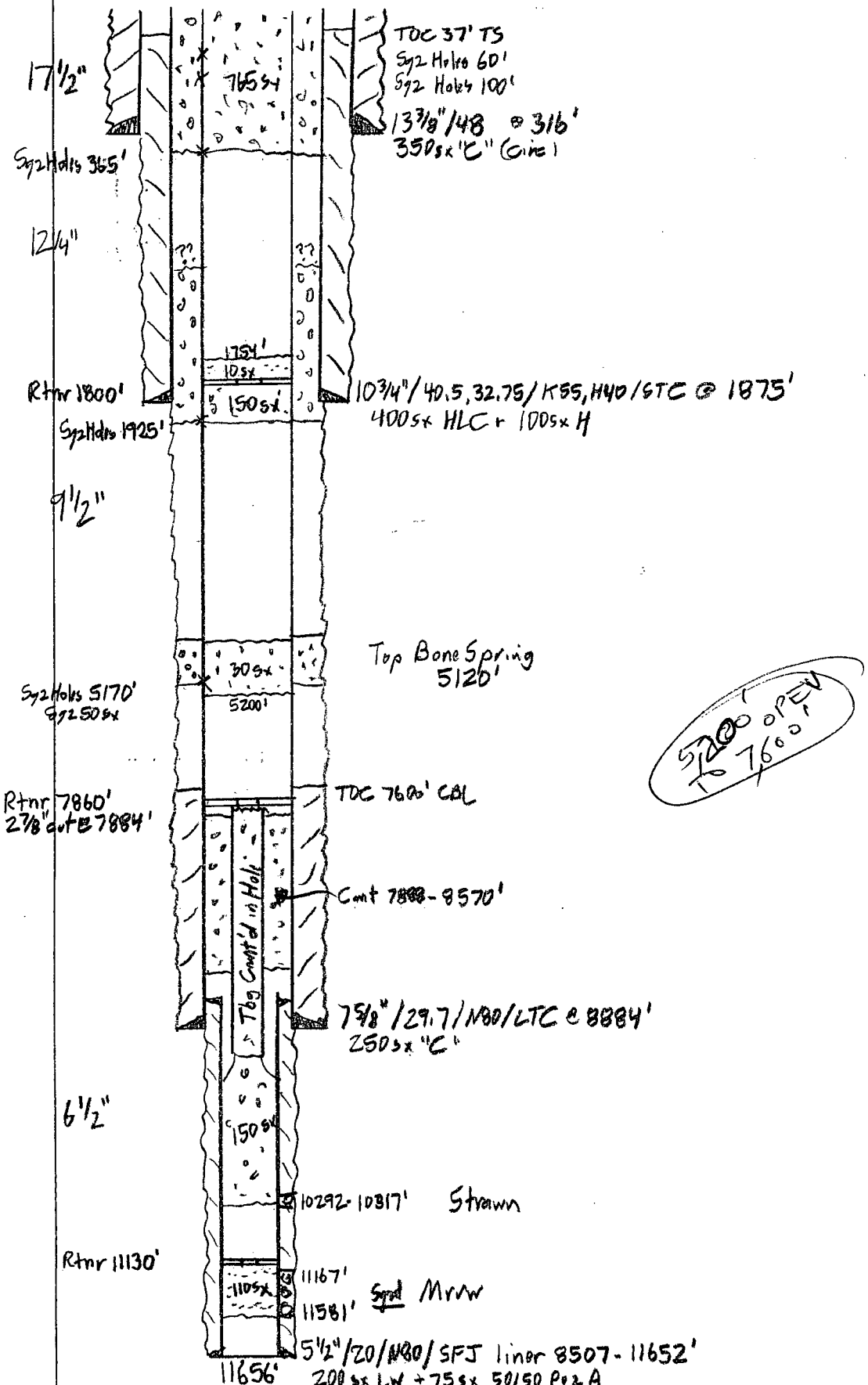
Mead 7
1080' FNL, 1980' FEL
B-8-22s-27e
Eddy NM
30-015-34066



Mrrw

Union Mead Fee 1

1980' FNL, 660' FEL
H-8-22s-27e
Eddy, NM
30-015-20718



VII.

DELAWARE SAND WATER ANALYSIS

Water Analysis

Analytical Laboratory Report for: Marbob Energy — Delaware Sand — Produced / Inj Zone

BJ Chemical Services

UNICHEM Representative: Bill Polk

Production Water Analysis

Listed below please find water analysis report from: Francis Fee, #1 Sec. 10-22s-27e

Lab Test No: 2003148714 Sample Date: 11/25/2003

Specific Gravity: 1.157

TDS: 241213

pH: 6.20

Cations:	mg/L	as:
Calcium	23807	(Ca^{++})
Magnesium	3769	(Mg^{++})
Sodium	70309	(Na^{+})
Iron	62.00	(Fe^{++})
Barium	0.79	(Ba^{++})
Strontium	588.00	(Sr^{++})
Manganese	5.00	(Mn^{++})
Anions:	**mg/L**	**as:**
Bicarbonate	122	(HCO_3^{-})
Sulfate	650	($SO_4^{=}$)
Chloride	141900	(Cl^{-})
Gases:		
Carbon Dioxide	160	(CO_2)
Hydrogen Sulfide	0	(H_2S)

X.

LOG SECTION

Across Proposed Disposal Interval

Eng Work

HALLIBURTON

SPECTRAL DENSITY
DUAL SPACED NEUTRON
COMPOSITE RUNS 1 & 2

COMPANY MARBOB ENERGY CORPORATION

WELL MILKY WAY FEE No. 2

FIELD CARLSBAD SOUTH - MORROW

COUNTY EDDY STATE NM

Permanent Datum	GROUND LEVEL
Log measured from	K.B. 17 ft. above perm. datum
Drilling measured from	KELLY BUSHING

Elev. :	K.B. 3122'
	D.F. 3121'
	G.L. 3105'

COMPANY MARBOB ENERGY CORPORATION

WELL MILKY WAY FEE No. 2

FIELD CARLSBAD SOUTH - MORROW

COUNTY EDDY STATE NM

API No. 30-015-33150

Location 660' FNL AND 660' FWL

Sect 9 Twp 22S Rge 26E

Other Services
DLL/MGRD

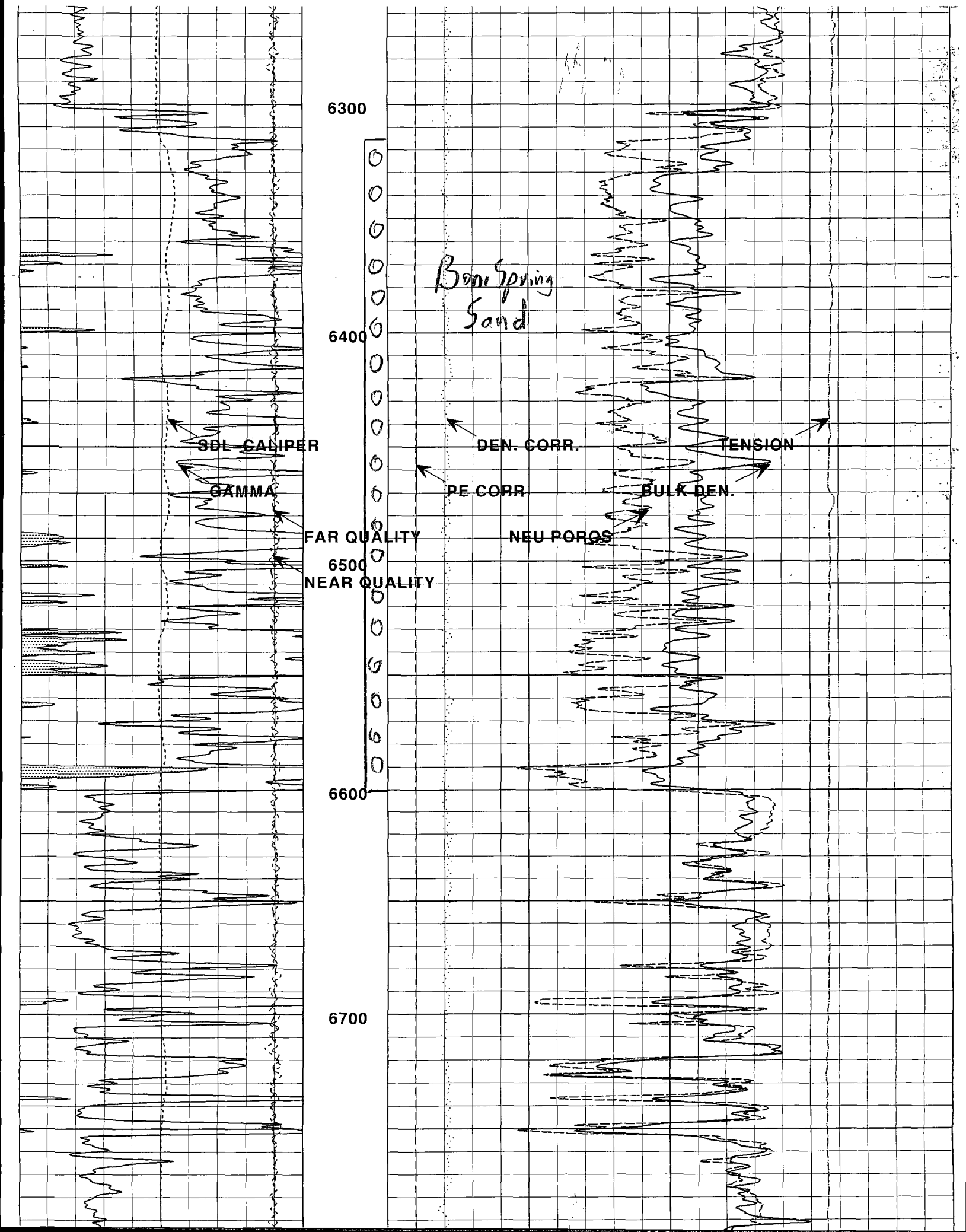
Date	JAN 22 2004	FEB 04 2004		
Run No.	ONE	TWO		
Depth – Driller	9000'	11830'		
Depth – Logger	8990'	11804'		
Bottom – Logged Interval	8939'	11753'		
Top – Logged Interval	200'	8987'		
Casing – Driller	9.625 @ 1712'	7" @ 9000'	@	
Casing – Logger	1707'	8987'		
Bit Size	8.75"	6.125"		
Type Fluid in Hole	SALT GEL	KCL-POLYMER		
Dens. | Visc.	9.2 | 28	10.3 | 34	|	
Ph | Fluid Loss	10.5 | N/C	11 | 5	|	
Source of Sample	MUD PITS	MUD PITS		
Rm @ Meas. Temp.	0.083 @ 70 F	0.052 @ 62 F	@	
Rmf @ Meas. Temp.	0.071 @ 70 F	0.041 @ 62 F	@	
Rmc @ Meas. Temp.	0.112 @ 70 F	0.072 @ 62 F	@	
Source Rmf | Rmc	MEAS. | MEAS.	MEAS. | MEAS.	|	
Rm @ BHT	0.045 @ 136 F	0.020 @ 174 F	@	
Time Since Circ.	1600 1-21	2000 2-3		
Time on Bottom	0246 1-22	0430 2-4		
Max. Rec. Temp.	136 F @ T.D.	174 F @ T.D.	@	
Equip. | Location	388 | HBNM	388 | HBNM	|	
Recorded By	C MERCADO	C MERCADO		
Witnessed By	MR. MAY	MR. JOYCE		

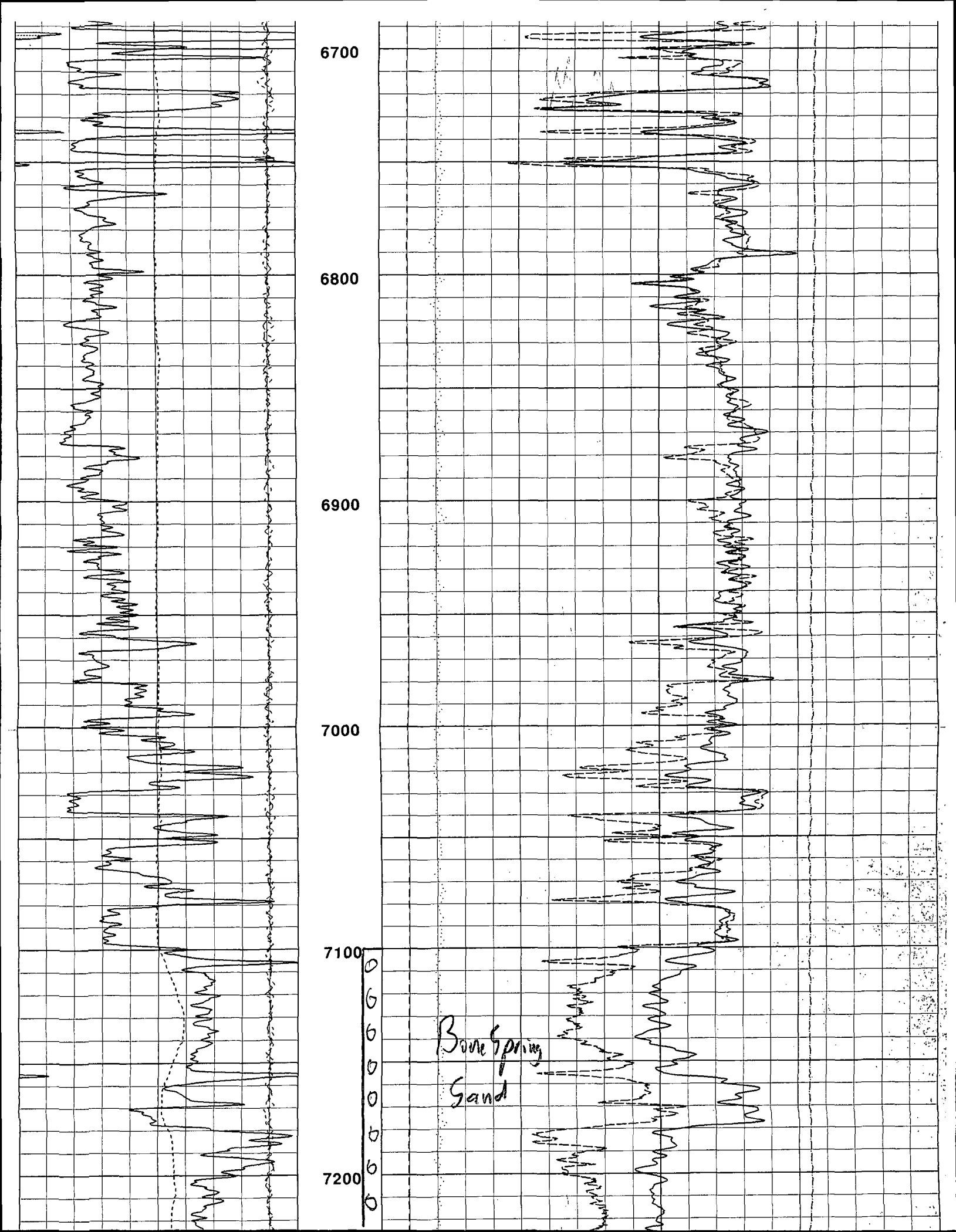
Fold Here

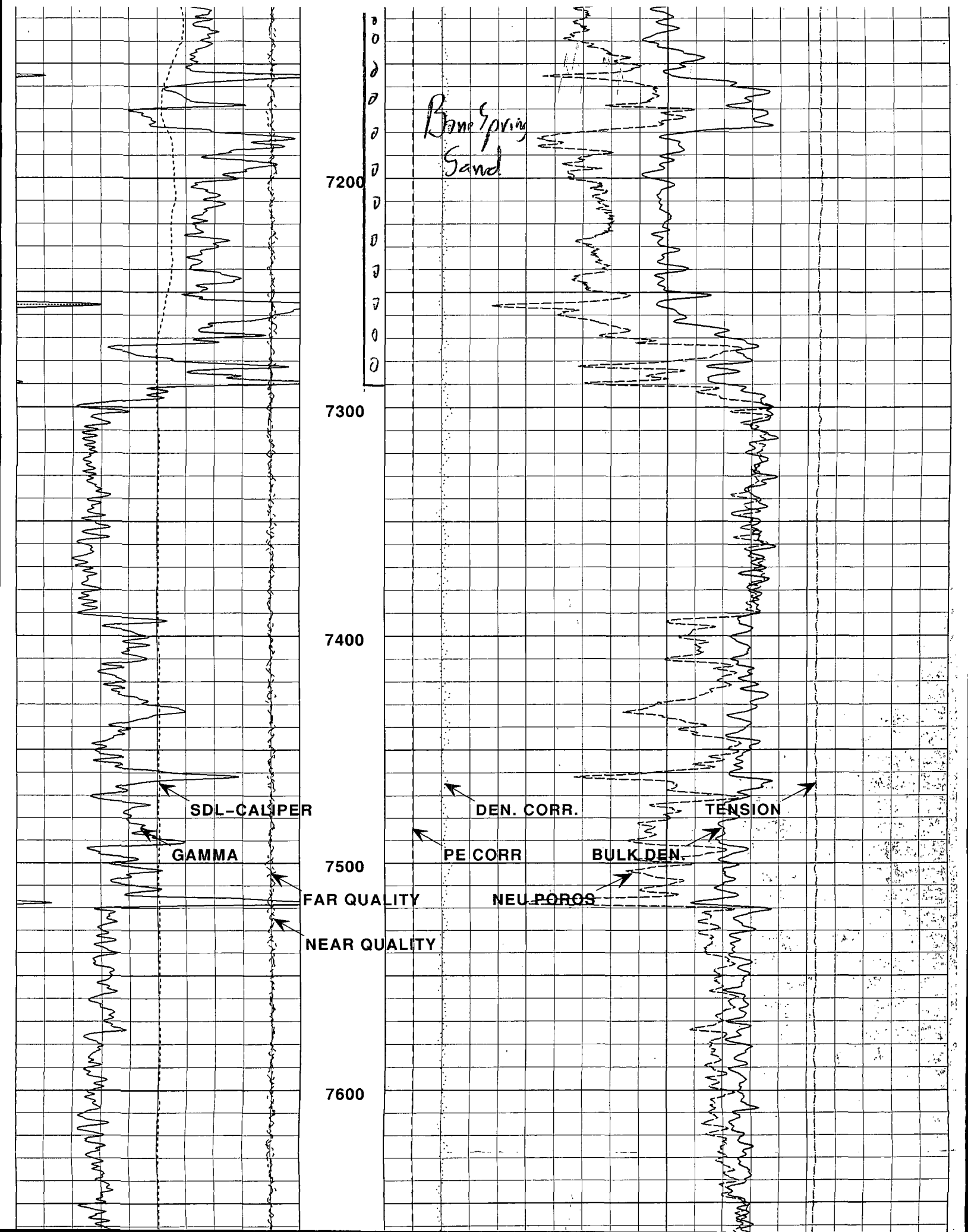
Service Ticket No.:	2873604		API Serial No.:	30-015-33150		PGM Version:	XL v5.0	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES				RESISTIVITY SCALE CHANGES				
Date | Sample No.	|		|	Type Log	Depth	Scale Up Hole	Scale Down Hole	
Depth – Driller								
Type Fluid in Hole								
Dens. | Visc.	|		|					
Ph | Fluid Loss	|		|					
Source of Sample				RESISTIVITY EQUIPMENT DATA				
Rm @ Meas. Temp.	0.083	@ 70 F	0.052 @ 62 F	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
Rmf @ Meas. Temp.	0.071	@ 70 F	0.041 @ 62 F					
Rmc @ Meas. Temp.	0.112	@ 70 F	0.072 @ 62 F					
Source Rmf | Rmc	CALC.	| CALC.	CALC. | CALC.					
Rm @ BHT	0.045	@ 136 F	0.020 @ 172 F					
Rmf @ BHT	0.038	@ 136 F	0.016 @ 172 F					
Rmc @ BHT	0.060	@ 136 F	0.028 @ 172 F					

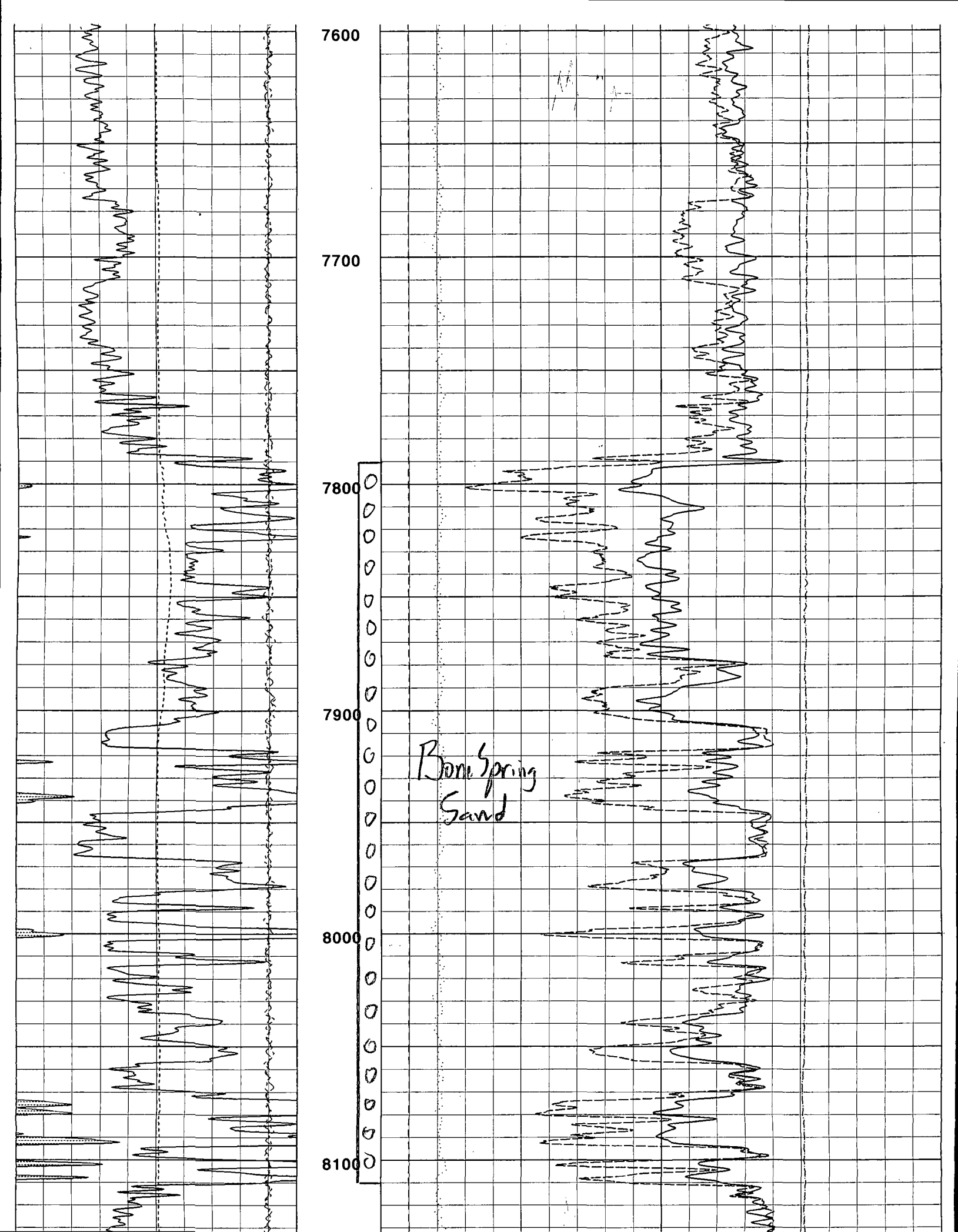
EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.	ONE	Run No.	ONE
Serial No.	035WH	Serial No.		Serial No.	AD48WH	Serial No.	A041WHIT
Model No.	GR_D4X	Model No.		Model No.	SDL_DA	Model No.	DSN_II
Diameter	3.625"	No. of Cent.		Diameter	4.5"	Diameter	3.625"
Detector Model No.	102-A	Spacing		Log Type	GAM-GAM	Log Type	NEU-NEU
Type	SCINT			Source Type	Cs 137	Source Type	Am241Be
Length	4"	LSA [Y / N]		Serial No.	1798GW	Serial No.	DSN-77
Distance to Source	15'	FWDA [Y / N]		Strength	1.5 Ci	Strength	18.5 Ci


6300
6400
6500
6600
6700
Bone Spring
Sand
SDL CALIPER
GAMMA
FAR QUALITY
NEAR QUALITY
DEN. CORR.
PE CORR
NEU POROS
TENSION
BULK DEN.


6700
6800
6900
7000
7100
7200
Bone Spring
Sand


Bone Spring Sand
7200
7300
7400
7500
7600
SDL-CALIPER
GAMMA
FAR QUALITY
NEAR QUALITY
DEN. CORR.
PE CORR
BULK DEN.
NEU POROS
TENSION


7600
7700
7800
7900
8000
8100
Bone Spring
Sand

XI.

FRESH WATER WELL ANALYSIS

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY
WATER ANALYSIS REPORT
HOBBS, NEW MEXICO

COMPANY Marbob

REPORT W03-225
DATE November 17, 2003
DISTRICT Artesia

SUBMITTED BY Tracy Fresh Water Well SE/4 SE/4 Sec. 4-22s-27e

WELL @ Pond P-4-22-27 DEPTH FORMATION
COUNTY P-4-22s-27e FIELD SOURCE

SAMPLE	11/14/2003			
Sample Temp.	67.1 °F	°F	°F	°F
RESISTIVITY	1.568			
SPECIFIC GR.	1.003			
pH	7.10			
CALCIUM	1,000 mpl	mpl	mpl	mpl
MAGNESIUM	600 mpl	mpl	mpl	mpl
CHLORIDE	1,526 mpl	mpl	mpl	mpl
SULFATES	Heavy mpl	mpl	mpl	mpl
BICARBONATES	153 mpl	mpl	mpl	mpl
SOLUBLE IRON	0 mpl	mpl	mpl	mpl
KCL	Neg			
Sodium	mpl	0 mpl	0 mpl	0 mpl
TDS	mpl	0 mpl	0 mpl	0 mpl
OIL GRAVITY	@ °F	@ °F	@ °F	@ °F

REMARKS

MPL = Milligrams per litter
Resitivity measured in: Ohm/m2/m

ANALYST: J. Thornton

Pecos River @ Carlsbad (Sec 9-22s-27e)

Analytical Laboratory Report for:

MARBOB ENERGY CORPORATION

BJ Chemical Services

Account Representative:
William D Polk

Production Water Analysis

Listed below please find water analysis report from: , Pecos River

Lab Test No:	2009104890	Sample Date:	01/26/2009
Specific Gravity:	1.007		
TDS:	9694		
pH:	7.05		

Cations:	mg/L	as:
Calcium	332	(Ca^{++})
Magnesium	126	(Mg^{++})
Sodium	406	(Na^{+})
Iron	0.04	(Fe^{++})
Potassium	5.4	(K^{+})
Barium	0.00	(Ba^{++})
Strontium	4.40	(Sr^{++})
Manganese	0.01	(Mn^{++})
Anions:	**mg/L**	**as:**
Sulfate	1050	($SO_4^{=}$)
Chloride	7770	(Cl^{-})
Gases:		
Carbon Dioxide		(CO_2)
Hydrogen Sulfide		(H_2S)

Lab Comments:

Lab measured pH

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 22S Range: 27E Sections: 3

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 01/20/2009

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y	UTM are in Meters UTM_Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (in feet) Water
C 00479	DOM	0	FRANCIS G. TRACY	C 00479		22S	27E	03		3		•			13	576919	3587082			200	

Record Count: 1

• = denotes well that is or may be within 1 mile of proposed SWD

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 22S Range: 27E Sections: 4

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

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POD / SURFACE DATA REPORT 01/20/2009

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest) X Y are in Feet (UTM are in Meters)

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (in feet) Water
C 00105	IRR	0	TRACY FRANCIS G	C 00105		22S	27E	04	4	4	4				13	576412	3586774				
C 00589	IRR	390	JOSEPHINE T. EDDY, TRUST	C 00589	Shallow	22S	27E	04	4	4	2	•			13	576412	3586974	02/28/1954	02/28/1954		
C 03193	PRO	0	PURE RESOURCES	C 00589	Shallow	22S	27E	04	4	4	2	•			13	576412	3586974	02/28/1954	02/28/1954		

Record Count: 3

• = denotes wells that are or may be within 1 mile of proposed SWD.

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 22S Range: 27E Sections: 8

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

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POD / SURFACE DATA REPORT 01/20/2009

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion (acre ft per annum)	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (in feet) Water
C 00091	IRR	90	J. H. BRYAN	C 00091		22S	27E	08	3	3	4				13	573585	3585121		05/31/1946	300	
C 00360	IRR	67.5	RUSSELL Y. SADLER	C 00360	Shallow	22S	27E	08	3	4	4				13	573990	3585125	11/15/1952	11/25/1952	125	
C 00360 A	IRR	15	EVELYN RUBY SINGLETON JOPLIN	C 00360 A	Shallow	22S	27E	08	4	3	3	•			13	574195	3585129	01/30/1965	02/06/1965	90	
C 00360 B	IRR	35.7	MILLER DARRELL	C 00360	Shallow	22S	27E	08	3	4	4				13	573990	3585125	11/15/1952	11/25/1952	125	
C 00360 BA	IRR	16.8	JAMES C. & KAREN MELVIN	C 00360	Shallow	22S	27E	08	3	4	4				13	573990	3585125	11/15/1952	11/25/1952	125	
C 00360 BB	IRR	30	JOHN E. AND LYNNE LEWIS	C 00360	Shallow	22S	27E	08	3	4	4				13	573990	3585125	11/15/1952	11/25/1952	125	
C 00412	DOM	3	HILDA B. GRIFFITH	C 00412	Shallow	22S	27E	08	4	4		•			13	574701	3585234	09/05/1951	09/21/1951	237	40
C 00444	IRR	216	W.E. PASLAY	C 00444	Shallow	22S	27E	08	3	1	3				13	573382	3585522		08/31/1947	90	
C 00444 AB	IRR	15	JULIO V. & DELIA A. MARTINEZ	C 00444	Shallow	22S	27E	08	3	1	3				13	573382	3585522		08/31/1947	90	
C 00444 AC	IRR	33.75	MANUEL P. & ELSA CHAVEZ	C 00444	Shallow	22S	27E	08	3	1	3				13	573382	3585522		08/31/1947	90	
C 01114	DOM	3	GEORGE RAYMOND	C 01114		22S	27E	08	3			•			13	573687	3585423				
C 01345	DOM	3	ERVIN GALLOWAY	C 01345		22S	27E	08	3	4		•			13	573891	3585226				
C 01554	DOM	3	H.T. LINDER	C 01554		22S	27E	08	3	3	3				13	573385	3585121				
C 01621	IRR	0	HENRY H. GRANDI	C 01621		22S	27E	08	3	1	3				13	573382	3585522		08/31/1947	82	24
C 02007	DOM	0	SAMMY & ANN CLARK	C 02007		22S	27E	08	4	4	2	•			13	574800	3585333				
C 02063	DOM	3	LINDA MASHAW	C 02063	Shallow	22S	27E	08							13	574089	3585825	06/30/1983	07/31/1983	45	25
C 02091	DOM	3	HOWARD LINDER	C 02091		22S	27E	08	3	3					13	573486	3585222				
C 02206	STK	3	SAMMY D. & ANN CLARK	C 02206	Shallow	22S	27E	08	4	4	2	•			13	574800	3585333	05/28/1991	06/01/1991	60	18
C 02525	DOM	3	MARTINEZ PORF	C 02525	Shallow	22S	27E	08	3	3	1				13	573385	3585321	05/15/1997	05/28/1997	49	17
C 02618	STK	3	WADE WHITE	C 02618	Shallow	22S	27E	08	3	1	3				13	573382	3585522	12/30/1998	01/01/1999	41	20
C 02858	STK	3	LA PALOMA LAND AND CATTLE CO	C 02858		22S	27E	08	3	4	2	•			13	573990	3585325		12/31/1939	100	
C 02885	DOM	3	JAMES D. MELVIN	C 02885	Shallow	22S	27E	08	3	4	2	•			13	573990	3585325	08/20/2004	08/20/2004	47	17
C 03084	DOM	3	MANUEL P. CHAVEZ SR.	C 03084	Shallow	22S	27E	08	4	1	3	•			13	574192	3585532	07/10/2006	07/27/2006	112	14
C 03086	DOM	3	JULIO MARTINEZ	C 03086	Shallow	22S	27E	08	3	3	2				13	573585	3585321	07/21/2005	07/28/2005	163	38
C 03117	DOM	3	JULIAN GARZA	C 03117	Shallow	22S	27E	08	3	3	1				13	573385	3585321			400	
C 03119	PRO	0	PURE PETROLEUM	C 03117	Shallow	22S	27E	08	3	3	1				13	573385	3585321			400	
C 03170	DOM	0	RUSSELL AND PHAE SADLER	C 03170		22S	27E	08	3	4	4				13	573990	3585125			100	
C 03180	DOM	0	RUSSELL OR PHAE SADLER	C 00360	Shallow	22S	27E	08	3	4	4				13	573990	3585125	11/15/1952	11/25/1952	125	
C 03183	PRO	0	MEWBOURNE OIL	C 03183	Shallow	22S	27E	08	3	3	4				13	573585	3585121				
C 03374	DOM	1	MICHAEL W WOOD	C 03374 POD1	Shallow	22S	27E	08	4	4	4	•			13	574896	3585044	04/21/2008	04/22/2008	58	30

Record Count: 30

• = denotes wells that are or may be within 1 mile of proposed SWD.

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 22S Range: 27E Sections: 9

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

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POD / SURFACE DATA REPORT 01/20/2009

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth Water (in feet)
C 00021	IRR	0	W.D. BALES	C 00021		22S	27E	09	4	3	3				13	575815	3585146				
C 00021 A	IRR	31.2	SUNSET GARDENS MEMORIAL PARK	C 00021 A	Shallow	22S	27E	09	4	4	4				13	576421	3585150	05/24/1977	06/07/1977	196	40
C 00021 AA	IRR	63.6	SUNSET MEMORIAL GARDENS PARK	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00021 AB	IRR	0	JOHNNIE OR SHARON GIOVENGO JR.	C 00021 A	Shallow	22S	27E	09	4	4	4				13	576421	3585150	05/24/1977	06/07/1977	196	40
C 00022 A	IRR	0	NORMAN ANDERSON	C 00022 A		22S	27E	09							13	575709	3585841				
C 00023	IRR	156	ALBERT CALVANI	C 00023	Shallow	22S	27E	09	3	3	3				13	575005	3585137		12/31/1930	90	35
				C 00023 S	Shallow	22S	27E	09	3	3	3				13	575005	3585137			90	
C 00023 A	IRR	0	JOSEPH E AND MARY LOU WALTERSC	C 00023	Shallow	22S	27E	09	3	3	3				13	575005	3585137		12/31/1930	90	35
C 00092	IRR	103.5	SUNSET GARDENS MEMORIAL PARK	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 A	IRR	13.71	STANCO JOE & ALICE P	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 B	IRR	13.96	WADE JIM PAT & PAULA M.	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 C	IRR	13.17	WADE WILBUR LEON & MELVA JOYCE	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 D	IRR	13.7	SMITH STANLEY A & MARY J	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 E	IRR	10.8	JONES JON W & LYNDA S	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 EA	IRR	11.31	MICHAEL M STRUM	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 EB	IRR	7.86	SUSAN E VEAZEY	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 EC	IRR	7.5	RONALD L EIDSON	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 ED	IRR	9.99	ARLENE J MCKINNEY	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 F	IRR	34.5	BILLY LINK & MARTI JO LACEWELL	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 G	IRR	114	BETTY JO GILLESPIE	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00092 H	IRR	159	J.E. OR BARBARA BUCKNER	C 00092	Shallow	22S	27E	09	3	3	4				13	575205	3585137	04/01/1954	05/31/1947	70	40
C 00571 A	IRR	28.2	SUNSET GARDENS INC.	C 00021 A	Shallow	22S	27E	09	4	4	4				13	576421	3585150	05/24/1977	06/07/1977	196	40
C 00581	IRR	0	JESSE E. BUCKNER	C 00581		22S	27E	09	4	1	3				13	575813	3585552				
C 00804	DOM	0	JESSE E. BUCKNER	C 00804		22S	27E	09	4	2	4				13	576418	3585556			150	
C 00805	DOM	0	JESSE E. BUCKNER	C 00805		22S	27E	09	4	1	3				13	575813	3585552			250	
C 00818	EXP	0	JESSE E. BUCKNER	C 00818		22S	27E	09	4	2	4				13	576418	3585556				
C 01493	PRO	3	ARD DRILLING CO.	C 01493	Shallow	22S	27E	09	3	3	2				13	575205	3585337	01/29/1973	01/30/1973	60	18
C 01820	DOM	3	JOE STANCO	C 01820		22S	27E	09	4	3	1				13	575815	3585346				
C 02374	DOM	3	BRIAN E SANTO	C 02374	Shallow	22S	27E	09	4	3					13	575916	3585247	12/22/1993	12/24/1993	54	15
C 02379	DOM	3	WALKER STEVE M	C 02379	Shallow	22S	27E	09	4	3					13	575916	3585247	01/28/1994	01/31/1994	55	20
C 02899	DOM	3	BILLY LINK LACEWELL	C 02899	Shallow	22S	27E	09	4	3	1				13	575815	3585346	11/15/2002	11/16/2002	33	22
C 02915	DOM	0	CHARLES V. VEAZEY	C 02915	Artesian	22S	27E	09	3	4	4				13	575610	3585141			100	
C 03029	DOM	3	JOE & ALICE STANCO	C 03029	Shallow	22S	27E	09	4	3					13	575916	3585247	08/13/2004	08/13/2004	45	17
C 03038	DOM	3	JOELLA B STANCO WILSON	C 03038	Shallow	22S	27E	09	1	3	4				13	575199	3585947	10/13/2005	10/14/2005	42	15
C 03243	DOM	0	J.E. BUCKNER	C 03243		22S	27E	09	4	1	3				13	575813	3585552			250	

Record Count: 35

• = denotes wells that are or maybe within 1 mile of proposed SWD

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 22S Range: 27E Sections: 10

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

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POD / SURFACE DATA REPORT 01/20/2009

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth Water (in feet)
C 00022	IRR	24	JOSEPH E. AND MARY LOU WALTERS	C 00022	Shallow	22S	27E	10	3	3	3				13	576626	3585155				
C 00076 EFF	NRT	1413.96	CITY OF CARLSBAD	C 00076 EFF	Artesian	22S	27E	10	1	4	3				13	577027	3585973				
C 00160	DOM	3	EMMA D. ENNEFER	C 00160	Shallow	22S	27E	10	3	3	2				13	576826	3585355		05/10/1948	85	40
C 00576	IRR	216	BAR W. FARMS	C 00022	Shallow	22S	27E	10	3	3	3				13	576626	3585155				
C 00576 A	IRR	120	EUGENE WALTERSCHEID	C 00022	Shallow	22S	27E	10	3	3	3				13	576626	3585155				
C 00700 A	IRR	360	JOSEPH E. AND MARY LOU WALTERS	C 00022	Shallow	22S	27E	10	3	3	3				13	576626	3585155				
C 00744	IRR	109.2	ANNETTE STANDLEY	C 00744	Shallow	22S	27E	10	4	3	3				13	577437	3585166	05/17/1957	05/22/1957	175	
C 00780	DOM	0	ANNETTE STANDLEY	C 00780		22S	27E	10	4	3	4				13	577637	3585166			200	
C 00849	DOM	0	ALBERT HEMLER	C 00849		22S	27E	10	3						13	576928	3585457			200	
C 02242	IRR	30.3	BAR W FARMS	C 00022	Shallow	22S	27E	10	3	3	3				13	576626	3585155				
C 03166	COM	0	DEVON OPERATING	C 03166	Shallow	22S	27E	10	3	3	3				13	576626	3585155				
C 03213	PRO	0	PURE	C 03166	Shallow	22S	27E	10	3	3	3				13	576626	3585155				
C 03239	STK	3	BAR W FARMS	C 03166	Shallow	22S	27E	10	3	3	3				13	576626	3585155				

Record Count: 13

• = denotes well that is or may be within 1 mile of proposed SWD

Affidavit of Publication

NO. 20543

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT being duly

sworn,says: That he is the **PUBLISHER** of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press,a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication January 25, 2009

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

25 Day January 2009

OFFICIAL SEAL
Jo Morgan
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires: 6/6/2012

Notary Public, Eddy County, New Mexico

Copy of Publication:

Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico, 88211-0227, has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Milky Way Fee 2 SWD is located 660' FNL and 660' FWL, Section 9, Township 22 South, Range 27 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware formation. The disposal water will be injected into the Bone Spring formation at a depth of 6315' to 8110' at a maximum surface pressure of 1263 psi and a maximum rate of 3000 BWPD. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227, or call 575-748-3303.

Published in the Artesia Daily Press, Artesia, New Mexico January 25, 2009
Legal 20543

marbob
energy corporation

February 23, 2009

Chevron Mid-Continent, L.P.
P. O. Box 36366
Houston, TX 77236

Attn: Todd Kratz

Re: Application to Inject
Milky Way Fee 2 SWD
Township 22 South, Range 27 East, NMPM
Section 9: 660 FNL 660 FWL
Eddy County, New Mexico

Dear Mr. Kratz:

Enclosed for your review is a copy of Marbob Energy Corporation's application to convert the referenced well into a saltwater disposal well. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure

marbob
energy corporation

February 23, 2009

Mewbourne Oil Company
500 West Texas, Ste. 1020
Midland, TX 79701

Re: Application to Inject
Milky Way Fee 2 SWD
Township 22 South, Range 27 East, NMPM
Section 9: 660 FNL 660 FWL
Eddy County, New Mexico

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application to convert the referenced well into a saltwater disposal well. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure

Post Office Box 227 • Artesia, New Mexico 88211-0227 • (575) 748-3303 • Fax (575) 746-2523

marbob
energy corporation

February 23, 2009

Elaine Mead Murphy Revocable Trust
Elaine Mead Murphy, Trustee
P. O. Box 1674
Carlsbad, NM 88211-1674

Re: Application to Inject
Milky Way Fee 2 SWD
Township 22 South, Range 27 East, NMPM
Section 9: 660 FNL 660 FWL
Eddy County, New Mexico

Dear Ms. Murphy:

Enclosed for your review is a copy of Marbob Energy Corporation's application to convert the referenced well into a saltwater disposal well. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure

marbob
energy corporation

February 23, 2009

Chesapeake Energy Corporation
P. O. Box 18496
Oklahoma City, OK 73154-0496

Re: Application to Inject
Milky Way Fee 2 SWD
Township 22 South, Range 27 East, NMPM
Section 9: 660 FNL 660 FWL
Eddy County, New Mexico

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application to convert the referenced well into a saltwater disposal well. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
June 19, 2008

WELL API NO.
30-015-22233

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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
MILKY WAY FEE

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number 2

2. Name of Operator
MARBOB ENERGY CORPORATION

9. OGRID Number
14049

3. Address of Operator P O BOX 227
ARTESIA NM 88211-0227

10. Pool name or Wildcat
CARLSBAD; ATOKA, SO (PRO GAS)

4. Well Location
Unit Letter D : 660 feet from the NORTH line and 660 feet from the WEST line
Section 9 Township 22S Range 27E NMPM EDDY County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3105' GR

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	☐						
OTHER: CONVERT TO SWD	☒			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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

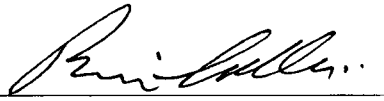
MARBOB ENERGY CORPORATION PROPOSES TO SET CIBP + 35' CMT ABV MORROW (11100'), ATOKA (10610') AND STRAWN (10100') PERFS, SET CIBP + 35' CMT @TOP OF WOLFCAMP (8900'), CUT AND PULL 4 ½" CSG F/APPX 7100' AND CONVERT TO SALT WTR DISPOSAL SERVICE INTO THE BONE SPRING FROM 7790-8110', 7100-7290' AND 6315-6600'.

SEE ATTACHED OCD FORM C-108 "APPLICATION FOR AUTHORIZATION TO INJECT."

APD WILL BE SUBMITTED AFTER C-108 IS APPROVED BY NMOCD.

WE ALSO PROPOSE TO CHANGE THE NAME OF THE WELL
FROM: MILKY WAY FEE #2
TO: MILKY WAY FEE 2 SWD

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

SIGNATURE  TITLE PETROLEUM ENGINEER DATE 02/23/09

Type or print name BRIAN COLLINS E-mail address: bcollins@marbob.com PHONE: 575-748-3303

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any):

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

DW Milky Way

ATTN TODD KRATZ
CHEVRON MID-CONTINENT LP
P O BOX 36366
HOUSTON TX 77236

PS Form 3800, June 2002 — See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

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DW Milky Way

Sent To
Street, or PO B
City, St

MEWBOURNE OIL COMPANY
500 W TEXAS STE 1020
MIDLAND TX 79701

PS Form 3800, June 2002 — See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

DW Milky Way

Sent To
Sti
or
Cit

CHESAPEAKE ENERGY CORPORATION
P O BOX 18496
OKLAHOMA CITY OK 73154-0496

PS Form 3800, June 2002 — See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

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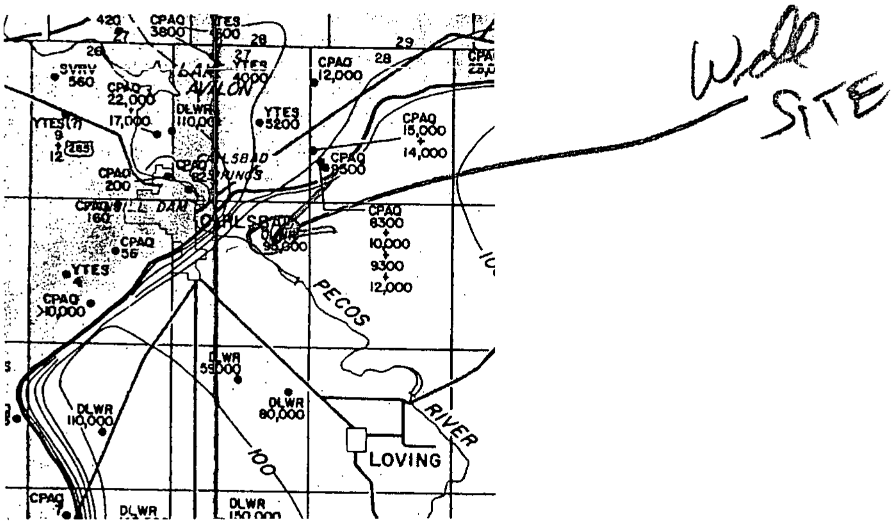
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

DW Milky Way

ELAINE MEAD MURPHY REVOCABLE TRUST
ELAINE MEAD MURPHY TRUSTEE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CPAQ 9500
CPAQ 200
CPAQ 160
CPAQ 56
YTES 4
CPAQ >10,000
CPAQ 8300
10,000
9300
12,000
PECOS
RIVER
DLWR 55,000
DLWR 80,000
DLWR 110,000
100
LOVING

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Thursday, March 12, 2009 3:07 PM
To: 'Brian Collins'
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Brooks, David K., EMNRD; Reeves, Jacqueta, EMNRD
Subject: Disposal application from Marbob: Milky Way Fee #2 30-015-33150 Lower Bone Spring Disposal Unit D, Sec 9, T22S, R27E, Eddy County

Hello Brian: (If possible, please reply by March 20 – end of next week.)

Application looks good except for discussion of productivity of the Bone Spring and the fact that the two plugged wells do not isolate the upper Bone Spring from this proposed lower Bone Spring injection interval. I found a recent sundry in the well file proposing to test this lower Bone Spring interval, but nothing in the files showing the test was done.

It seems these Bone Spring sands are permeable, at least it looks like drilling invasion on the resistivity logs. There are other sands above the proposed sand injection intervals, and these upper sands are all higher in resistivity than the proposed disposal interval. Was the upper Bone Spring never considered for testing? The interval from 5260 to 5320 - which is close to the top of the Bone Spring – is interesting. Is it wet or tight?

Would you send a brief discussion about productivity of the Bone Spring – ideally, send a copy of the mudlog, or your log calculations:

1) From the top of the Bone Spring at 5200 feet to the 6300 feet proposed injection interval; and
2) Within the proposed three injection sand intervals in the Lower Bone Spring.

Thank You for this, and hope all is well,

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

Jones, William V., EMNRD

SWD 1171

From: Brian Collins [bcollins@marbob.com]
Sent: Tuesday, March 24, 2009 2:04 PM
To: Jones, William V., EMNRD
Subject: Re: Disposal application from Marbob: Milky Way Fee #2 30-015-33150 Lower Bone Spring Disposal Unit D, Sec 9, T22S, R27E, Eddy County

Will: I haven't forgotten about you on this C108. I've been on vacation. I'll get started on your request this week. Take care. Hope all is well with you. ---Brian Collins

----- Original Message -----
From: Jones, William V., EMNRD
To: Brian Collins
Cc: Ezeanyim, Richard, EMNRD ; Warnell, Terry G, EMNRD ; Brooks, David K., EMNRD ; Reeves, Jacqueta, EMNRD
Sent: Thursday, March 12, 2009 3:06 PM
Subject: Disposal application from Marbob: Milky Way Fee #2 30-015-33150 Lower Bone Spring Disposal Unit D, Sec 9, T22S, R27E, Eddy County

Hello Brian: (If possible, please reply by March 20 – end of next week.)

Application looks good except for discussion of productivity of the Bone Spring and the fact that the two plugged wells do not isolate the upper Bone Spring from this proposed lower Bone Spring injection interval. I found a recent sundry in the well file proposing to test this lower Bone Spring interval, but nothing in the files showing the test was done.

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Would you send a brief discussion about productivity of the Bone Spring – ideally, send a copy of the mudlog, or your log calculations:

1) From the top of the Bone Spring at 5200 feet to the 6300 feet proposed injection interval; and
2) Within the proposed three injection sand intervals in the Lower Bone Spring.

Thank You for this, and hope all is well,

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

marbob
energy corporation

RECEIVED
2009 MAR 27 PM 2 18

March 24, 2009

New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Attention: Mr. Will Jones

RE: C-108 SWD Application
Milky Way Fee 2
Request for Additional Bone Spring Data

Dear Will:

I've attached copies of the mudlog and open hole logs from 5200' to 8100' as you requested. I've done water saturation calculations and placed them on the neutron-density log. As shown on the logs and mudlog, the lithology of the Upper Bone Spring is composed of low permeability limestone and silicic shale. The uppermost sandstone is the 1st Bone Spring Sand at 6302'.

There are mudlog shows in 1st and 2nd Bone Spring Sands and it is our intent to test these sands for commercial oil and gas potential. If these sands prove non-commercial, we want to convert this well to SWD service as described in our application. This is a very high risk workover because there is no Bone Spring production in this area - therefore we want to have an approved C-108 in hand before doing the workover so we know we can use this well for SWD service if the Bone Spring Sands are non-commercial. Our decision to do the Bone Spring Sand workover will likely be contingent on having an approved C-108.

Concerning the two plugged wells within the area of review, there are no Bone Spring Sands above the 1st Sand at approximately 6300'. The Bone Spring above the 1st Sand is composed of tight limestone and silicic shale and it is unlikely that it could take water if in communication with the 1st Sand through the wellbore of one of the plugged wells in the area of review. The Esperanza 3 (N-4-22S-27E) has two cement plugs in the Bone Spring above the 1st Sand (5751-5850', 5090-5200'). The Union Mead Fee 1 (H-8-22S-27E) has one cement plug in the Bone Spring above the 1st Sand (5200').

Post Office Box 227 ◦ Artesia, New Mexico 88211-0227 ◦ (575) 748-3303 ◦ Fax (575) 746-2523

If you have additional questions or need more information, please contact me at 575-748-3303 or bcollins@marbob.com.

Sincerely,

Brian Collins
Engineer

BC/dlw
attachments

Easy Work

HALLIBURTON

SPECTRAL DENSITY
DUAL SPACED NEUTRON
COMPOSITE RUNS 1 & 2

COMPANY MARBOB ENERGY CORPORATION

WELL MILKY WAY FEE No. 2

FIELD CARLSBAD SOUTH - MORROW

COUNTY EDDY STATE NM

API No. 30-015-33150
Location 660' FNL AND 660' FWL
Sect 9 Twp 22S Rge ~~26E~~ 27E

Other Services
DLL/MGRD

Permanent Datum	GROUND LEVEL	Elev.	3105'
Log measured from	K.B.	17	ft. above perm. datum
Drilling measured from	KELLY BUSHING		

Elev.:	K.B.	3122'	
	D.F.	3121'	
	G.L.	3105'	

Date	JAN 22 2004	FEB 04 2004	
Run No.	ONE	TWO	
Depth – Driller	9000'	11830'	
Depth – Logger	8990'	11804'	
Bottom – Logged Interval	8939'	11753'	
Top – Logged Interval	200'	8987'	
Casing – Driller	9.625 @ 1712'	7" @ 9000'	@
Casing – Logger	1707'	8987'	
Bit Size	8.75"	6.125"	
Type Fluid in Hole	SALT GEL	KCL-POLYMER	
Dens. | Visc.	9.2 | 28	10.3 | 34	|
Ph | Fluid Loss	10.5 | N/C	11 | 5	|
Source of Sample	MUD PITS	MUD PITS	
Rm @ Meas. Temp.	0.083 @ 70 F	0.052 @ 62 F	@
Rmf @ Meas. Temp.	0.071 @ 70 F	0.041 @ 62 F	@
Rmc @ Meas. Temp.	0.112 @ 70 F	0.072 @ 62 F	@
Source Rmf | Rmc	MEAS. | MEAS.	MEAS. | MEAS.	|
Rm @ BHT	0.045 @ 136 F	0.020 @ 174 F	@
Time Since Circ.	1600 1-21	2000 2-3	
Time on Bottom	0246 1-22	0430 2-4	
Max. Rec. Temp.	136 F @ T.D.	174 F @ T.D.	@
Equip. | Location	388 | HBNM	388 | HBNM	|
Recorded By	C MERCADO	C MERCADO	
Witnessed By	MR. MAY	MR. JOYCE	

Fold Here

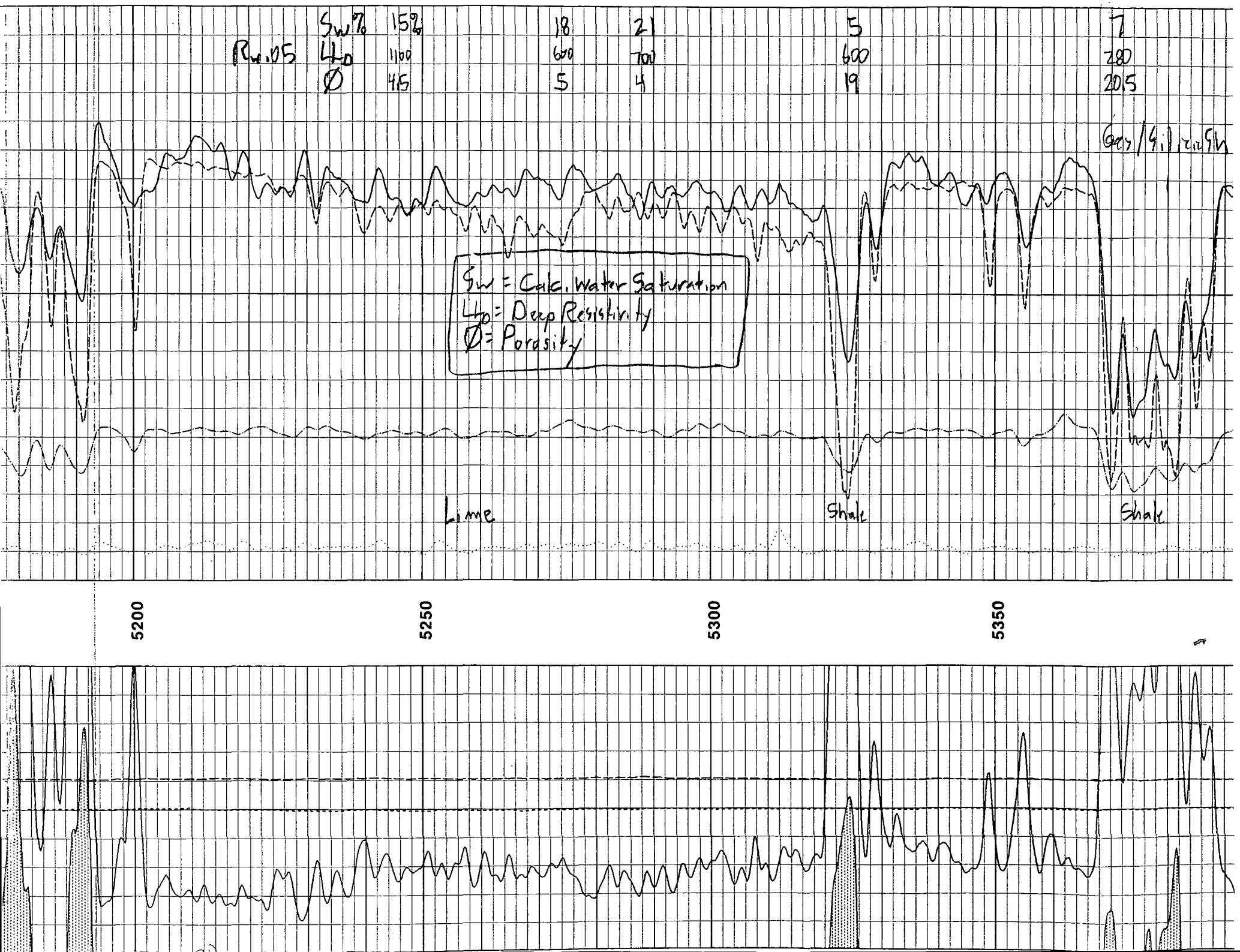
Service Ticket No.:	2873604	API Serial No.:	30-015-33150	PGM Version:	XL v5.0

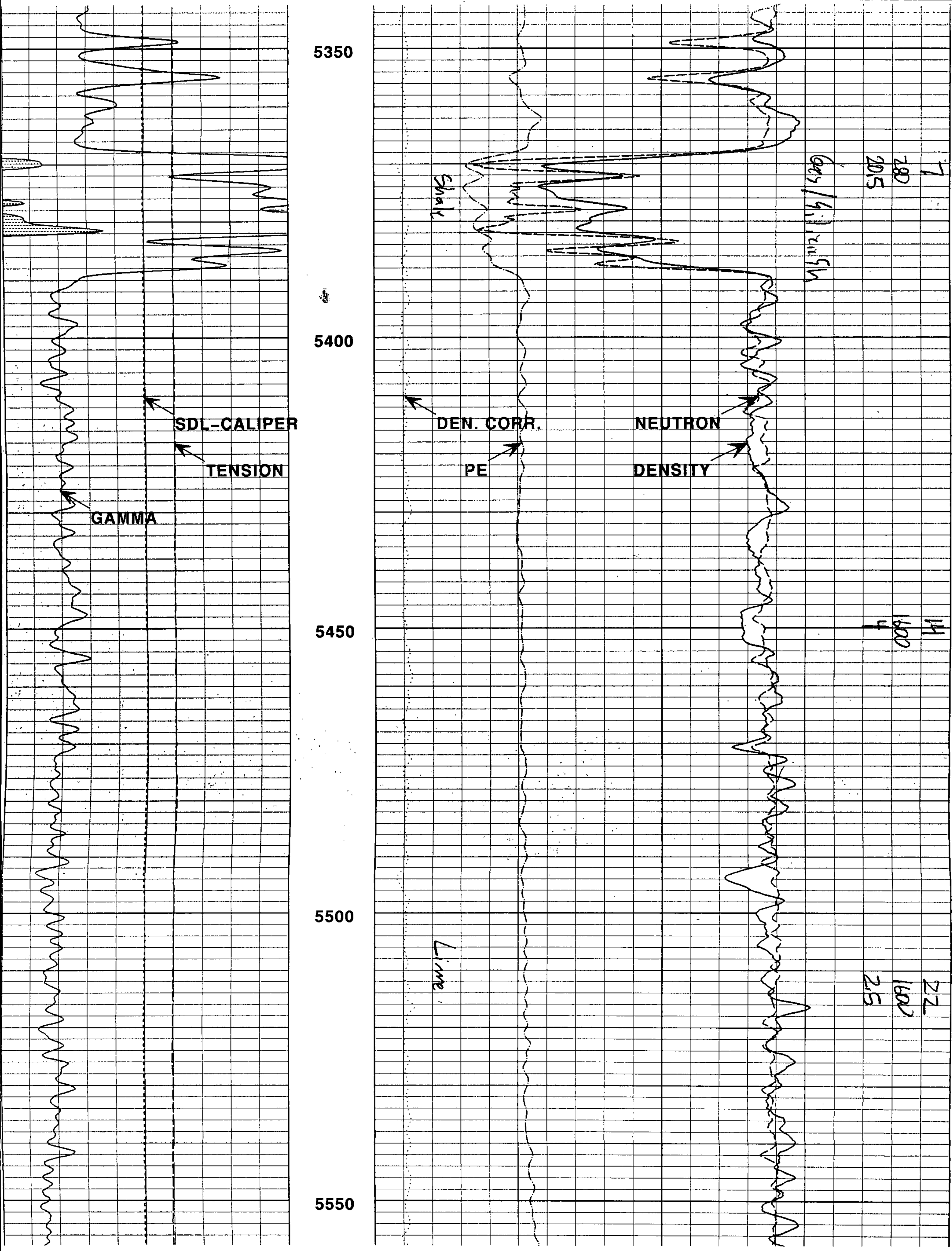
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES				RESISTIVITY SCALE CHANGES			
Date | Sample No.	|		|	Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth – Driller							
Type Fluid							
in Hole							
Dens. | Visc.	|		|				
Ph | Fluid Loss	|		|				
Source of Sample				RESISTIVITY EQUIPMENT DATA			
Rm @ Meas. Temp.	0.083	@ 70 F	0.052 @ 62 F	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
Rmf @ Meas. Temp.	0.071	@ 70 F	0.041 @ 62 F					
Rmc @ Meas. Temp.	0.112	@ 70 F	0.072 @ 62 F					
Source Rmf | Rmc	CALC.	| CALC.	CALC. | CALC.					
Rm @ BHT	0.045	@ 136 F	0.020 @ 172 F					
Rmf @ BHT	0.038	@ 136 F	0.016 @ 172 F					
Rmc @ BHT	0.060	@ 136 F	0.028 @ 172 F					

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.	ONE	Run No.	ONE
Serial No.	035WH	Serial No.		Serial No.	AD48WH	Serial No.	A041WHIT
Model No.	GR_D4X	Model No.		Model No.	SDL_DA	Model No.	DSN_II
Diameter	3.625"	No. of Cent.		Diameter	4.5"	Diameter	3.625"
Detector Model No.	102-A	Spacing		Log Type	GAM-GAM	Log Type	NEU-NEU
Type	SCINT			Source Type	Cs 137	Source Type	Am241Be
Length	4"	LSA [Y / N]		Serial No.	1798GW	Serial No.	DSN-77
Distance to Source	15'	FWDA [Y / N]		Strength	1.5 Ci	Strength	18.5 Ci

LOGGING DATA


Sw% 15% 18 21 5 7
Rw.05 Rt 1100 660 700 600 280
Ø 4.5 5 4 19 20.5
Sw = Calc. Water Saturation
Rt = Deep Resistivity
Ø = Porosity
Lime
Shale
Shale
5200
5250
5300
5350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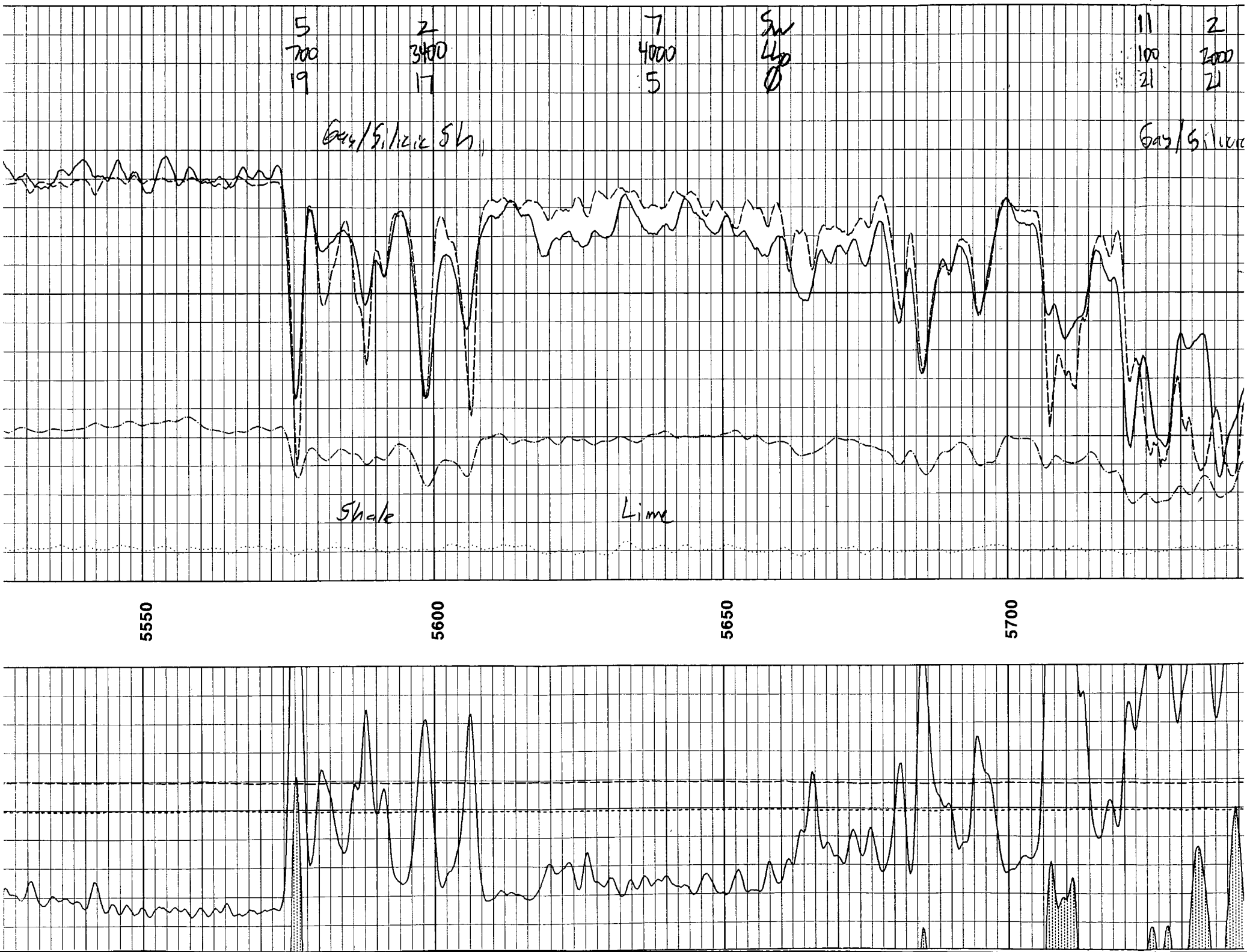
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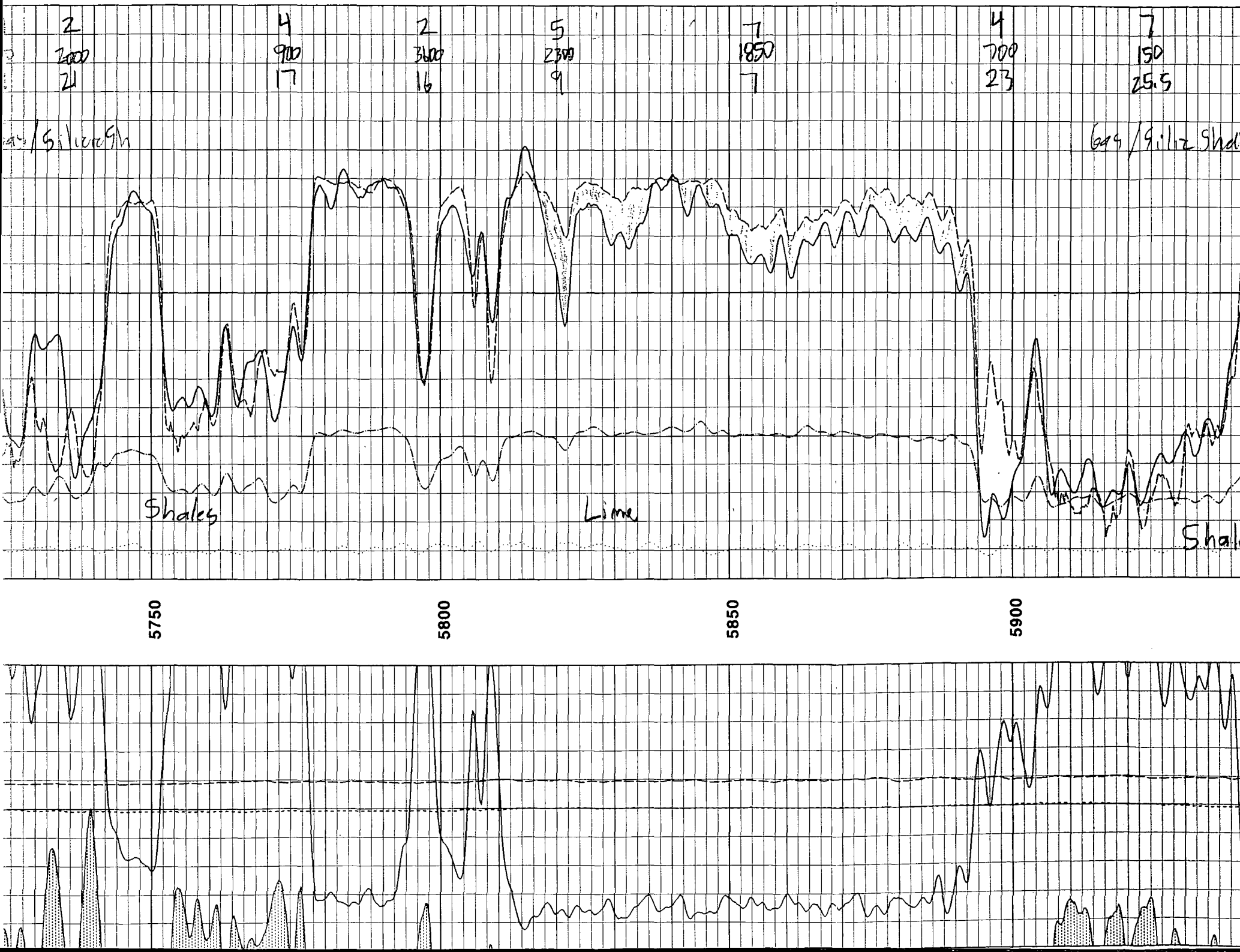
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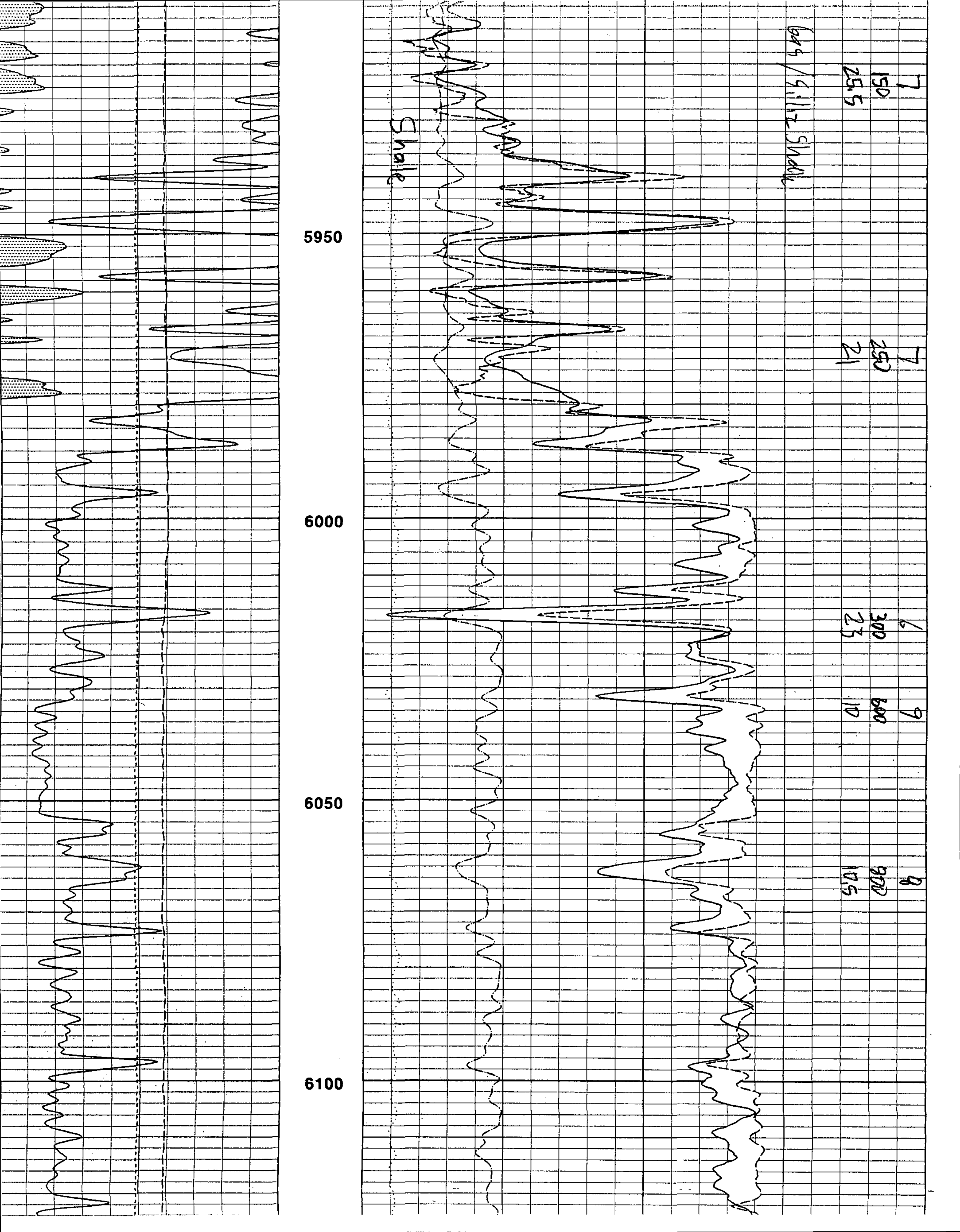

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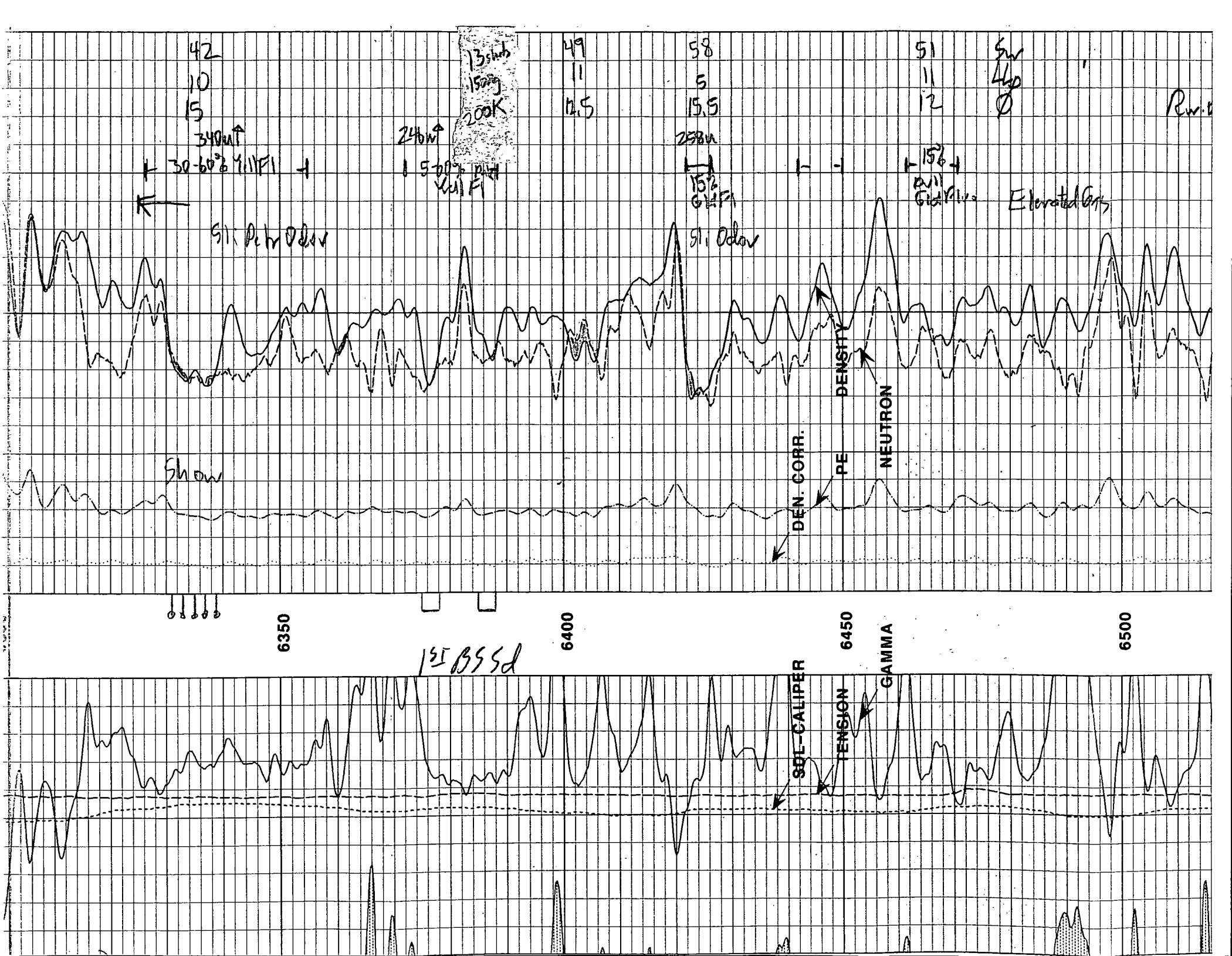
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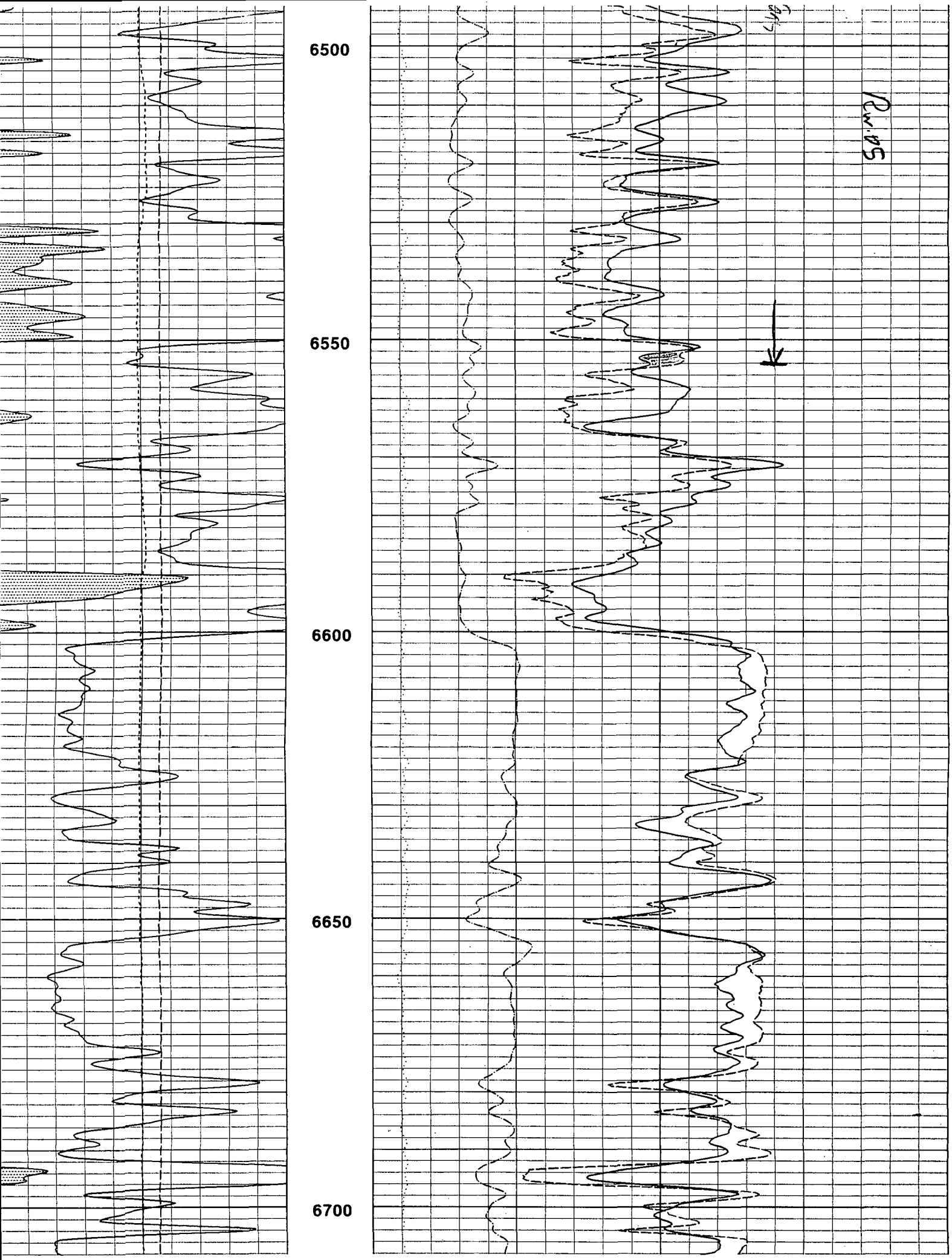
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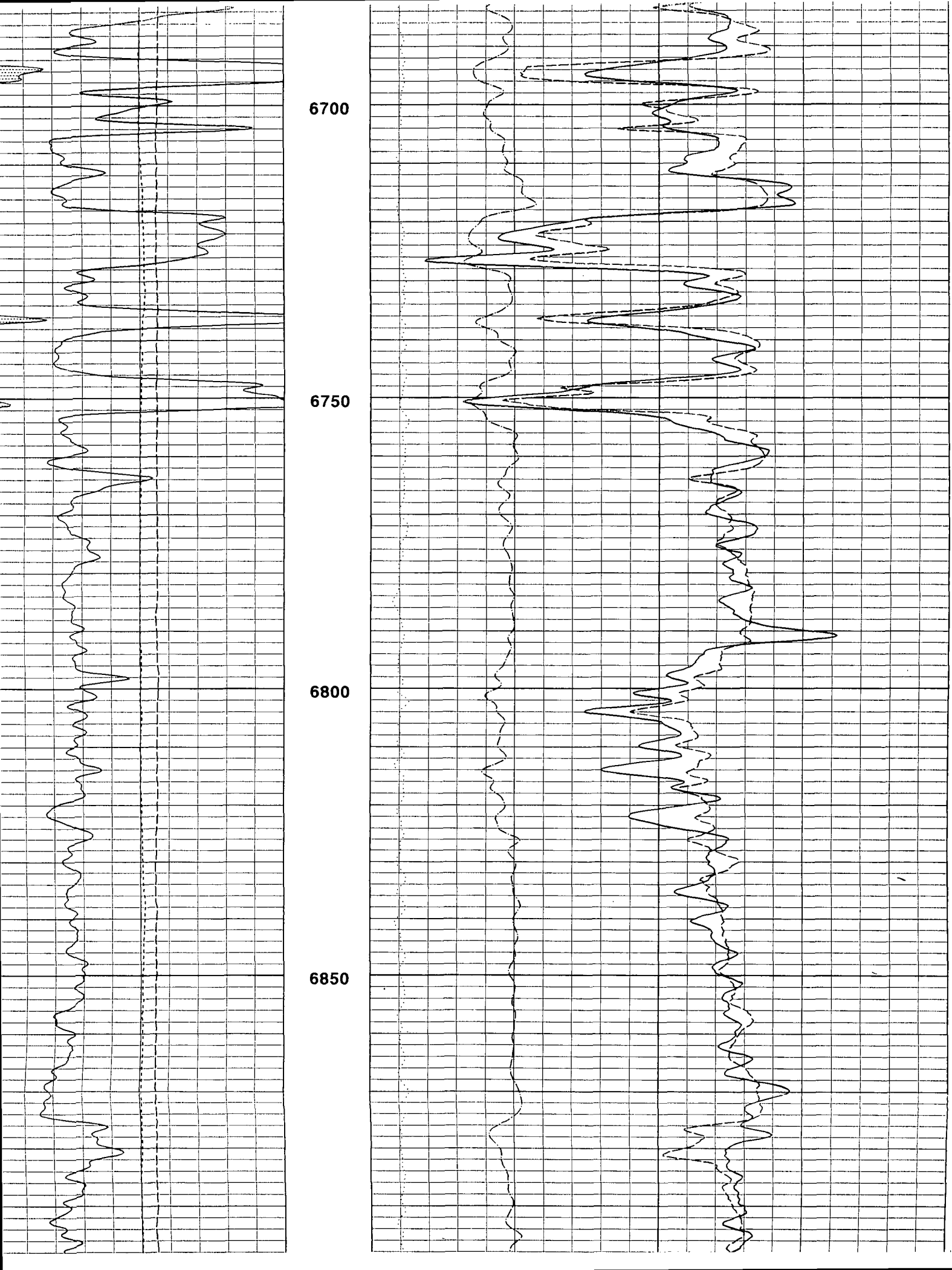
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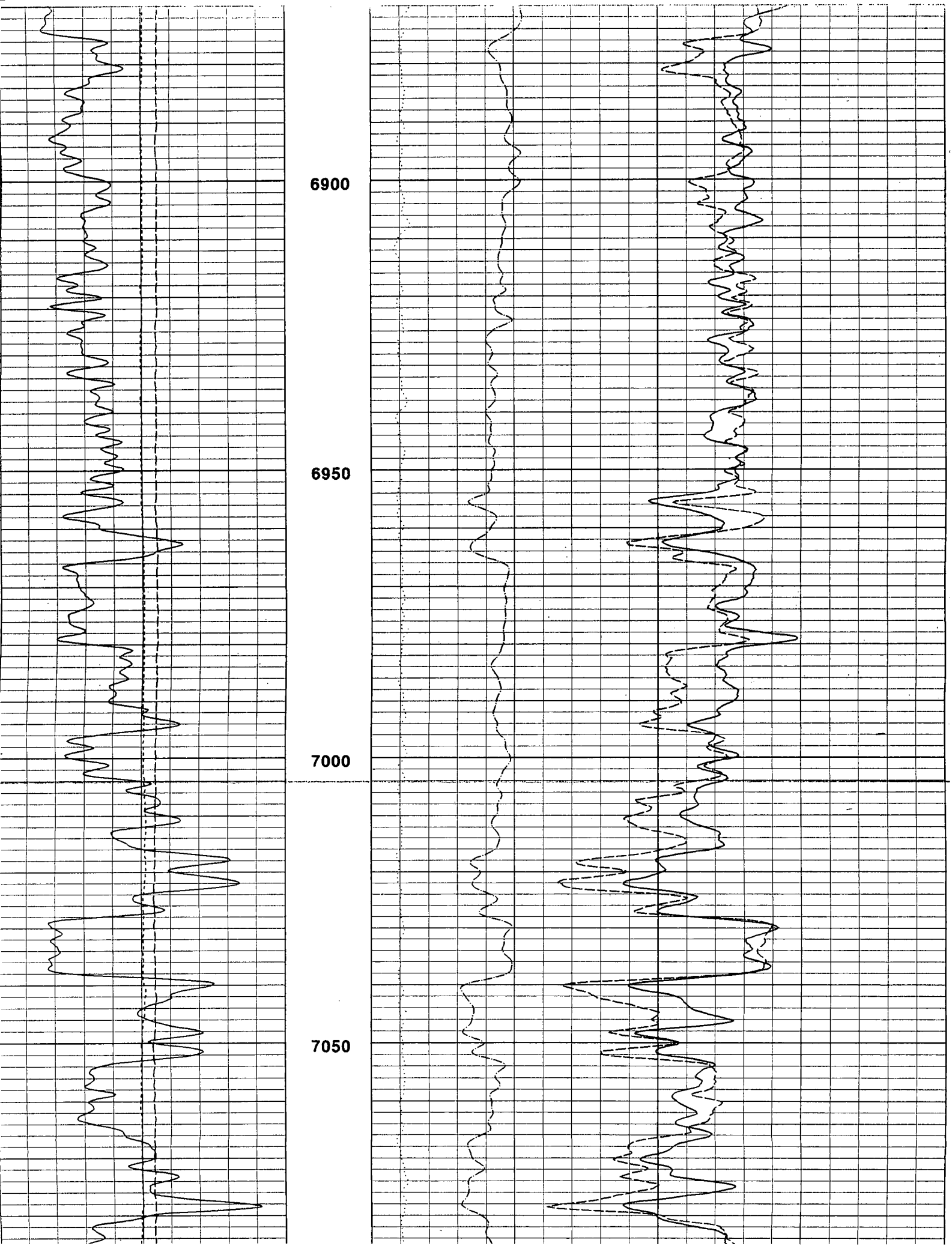
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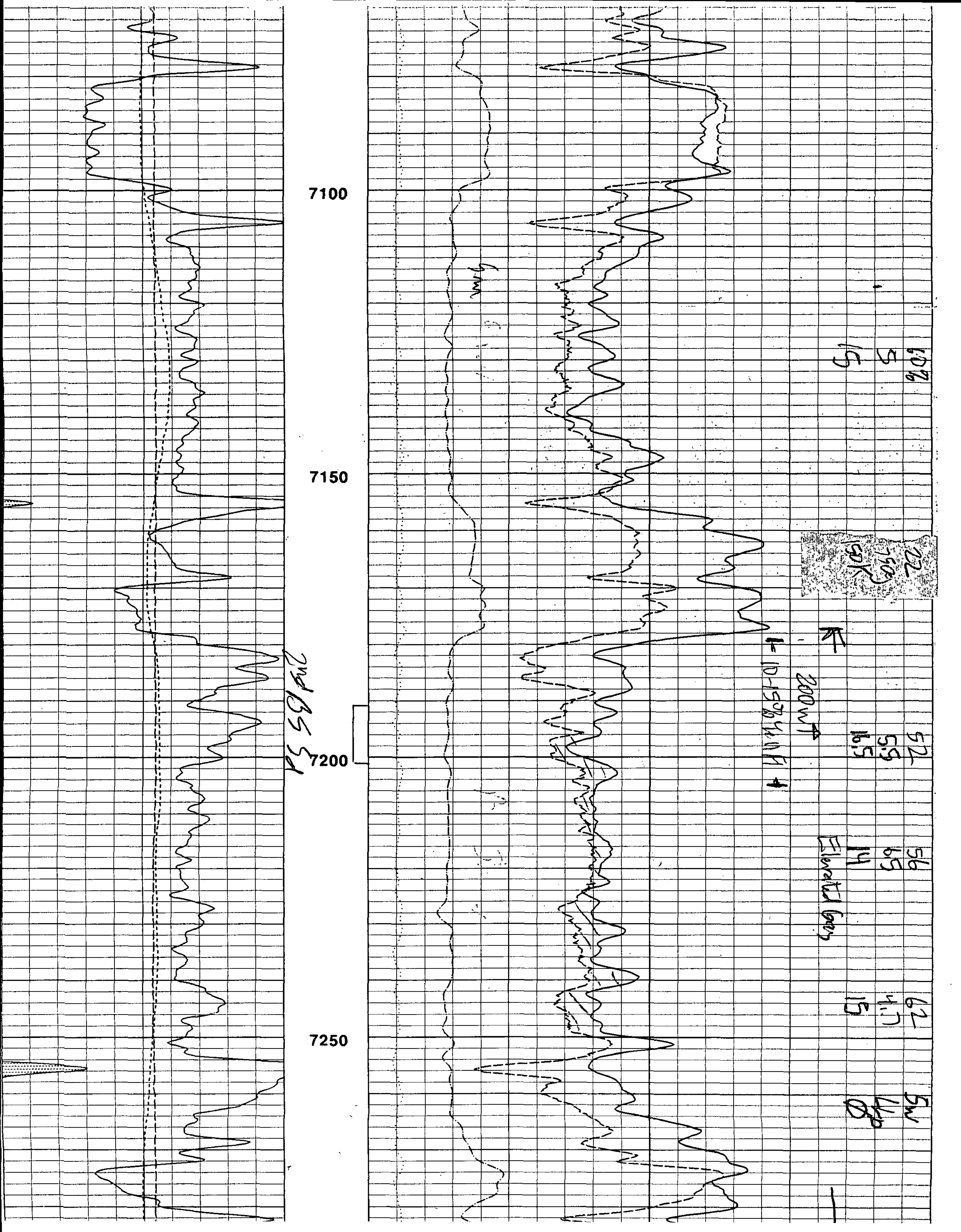
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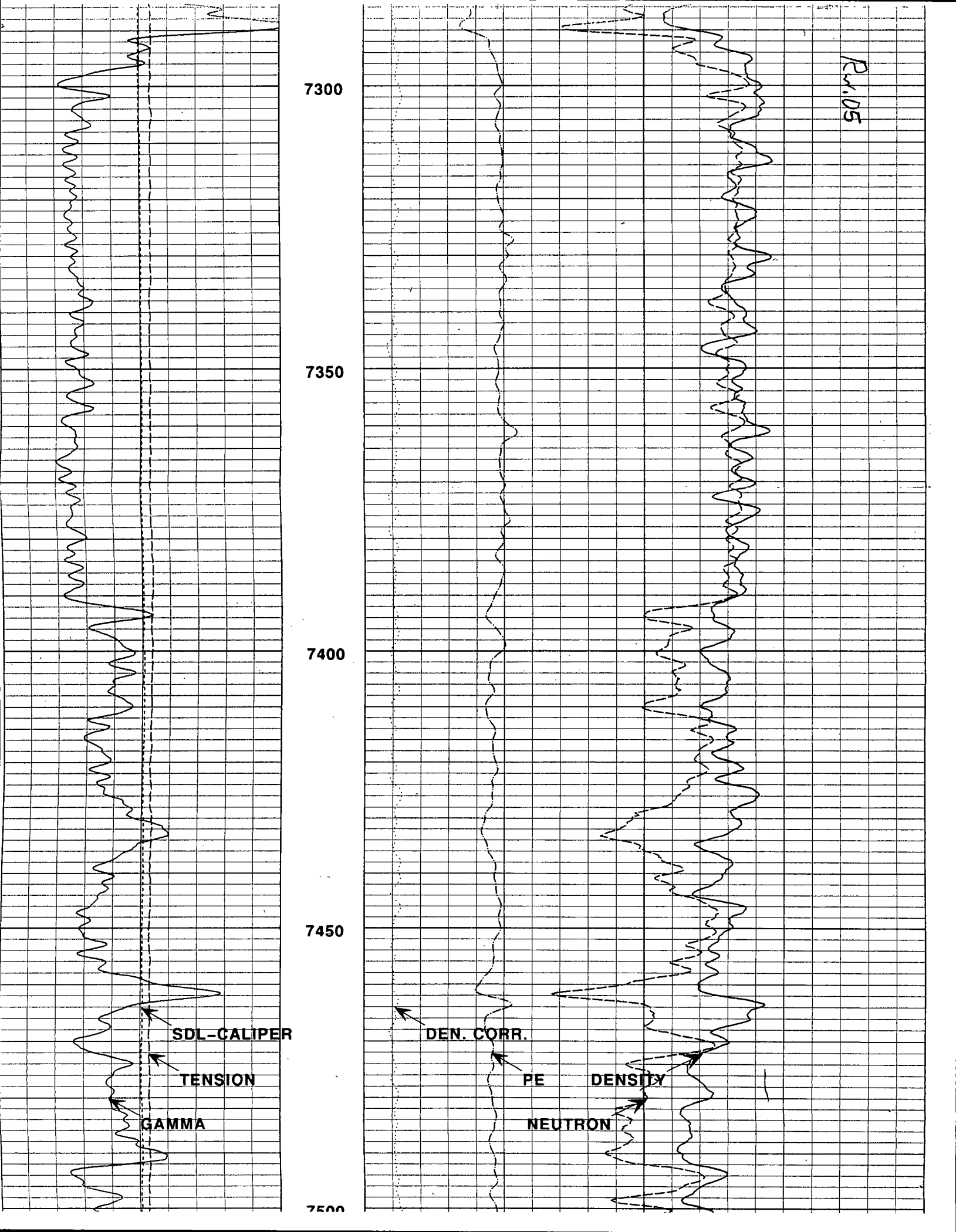
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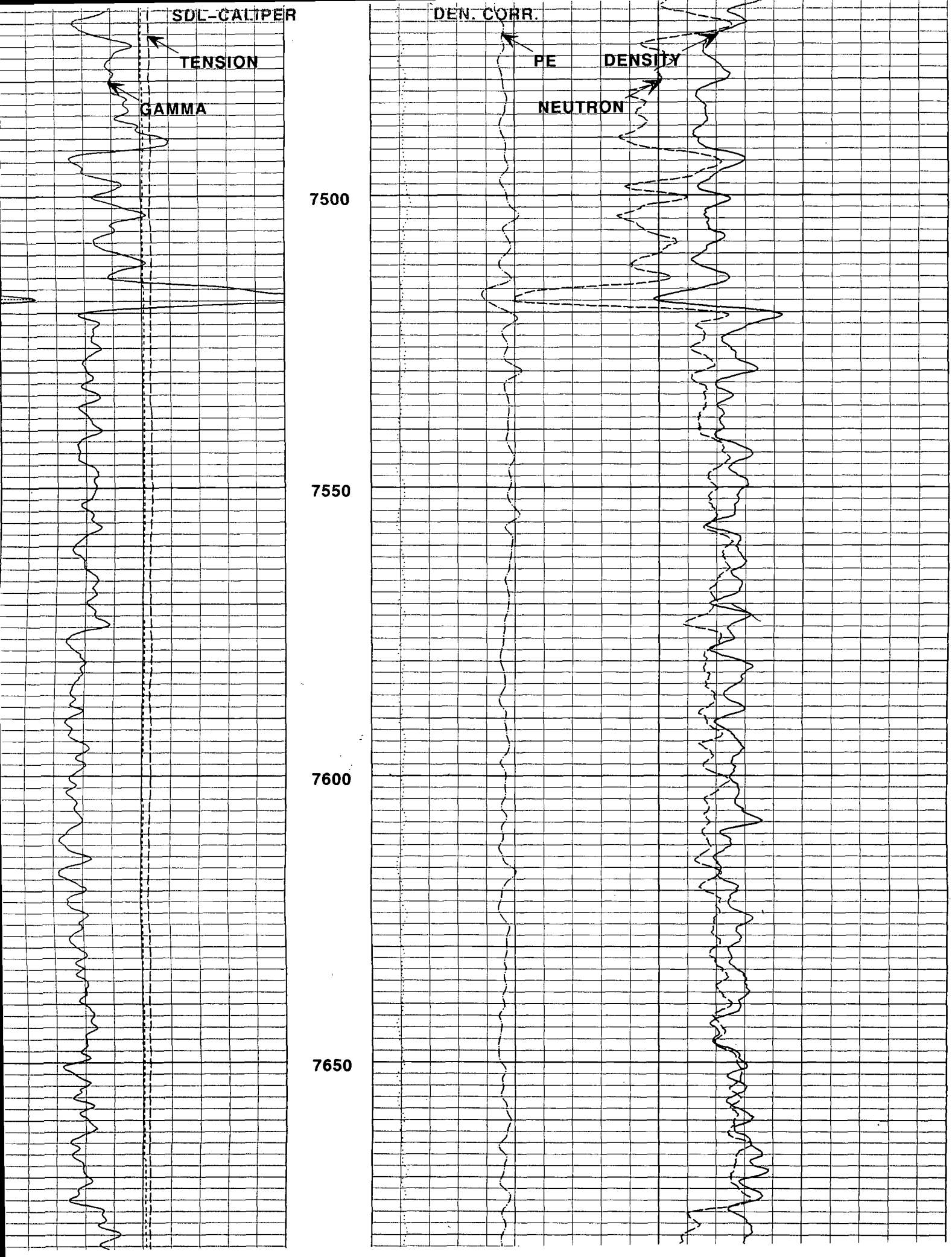
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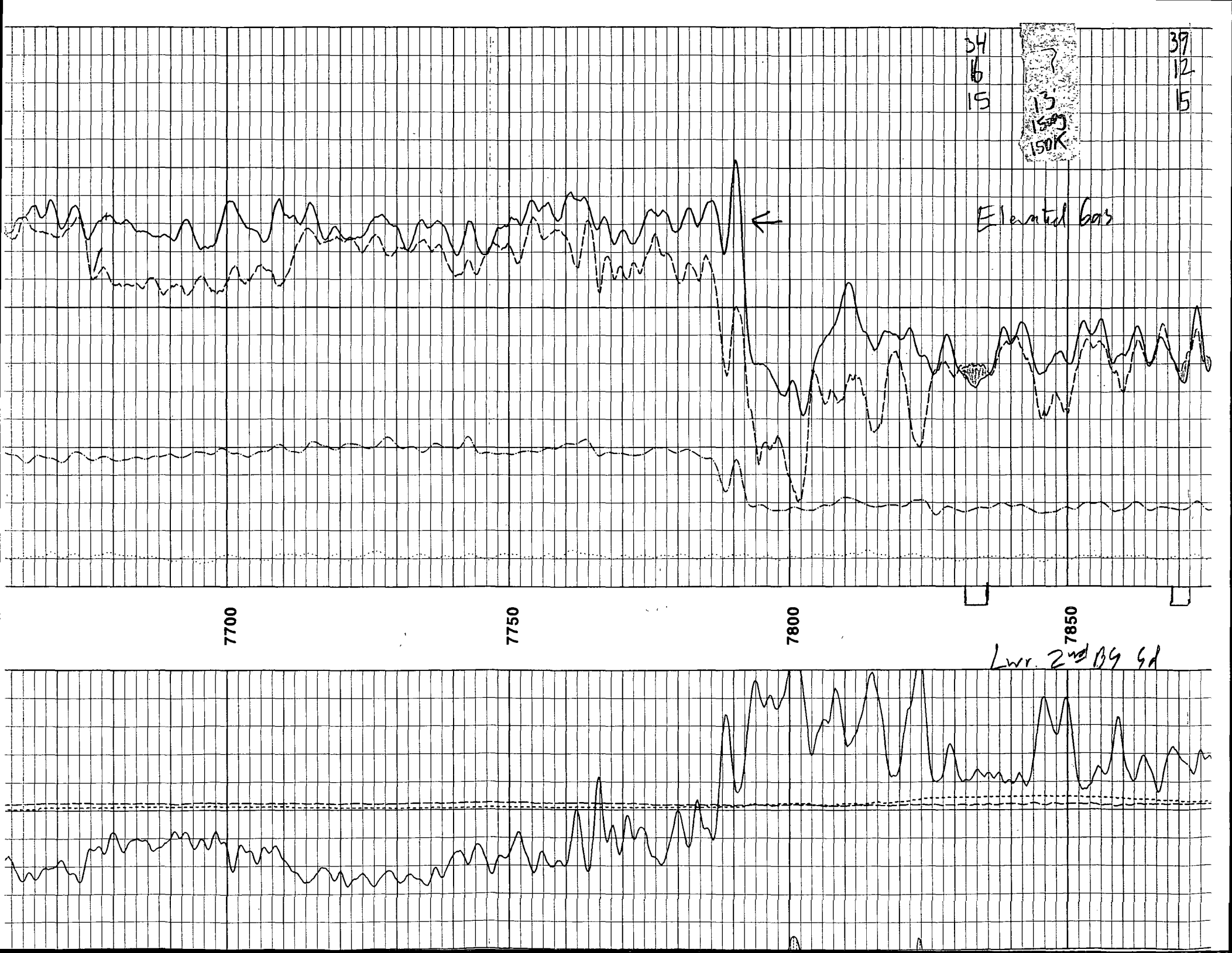
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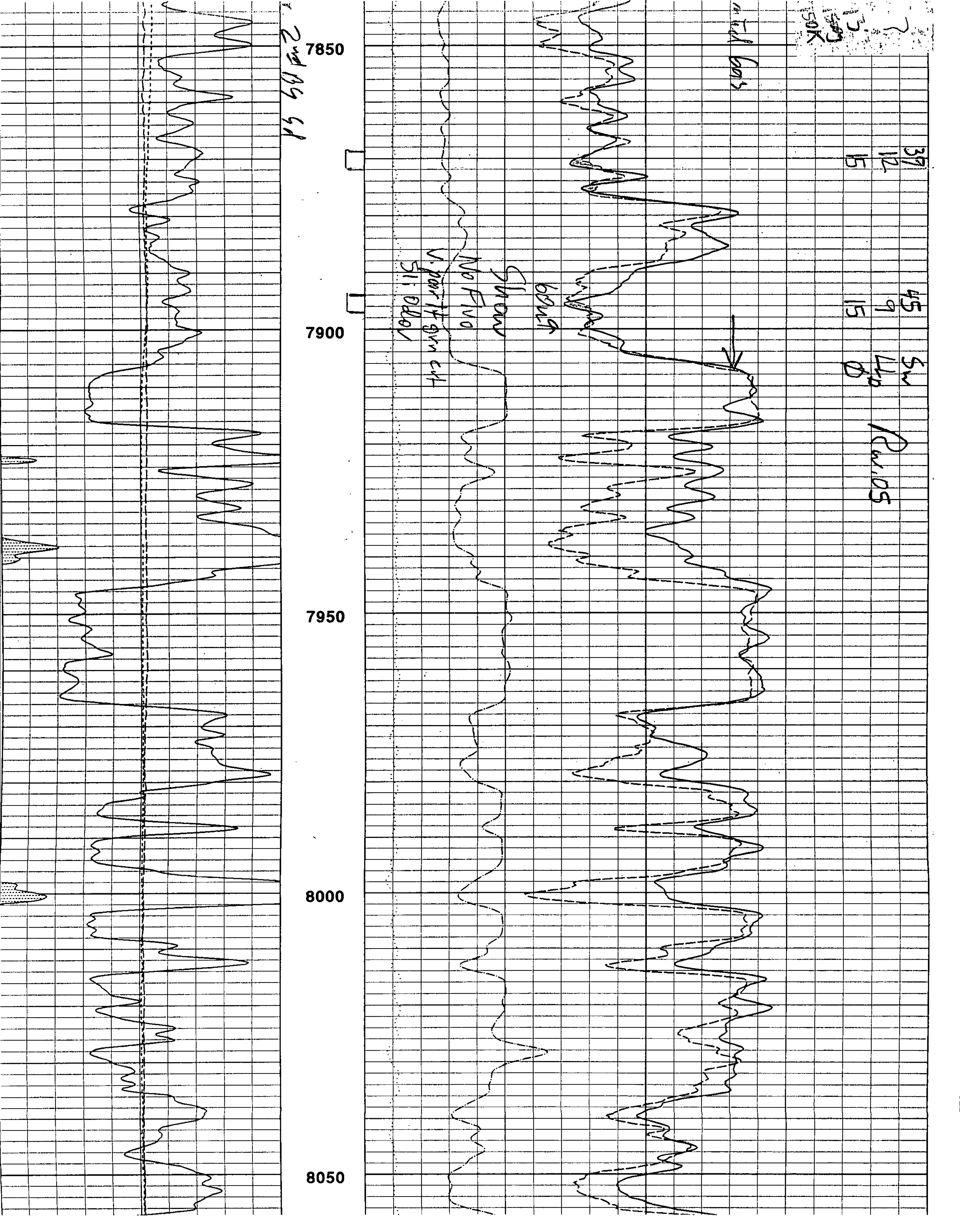
Lwr. 2nd BS Sd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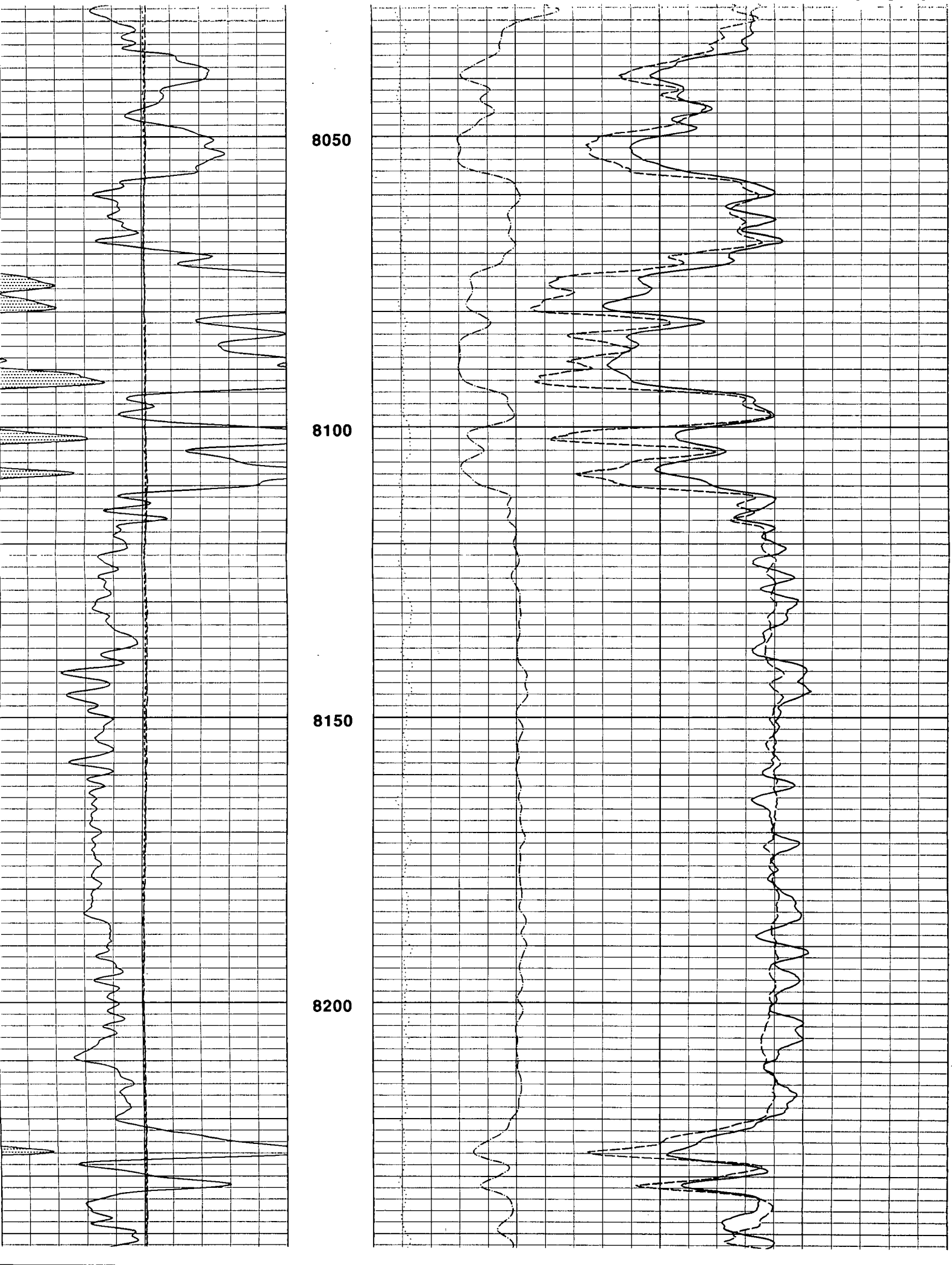
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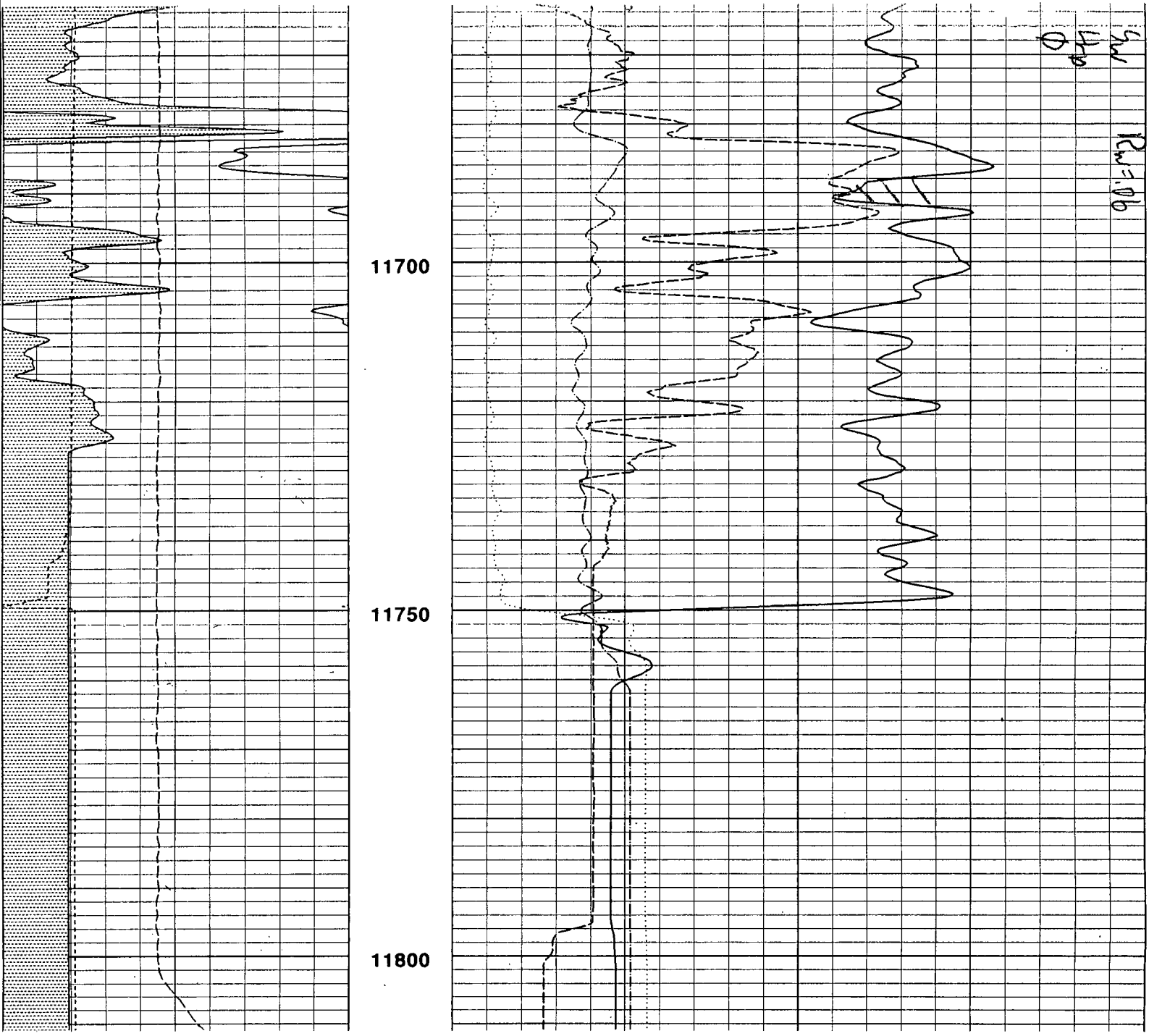

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Plot Time: 2004-02-04 11:28:23

HALLIBURTON

Top Depth: 184.75

Engr Work

HALLIBURTON

DUAL LATEROLOG
MICRO-GUARD
COMPOSITE RUNS 1 & 2

COMPANY MARBOB ENERGY CORPORATION
WELL MILKY WAY FEE No. 2
FIELD CARLSBAD SOUTH - MORROW
COUNTY EDDY STATE NM

COMPANY MARBOB ENERGY CORPORATION

WELL MILKY WAY FEE No. 2

FIELD CARLSBAD SOUTH - MORROW

COUNTY EDDY STATE NM

API No. 30-015-33150
Location 660' FNL AND 660' FWL

Other Services
DSN/SDL

Sect 9 Twp 22S Rge ~~26~~ 27E

Permanent Datum GROUND LEVEL Elev 3105'

Log measured from K.B. , 17 ft. above perm. datum

Drilling measured from KELLY BUSHING

Elev. : K.B. 3122'
D.F. 3121'
G.L. 3105'

Date	JAN 22 2004	FEB 04 2004		
Run No.	ONE	TWO		
Depth – Driller	9000'	11830'		
Depth – Logger	8990'	11804'		
Bottom – Logged Interval	8988'	11802'		
Top – Logged Interval	1707'	8987'		
Casing – Driller	9.625 @ 1712'	7" @ 9000'	@	@
Casing – Logger	1707'	8987'		
Bit Size	8.75"	6.125"		
Type Fluid in Hole	SALT GEL	KCL-POLYMER		
Dens. | Visc.	9.2 | 28	10.3 | 34	|	|
Ph | Fluid Loss	10.5 | N/C	11 | 5	|	|
Source of Sample	MUD PITS	MUD PITS		
Rm @ Meas. Temp.	0.083 @ 70 F	0.052 @ 62 F	@	@
Rmf @ Meas. Temp.	0.071 @ 70 F	0.041 @ 62 F	@	@
Rmc @ Meas. Temp.	0.112 @ 70 F	0.072 @ 62 F	@	@
Source Rmf | Rmc	MEAS. | MEAS.	MEAS. | MEAS.	|	|
Rm @ BHT	0.045 @ 136 F	0.020 @ 174 F	@	@
Time Since Circ.	1600 1-21	2000 2-3		
Time on Bottom	0246 1-22	0430 2-4		
Max. Rec. Temp.	136 F @ T.D.	174 F @ T.D.	@	@
Equip. | Location	388 | HBNM	388 | HBNM	|	|
Recorded By	C MERCADO	C MERCADO		
Witnessed By	MR. MAY	MR. JOYCE		

Fold Here

Service Ticket No.: 2873604 API Serial No.: 30-015-33150 PGM Version: XL v5.0

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES

Date | Sample No.	|	|		
Depth – Driller				
Type Fluid in Hole				
Dens. | Visc.	|	|		
Ph | Fluid Loss	|	|		
Source of Sample				
Rm @ Meas. Temp.	0.083 @ 70 F	0.052 @ 62 F	ONE	DLLT/113629BL
Rmf @ Meas. Temp.	0.071 @ 70 F	0.041 @ 62 F	ONE	DLLT/113629BL
Rmc @ Meas. Temp.	0.112 @ 70 F	0.072 @ 62 F	ONE	MGRD/624PU
Source Rmf | Rmc	CALC. | CALC.	CALC. | CALC.	TWO	DLLT/113629BL
Rm @ BHT	0.045 @ 136 F	0.020 @ 172 F	TWO	MGRD/624PU
Rmf @ BHT	0.038 @ 136 F	0.016 @ 172 F		
Rmc @ BHT	0.060 @ 136 F	0.028 @ 172 F		

RESISTIVITY SCALE CHANGES

	Type Log	Depth	Scale Up Hole	Scale Down Hole
	|			
	|			

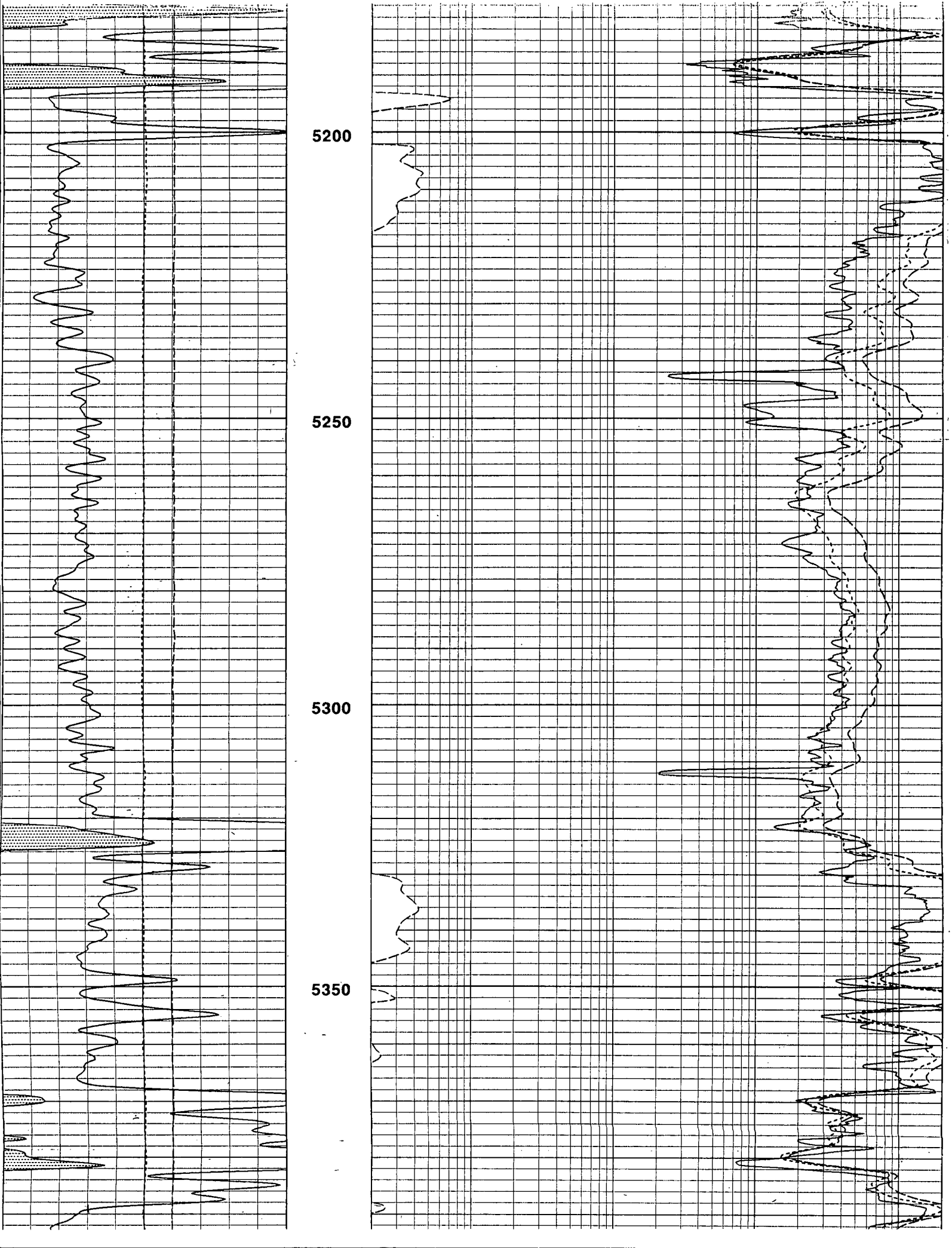
RESISTIVITY EQUIPMENT DATA

	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
	ONE	DLLT/113629BL	N/A	CENT	NA
	ONE	MGRD/624PU	RUBBER	ADJ	NA
	TWO	DLLT/113629BL	N/A	CENT	NA
	TWO	MGRD/624PU	RUBBER	ADJ	NA

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.		Run No.	
Serial No.	035WH	Serial No.		Serial No.		Serial No.	
Model No.	GR_D4X	Model No.		Model No.		Model No.	
Diameter	3.625"	No. of Cent.		Diameter		Diameter	
Detector Model No.	102-A	Spacing		Log Type		Log Type	
Type	SCINT			Source Type		Source Type	
Length	4"	LSA [Y/N]		Serial No.		Serial No.	
Distance to Source	15'	FWDA [Y/N]		Strength		Strength	

LOGGING DATA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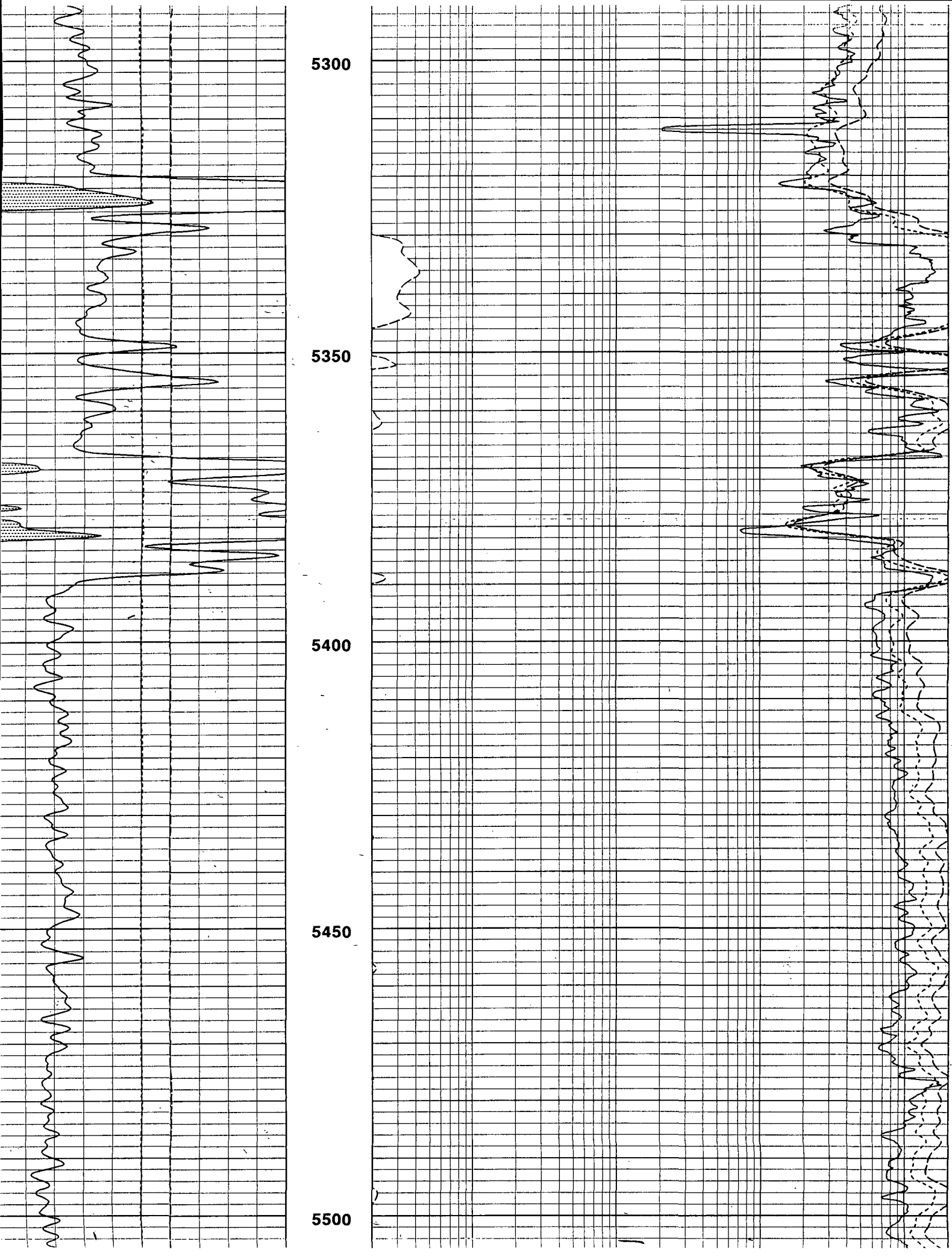
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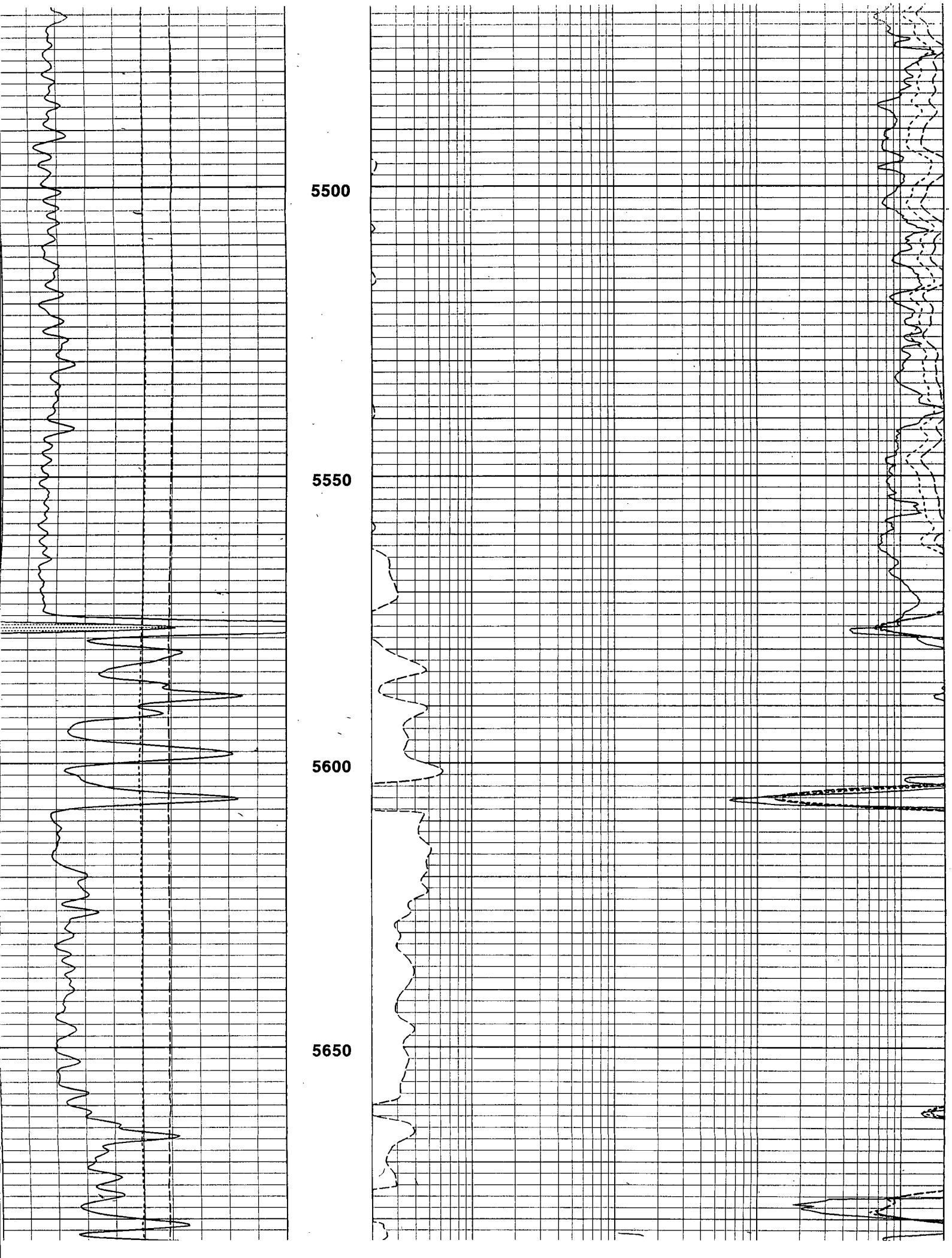
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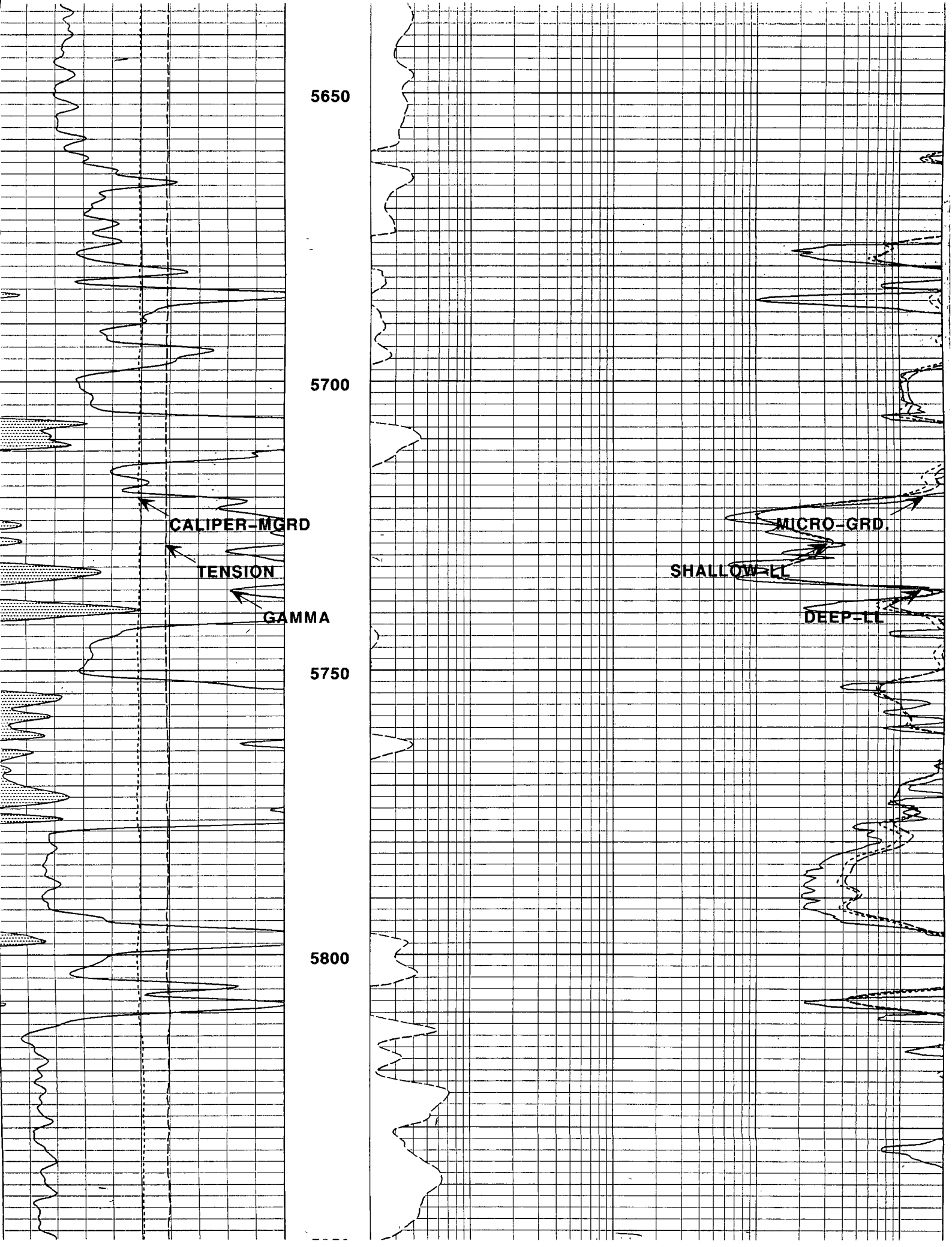
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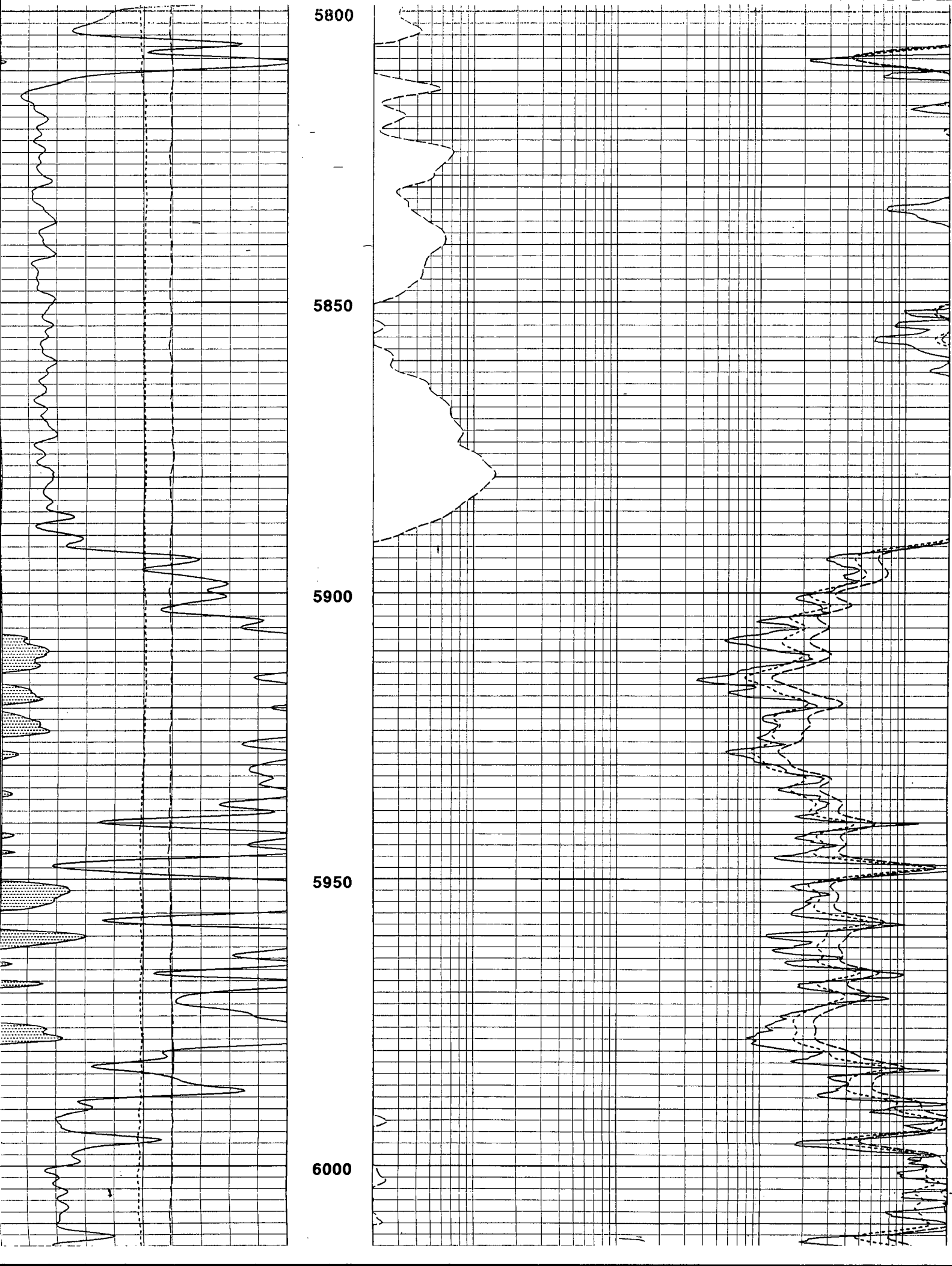
CALIPER-MGRD
TENSION
GAMMA
MICRO-GRD.
SHALLOW-LL
DEEP-LL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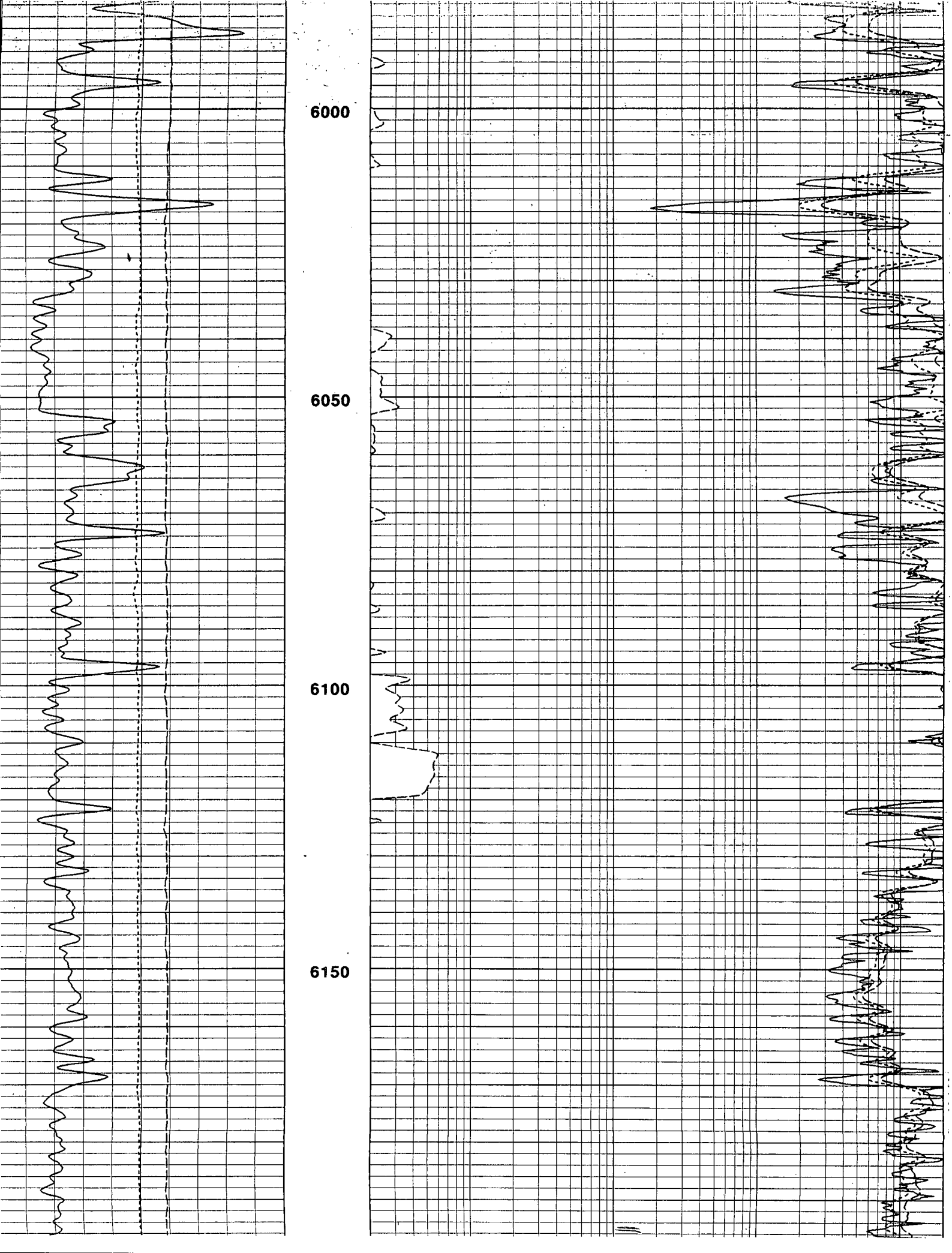
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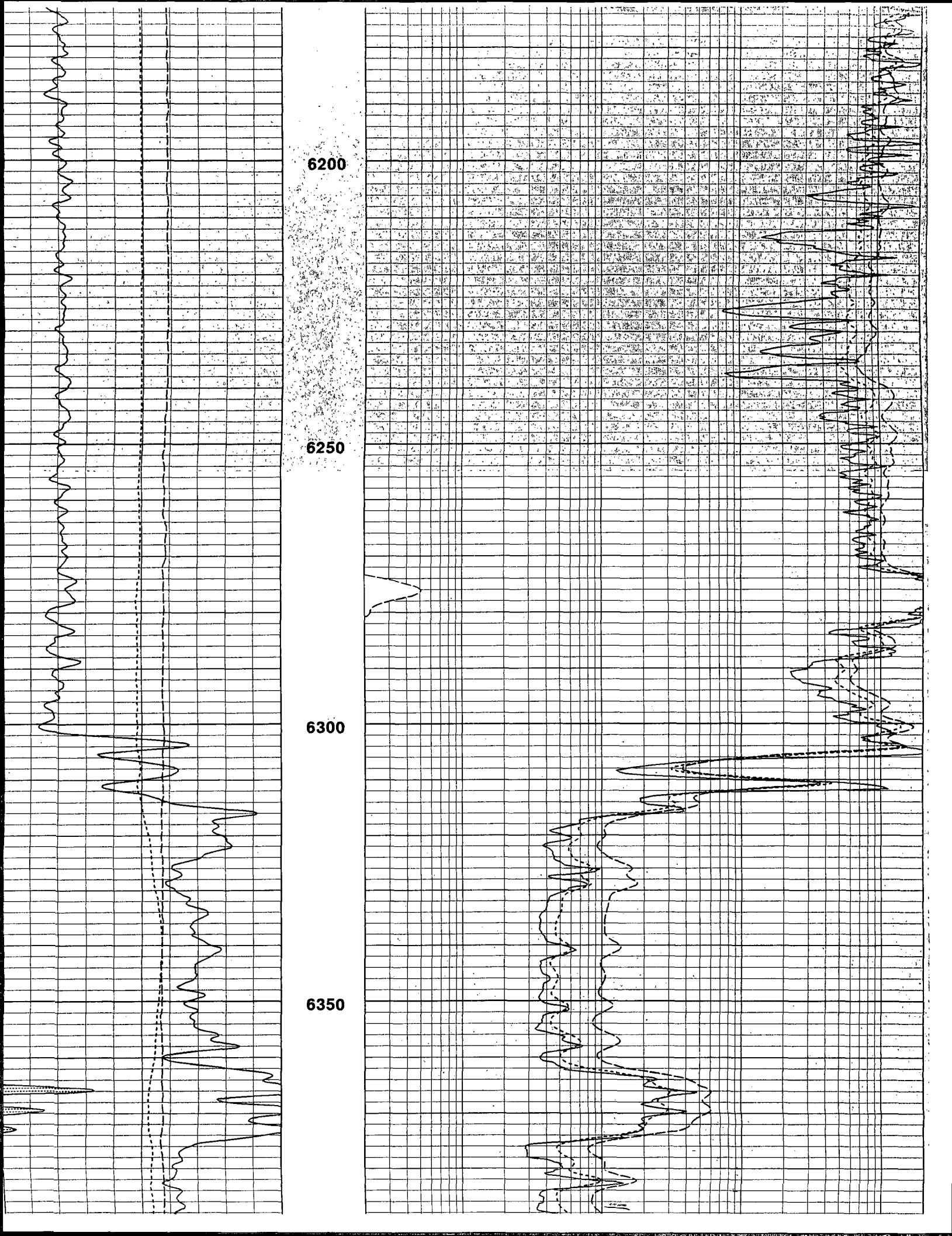
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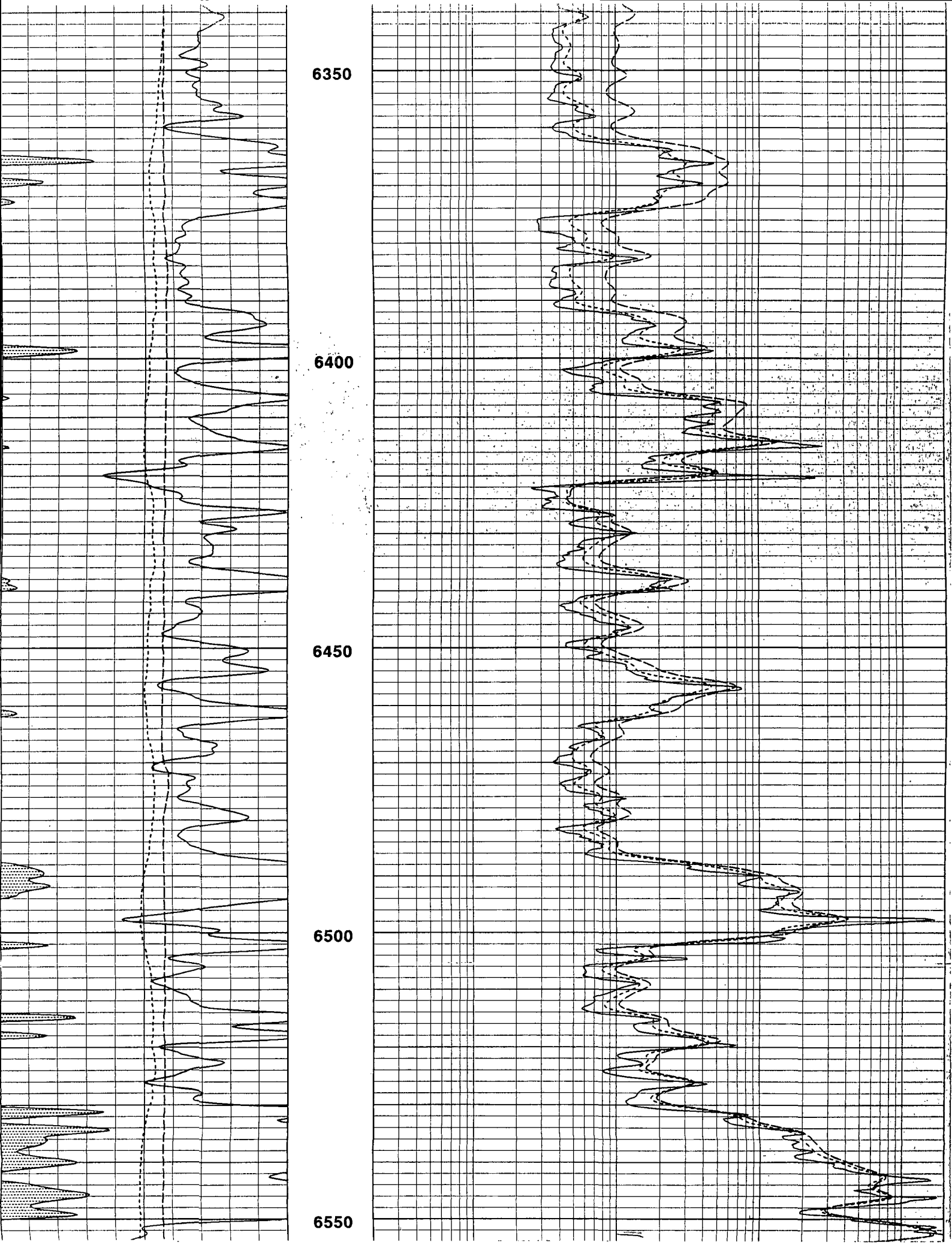
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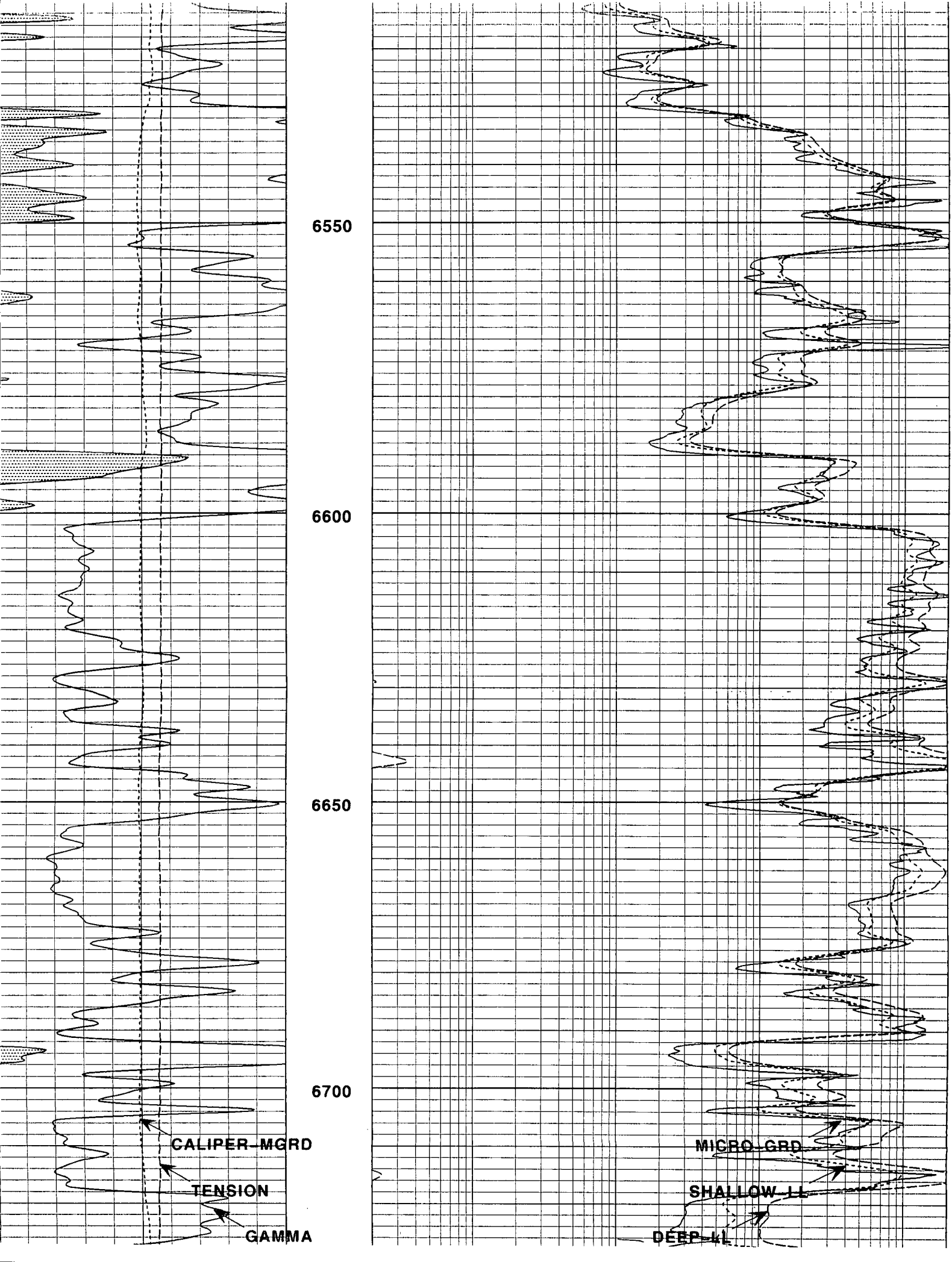
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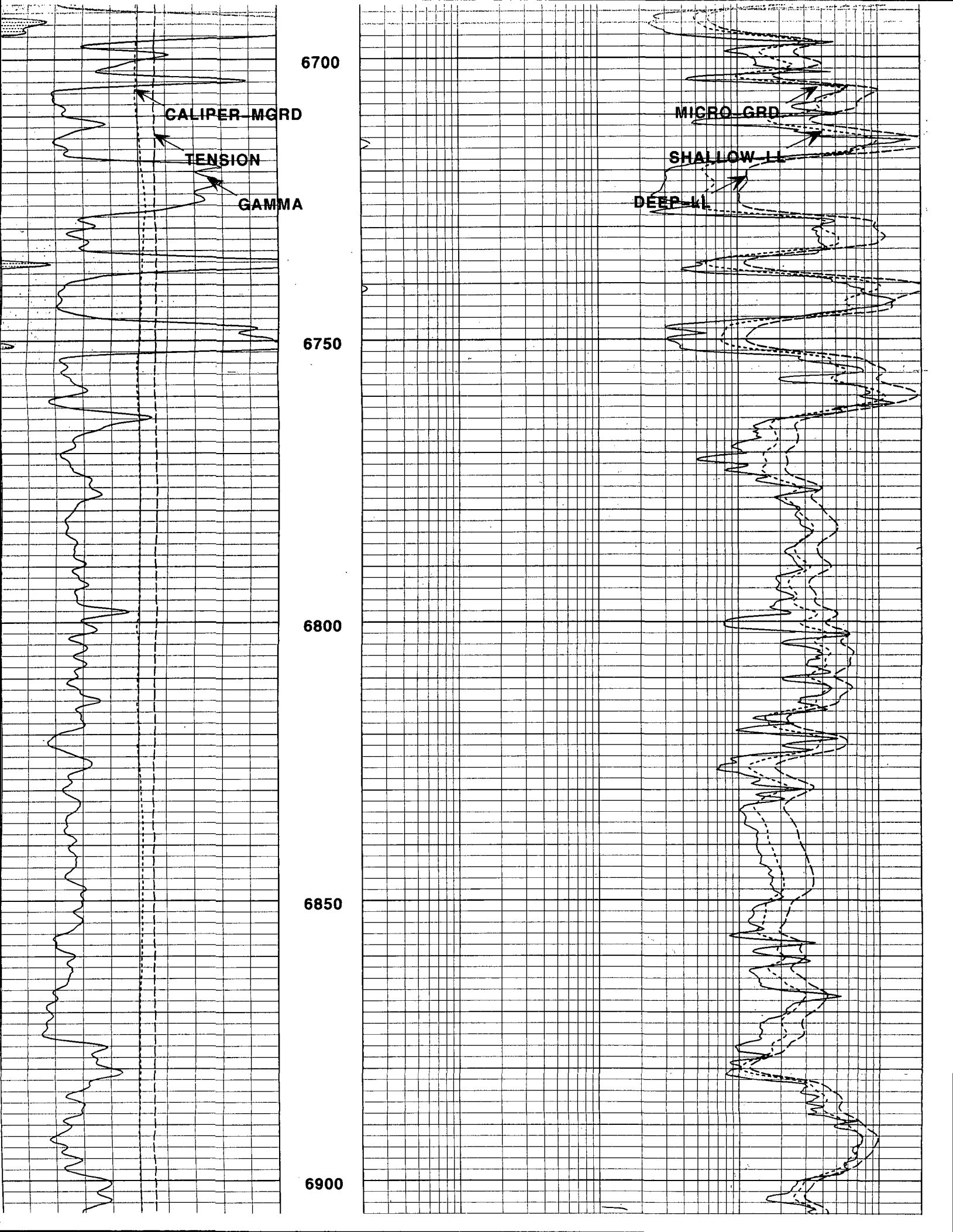
CALIPER-MGRD
TENSION
GAMMA
MICRO-GRD
SHALLOW-LL
DEEP-LL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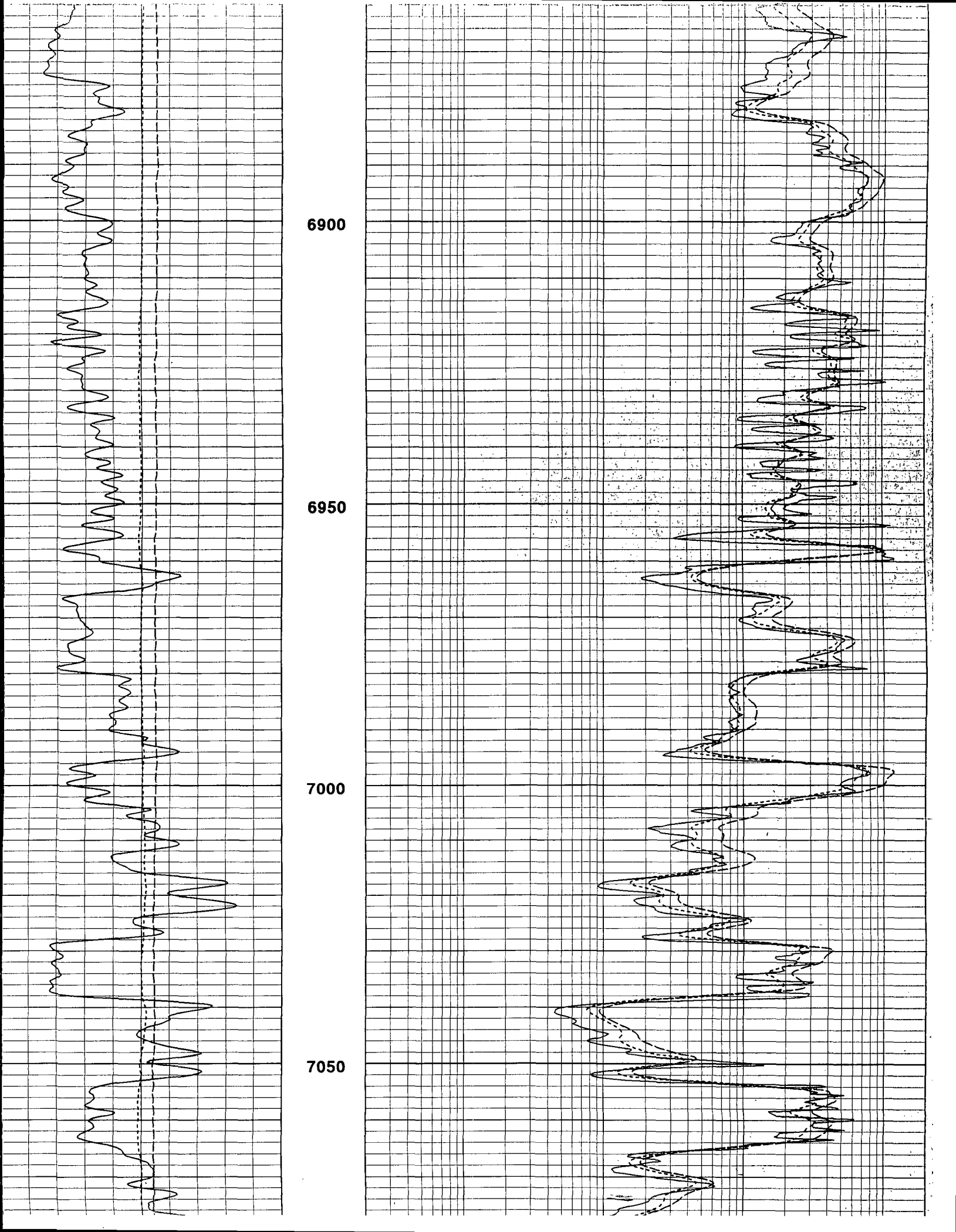
CALIPER-MGRD
TENSION
GAMMA
MICRO-GRD
SHALLOW-LL
DEEP-LL
6750
6800
6850
6900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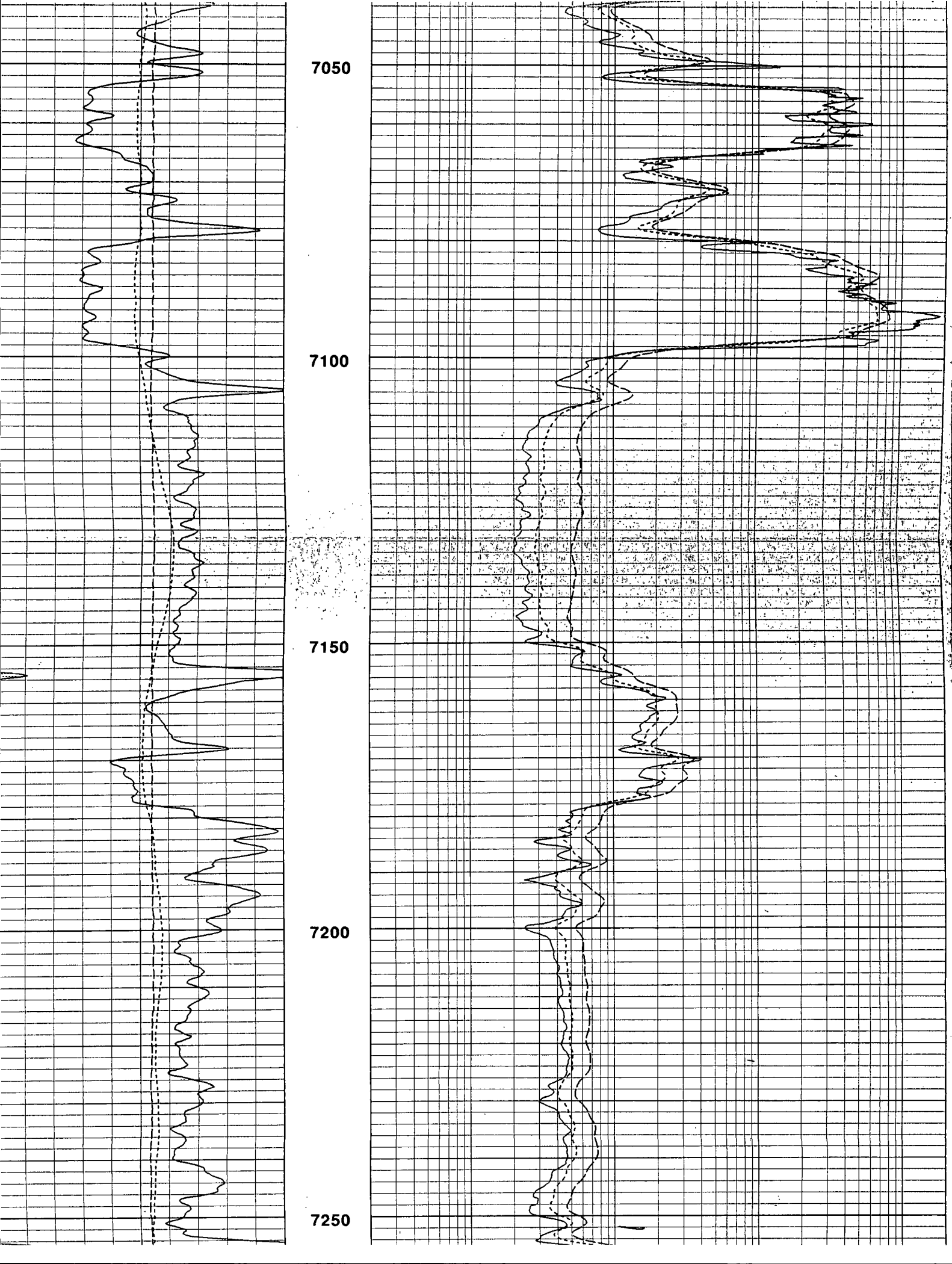
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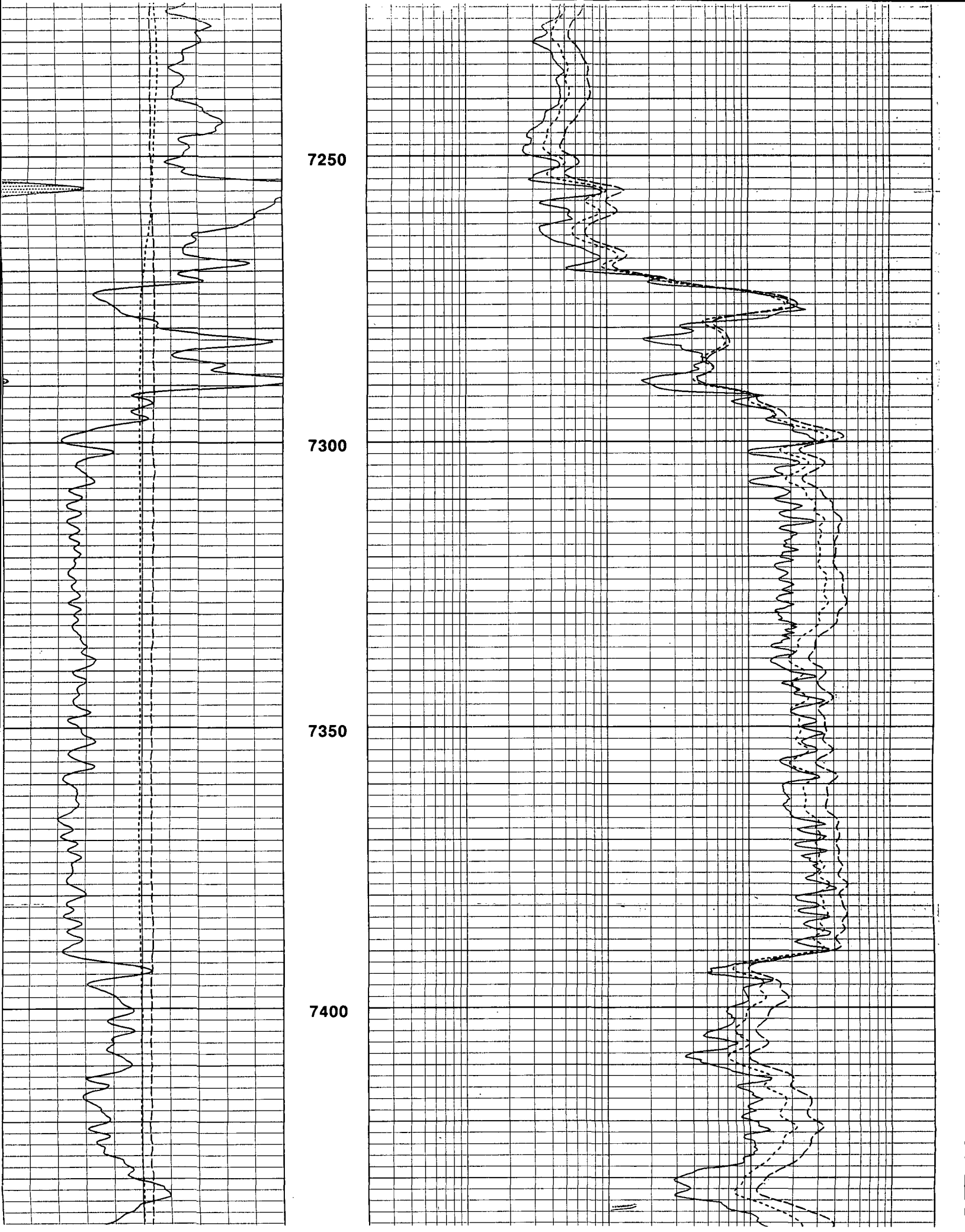
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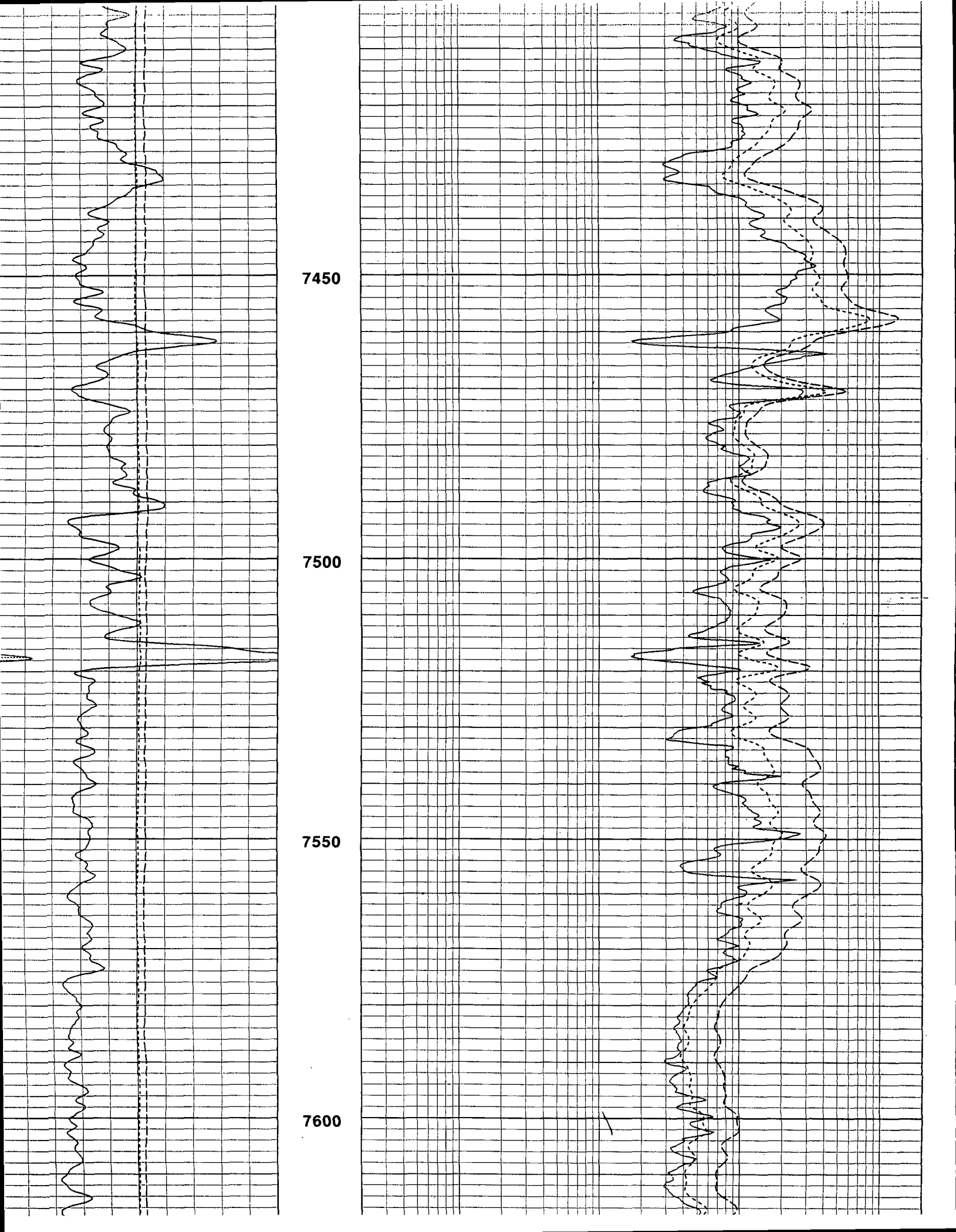
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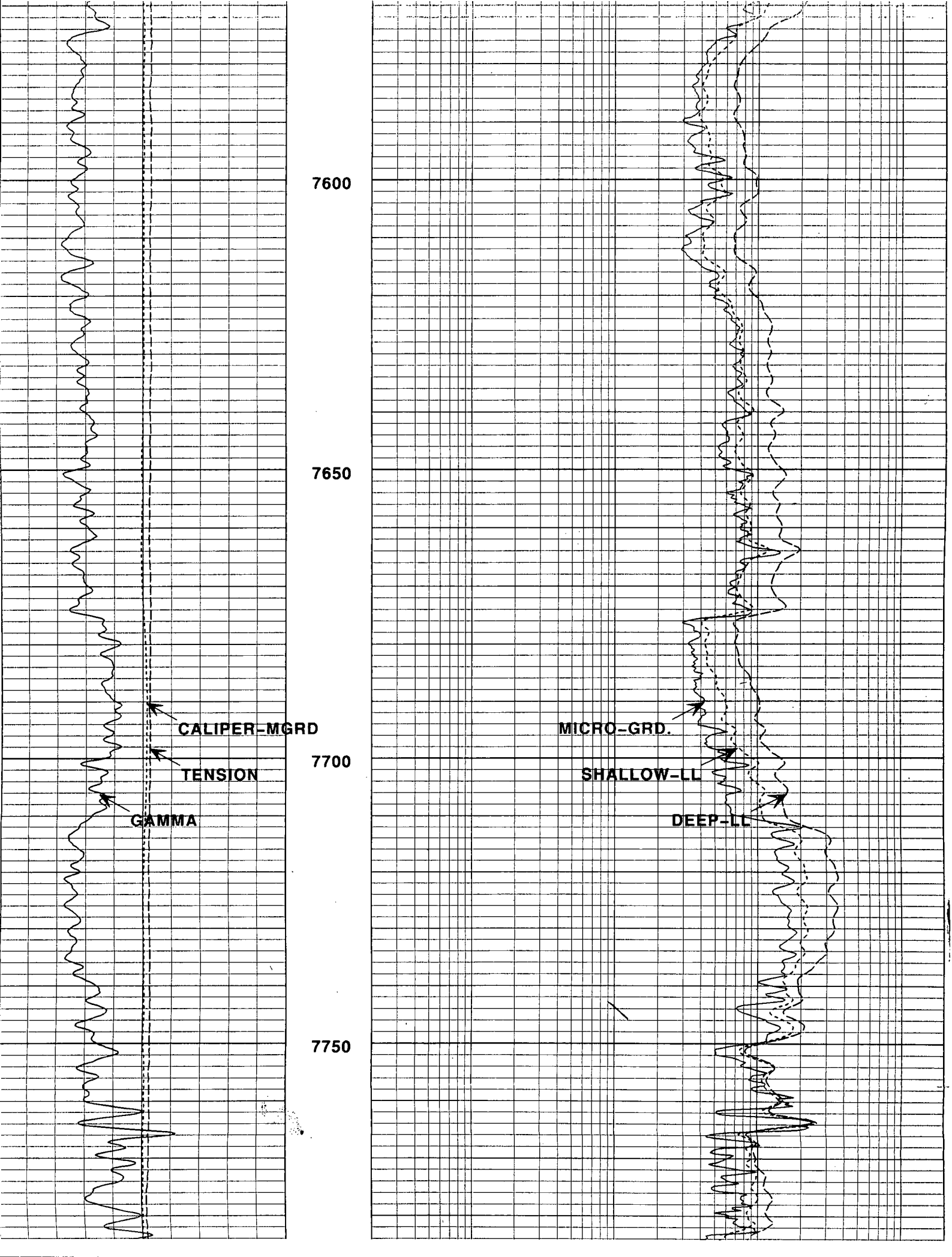
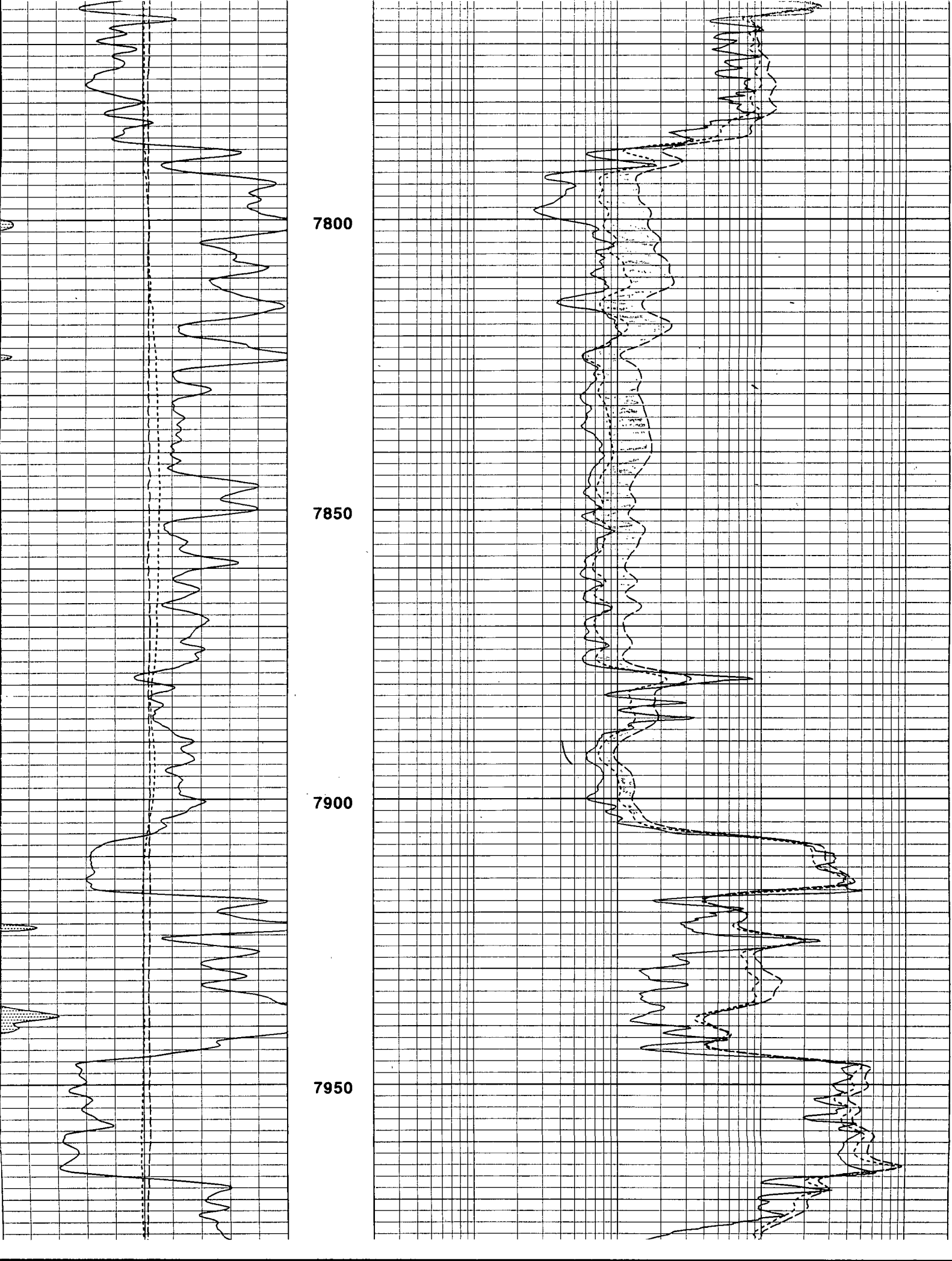

7600
7650
7700
7750
CALIPER-MGRD
TENSION
GAMMA
MICRO-GRD.
SHALLOW-LL
DEEP-LL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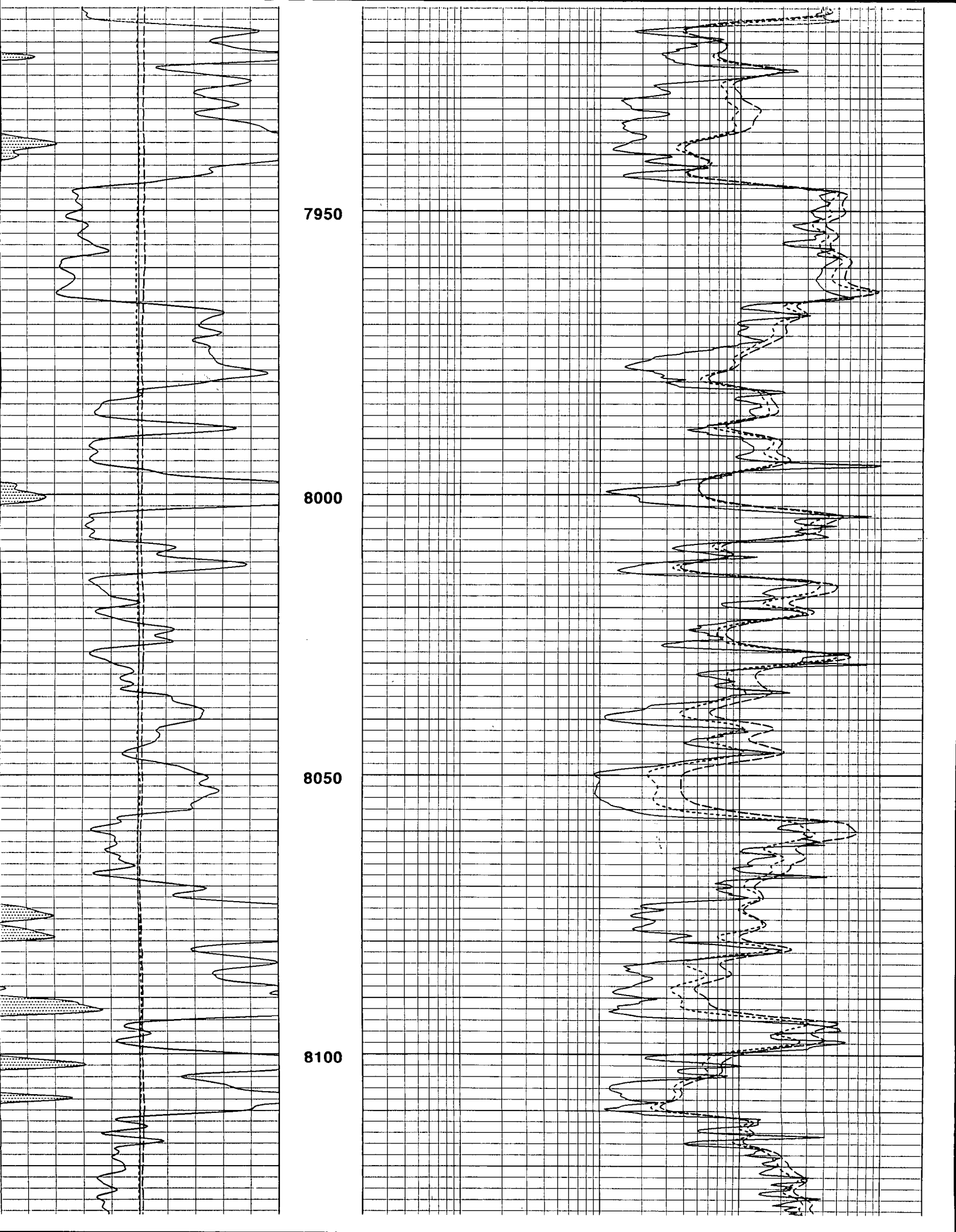
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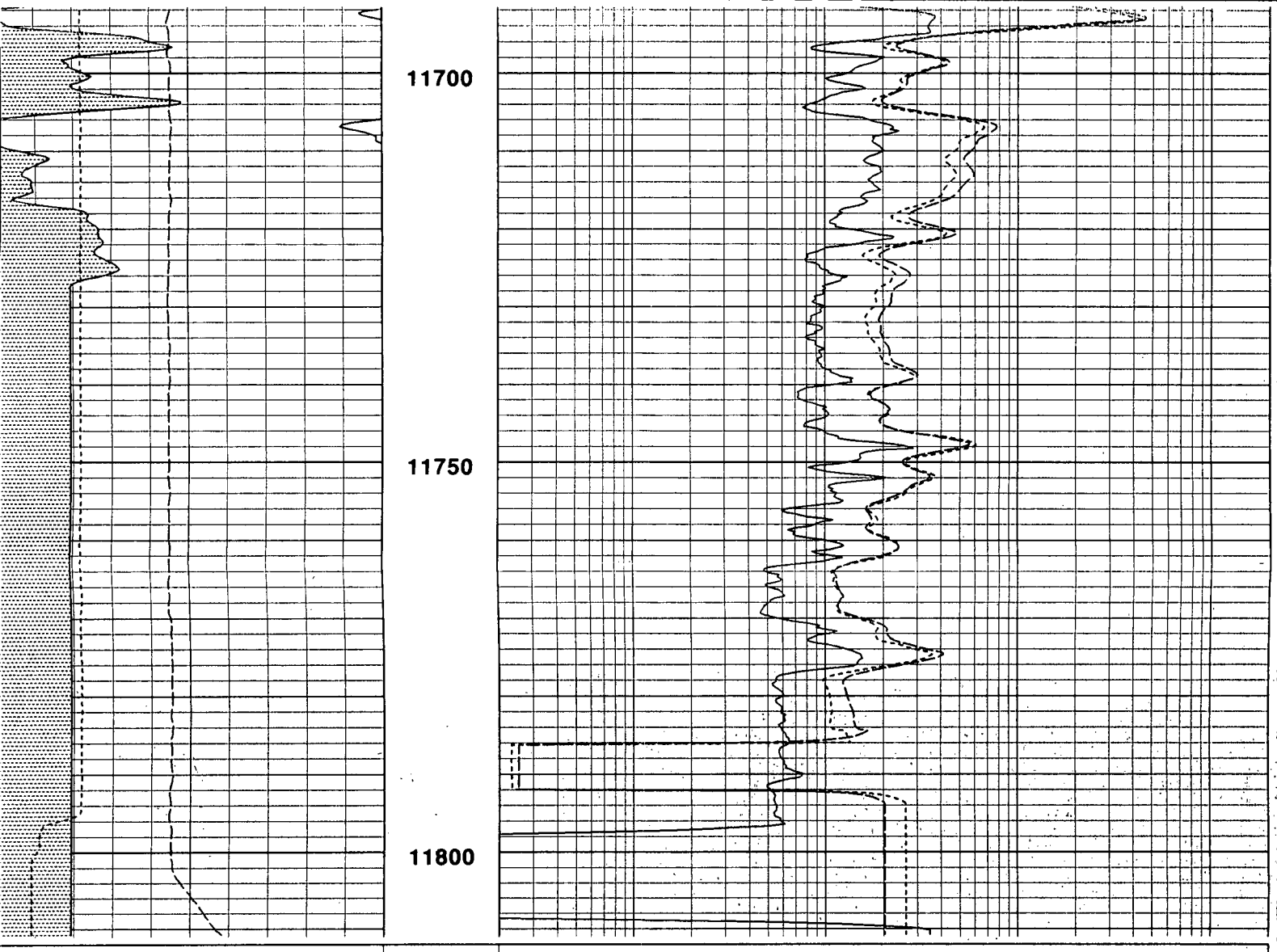


GAMMA				DEEP-LL	
0	GAMMA-API	100		0.2 OHM-M	2000
TENSION				SHALLOW-LL	
10000	POUNDS	0		0.2 OHM-M	2000
CALIPER-MGRD			1:240	MICRO-GRD.	
4	INCHES	14	FT.	0.2 OHM-M	2000
O/S. GAMMA					

HALLIBURTON

Version No: | hc:3.0
Data File: Merge.cls
Format File: dlldll_5in_iterra.spc
Plot Time: 2004-02-04 11:50:34
Database Time: 10:15:04

Top Depth: 1690.00
Bottom Depth: 11811.25

COMPANY	MARBOB ENERGY CORPORATION
WELL	MILKY WAY FEE No. 2
FIELD	CARLSBAD SOUTH – MORROW
COUNTY	EDDY STATE NM

Company: MARBOB ENERGY CORPORATION

Well: MILKY WAY FEE #2

Location: Sec: 9 Twn: 22-S Rge: 27-E Blk:

Survey: 660'FNL&660'FWL API:

County: EDDY State: NEW MEXICO

Elevation: KB: 3122 GL: 3105

Contractor: PATERSON #507 Spud Date:

Depth Logged: From: 1712 To: 11830

Date Logged: From: 1/10/04 To: 2/3/04

Logger: DUNN / YOUNG Unit: 10

MORCO GEOLOGICAL SERVICES

Carlsbad, New Mexico - (800) 748-2340

Shale		Limestone		Salt	
Siltstone		Dolomite		Igneous	
Sandstone		Anhydrite		Metamorphic	
Conglomerate		Chert		No Sample	

Total Gas Calibration:	100 Gas Units = 1% Methane Equivalent
Chromatograph Calibration:	1 Unit = 100 ppm of each component:
Total Gas Detector Type:	Catalytic Combustion Filament (Hot Wire)
Chromatograph Type:	Catalytic Combustion Filament (Hot Wire)
Extractor Evacuation Rate:	10 Standard Cubic Feet per Hour

DRILLING RATE (min/ft)

DEPTH OFF BTM OFF PMP

POROSITY GFT

LITH

CUT TFG

FLUOR

STAIN

Total gas (Units)

C1 (Units) 1 1

C2 (Units) 2 2

C3 (Units) 3 3

C4 (Units) 4 4

C5 (Units) 5 5

REMARKS

SET 9 5/8"CSNG@ 1712

NB#4,8 3/4"HTC HR530

IN @ 1712'

2.5 5

WOB 10K

1700

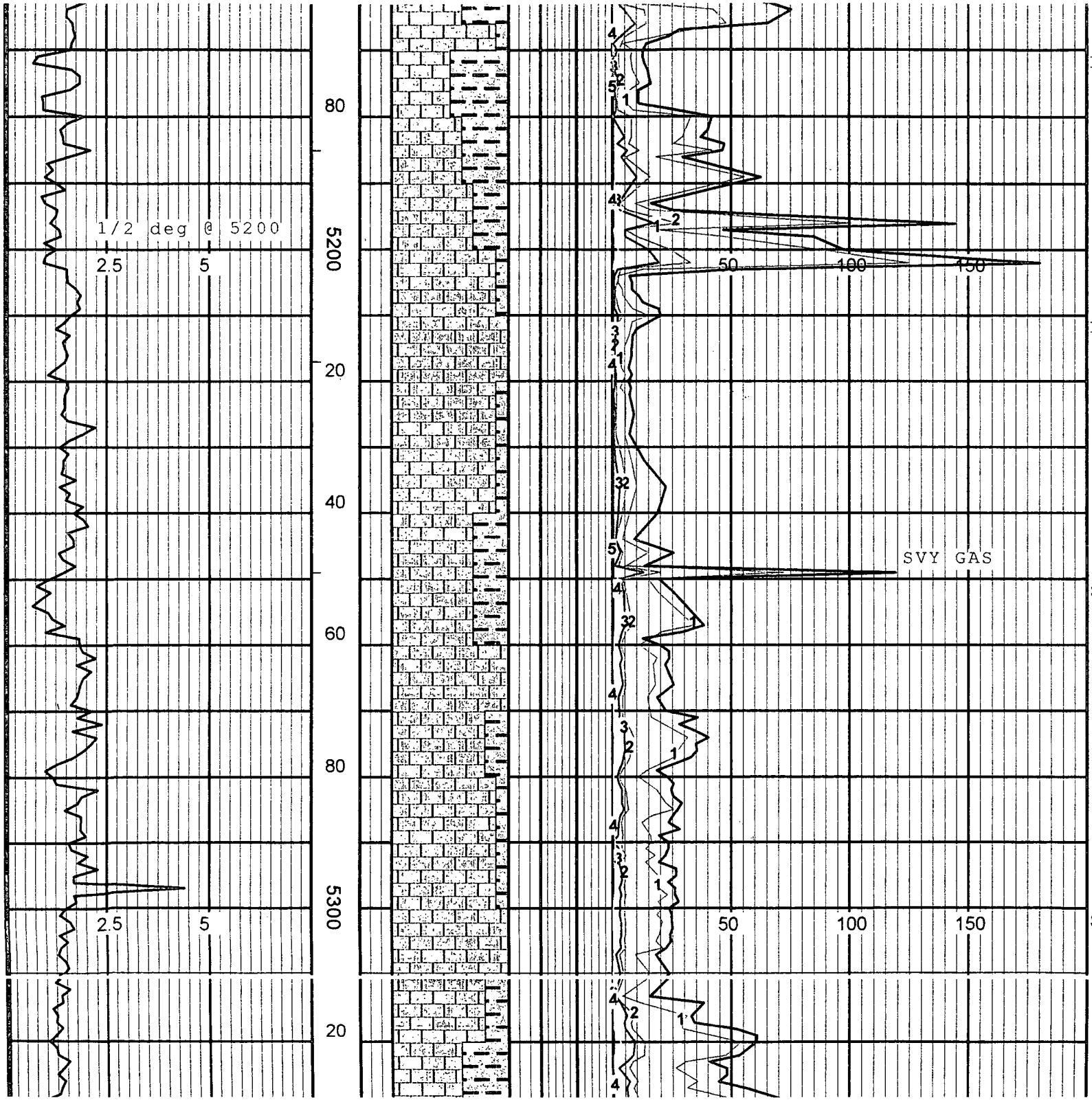
20

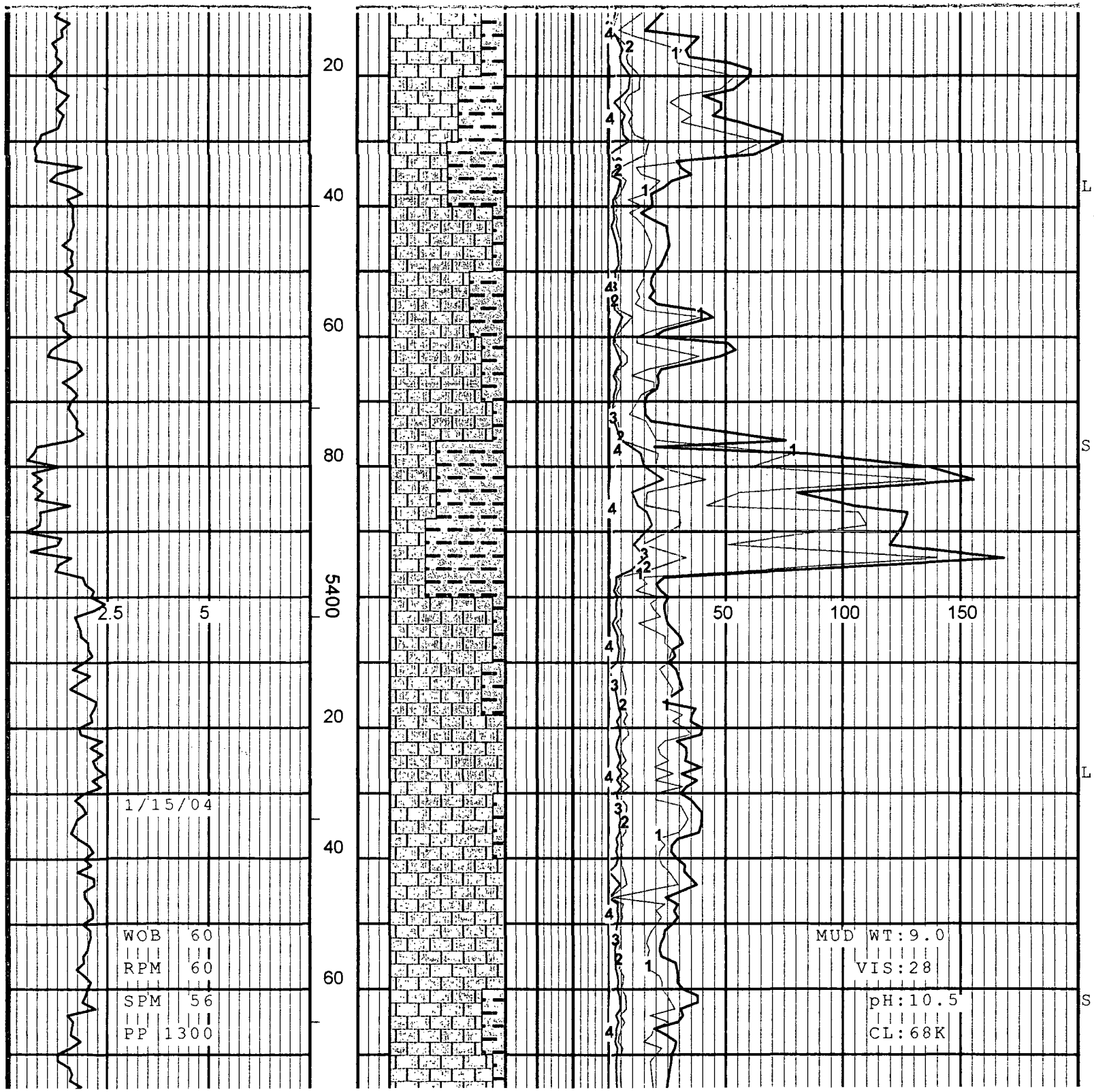
COMMENCE TWO-MAN LOGGING @ 3:00pm

20 40 60

CALIBRATE EQUIPMENT

NO GAS READINGS OR SAMPLE WHILE SCREEN ON FLOW LINE


1/2 deg @ 5200
2.5
5
80
5200
20
40
60
80
5300
20
50
100
150
SVY GAS
LS:off wht,crm,tr buff tn,mstly micro-v/fn xln,mod dns,sme chlky v/frm,frly clean.
LS:drk gry-brn,brn,drk gry,buff,micro-v/fn xln,mod dns,sli argil
SH:drk brn,blk,drk gry blky,sli carb,v/frm, lmy,tr mica.
SH:drk gry-blk,drk brn blk,blky,v/frm-frm, sli carb,lmy,mica ip.



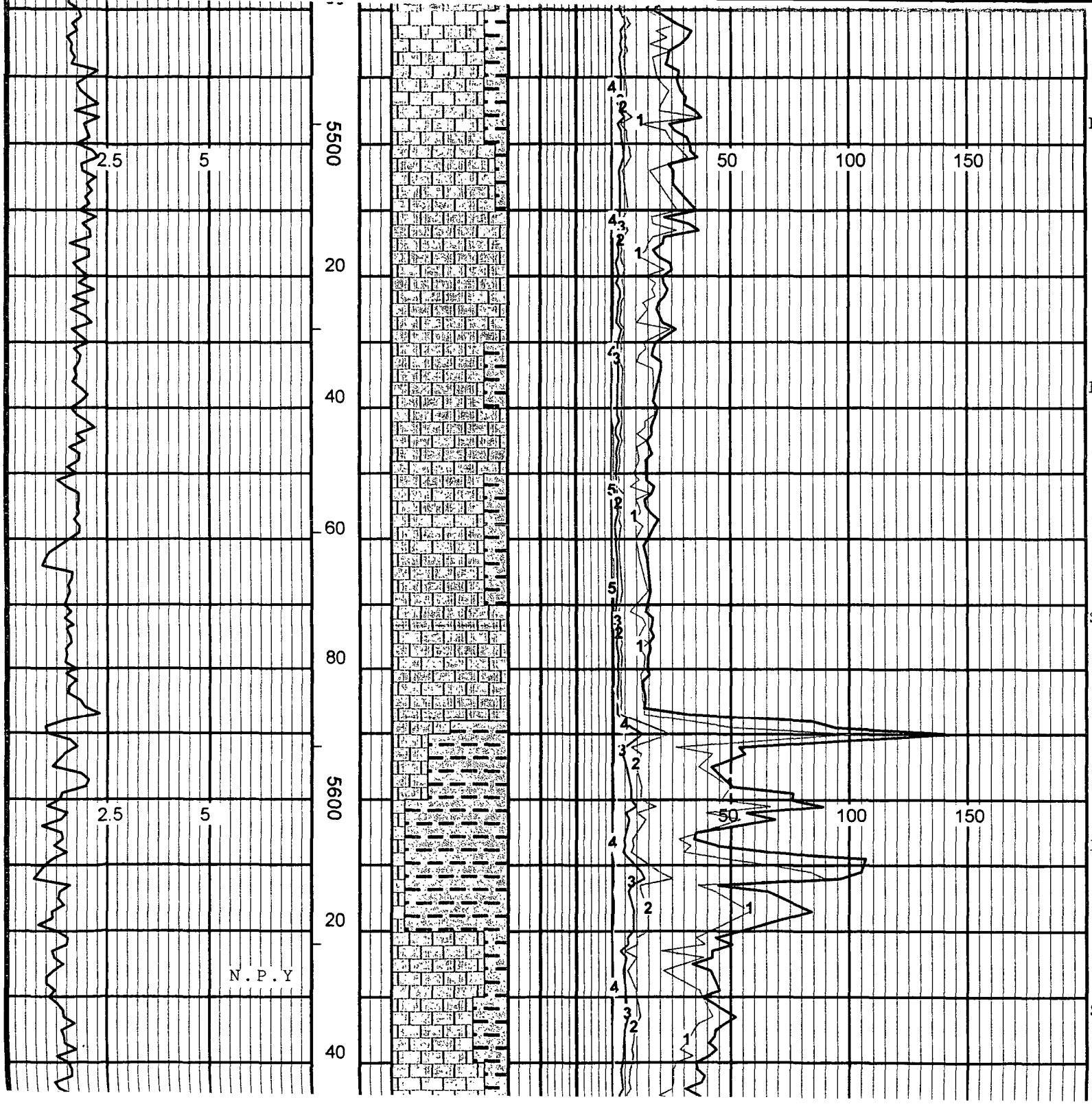
sli carb,lmy,mica ip.

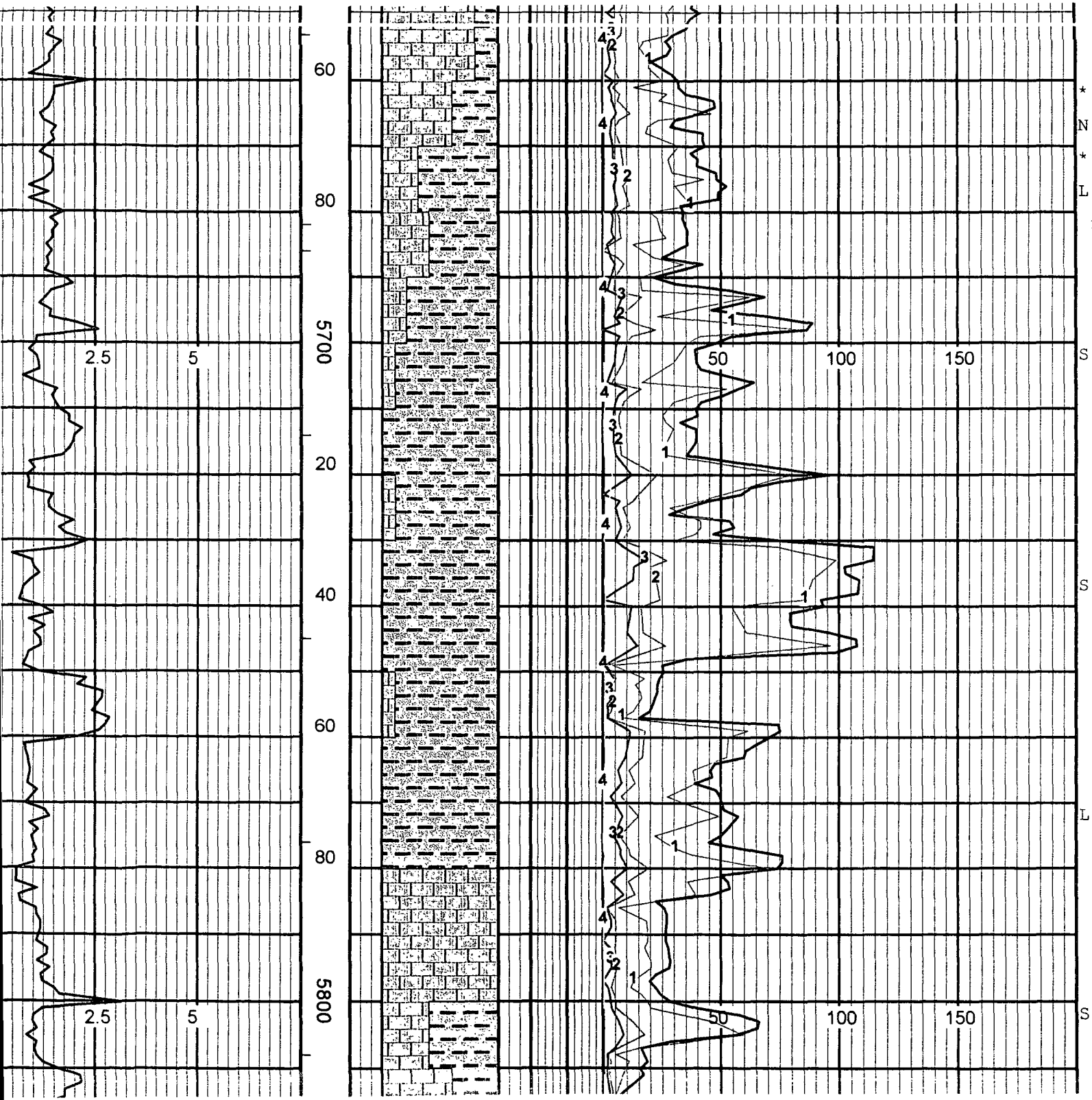
LS:gry,brn,buff,tn, micro-v/fn xln,mod dns,tr chlky,sli argill.

SH:blk,drk gry-blk, drk brn,blky,frm-v/frm,sli carb,mstly v/lmy,tr mica.

LS:drk brn,gry,buff, tr tn,mstly micro-v/f xln,mod dns,frm-v/frm chlky ip,argill ip.

SH:drk gry-blk,drk brn blky,v/frm-frm,sli carb,lmy,mica.


2.5
5
5500
20
40
60
80
5600
20
40
N.P.Y
50
100
150
LS:buff,tn,drk gry,gry micro-v/fn xln,mod dns,sli argill,tr foss.
LS:lt gry,buff,tn,sme drk brn,predom argill v/fn-micro xln,v/frm.
SH:drk brn,drk gry-blk blky,frm-v/frm,slty-rthy ip,sli carb,lmy, mica.
LS:dk brn,brn,dk gry, mic xln,dns,frm-mod h hrd,pred v/shly
SH:dk brn,brn,blky, plty,frm-mod hrd,sme mic mica,sme mic pyrt



****

NOTE:SMPL V/POOR MF-55

****

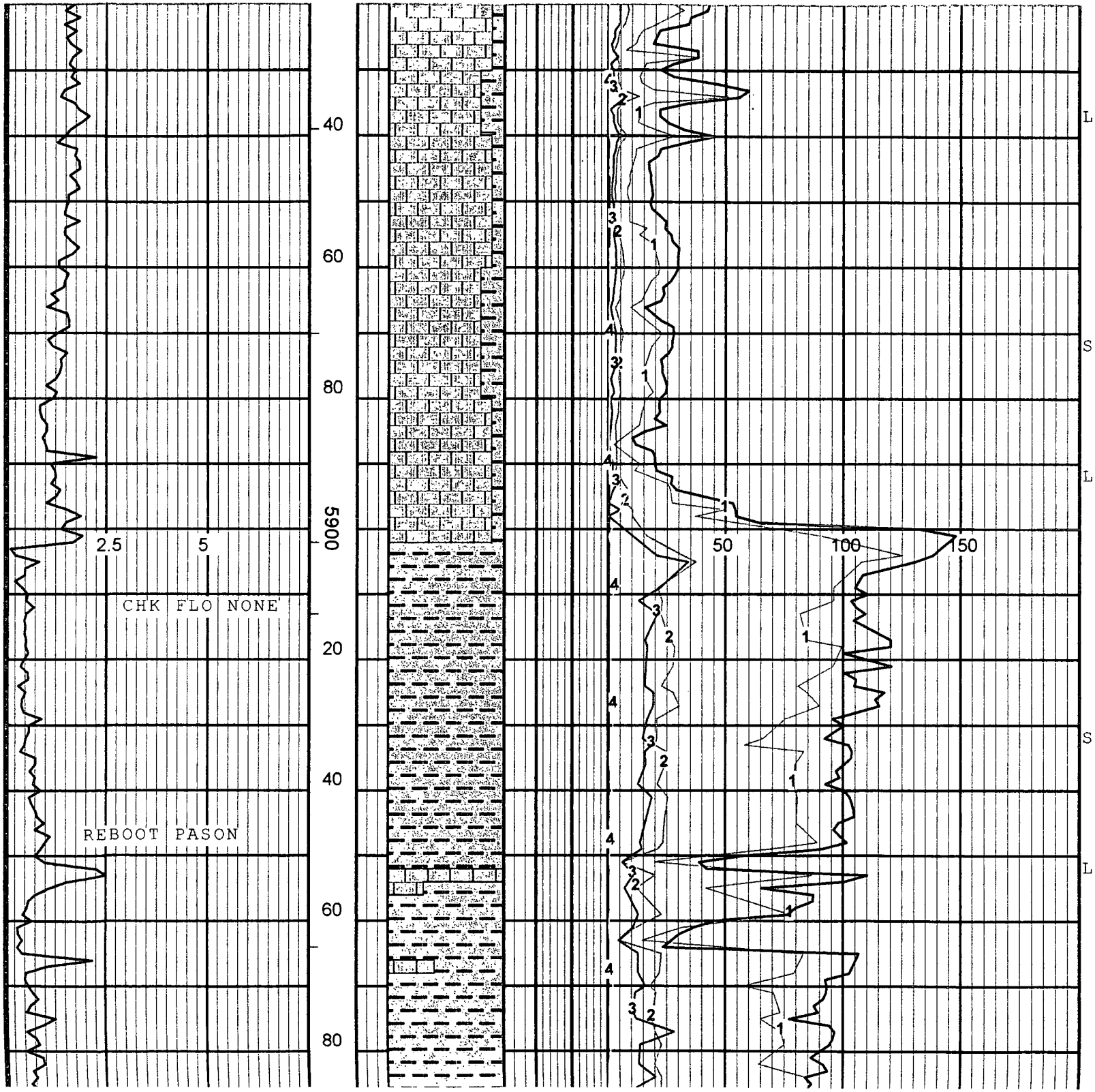
LS:dk brn,brn,dk gry, mic xln,dns,frm-mod hrd,drty,pred v/shly

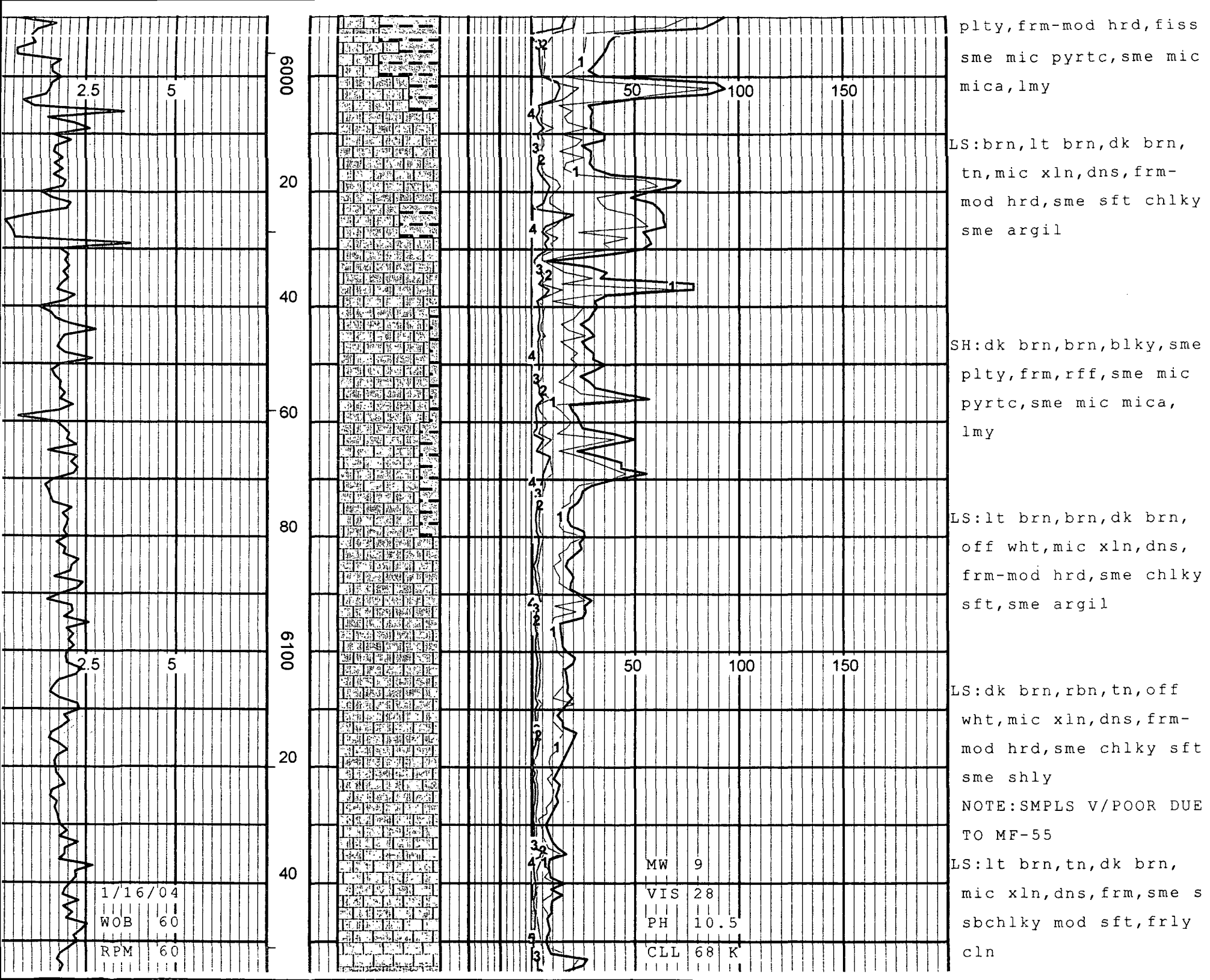
SH:dk brn,brn,blky,plty,frm-mod hrd,mic mic sme mic pyrtc,lmy,carb

SH:dk brn,brn,blk,blky plty,grty,slty,rff, sme mic mica,sme mic pyrtc,calc-lmy,carb

LS:lt brn,brn,mic xln, dns,frm-mod hhrd,pred cln

SH:dk brn,brn,blky,sme plty,frm,grtty,rff,sm mic mica,sme mic pyrt


40
60
80
5900
20
40
60
80
2.5
5
50
100
150
CHK FLO NONE
REBOOT PASON
LS:brn,dk brn,off wht, sme mott,mic xln,dns, frm-mod hrd,sme sft, abndnt argil
SH:dk brn,brn,blk,blky plty,slty,frm-mod hrd sme mic mica,sme mic pyrtc,lmy
LS:dk brn,brn,lt brn, off wht,mic xln,dns, frm-mod hrd,sme mod sft,abndnt argil-shly
SH:blk,dk brn,brn,blky plty,fiss,frm,mic pyr sme mic mica,carb
LS:brn,lt brn,tn,mic x xln,dns,frm-mod sft,, sbchlky,sme argil



plty,frm-mod hrd,fiss sme mic pyrtc,sme mic mica,lmy

LS:brn,lt brn,dk brn, tn,mic xln,dns,frm-mod hrd,sme sft chlky sme argil

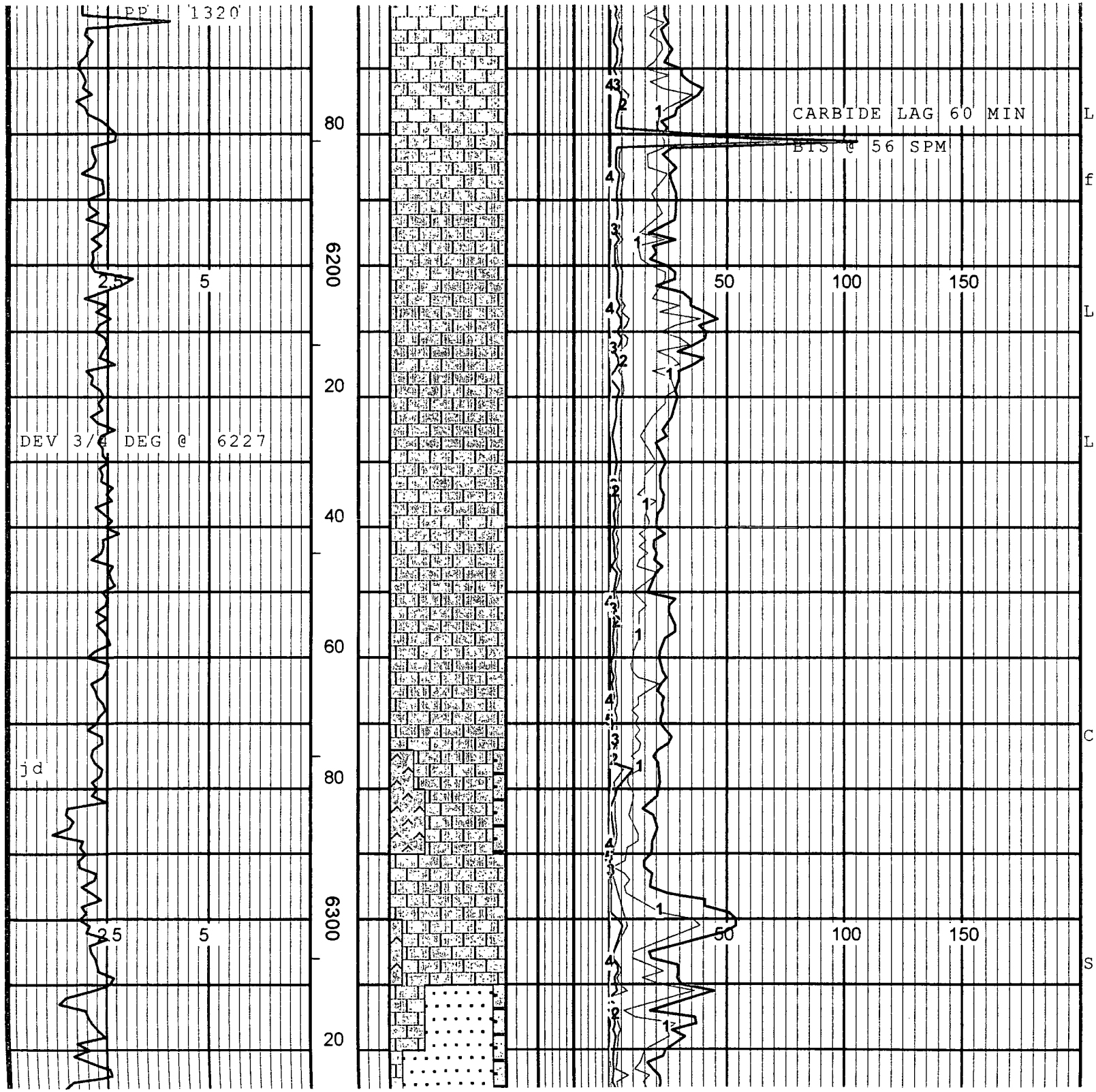
SH:dk brn,brn,blky,sme plty,frm,rff,sme mic pyrtc,sme mic mica, lmy

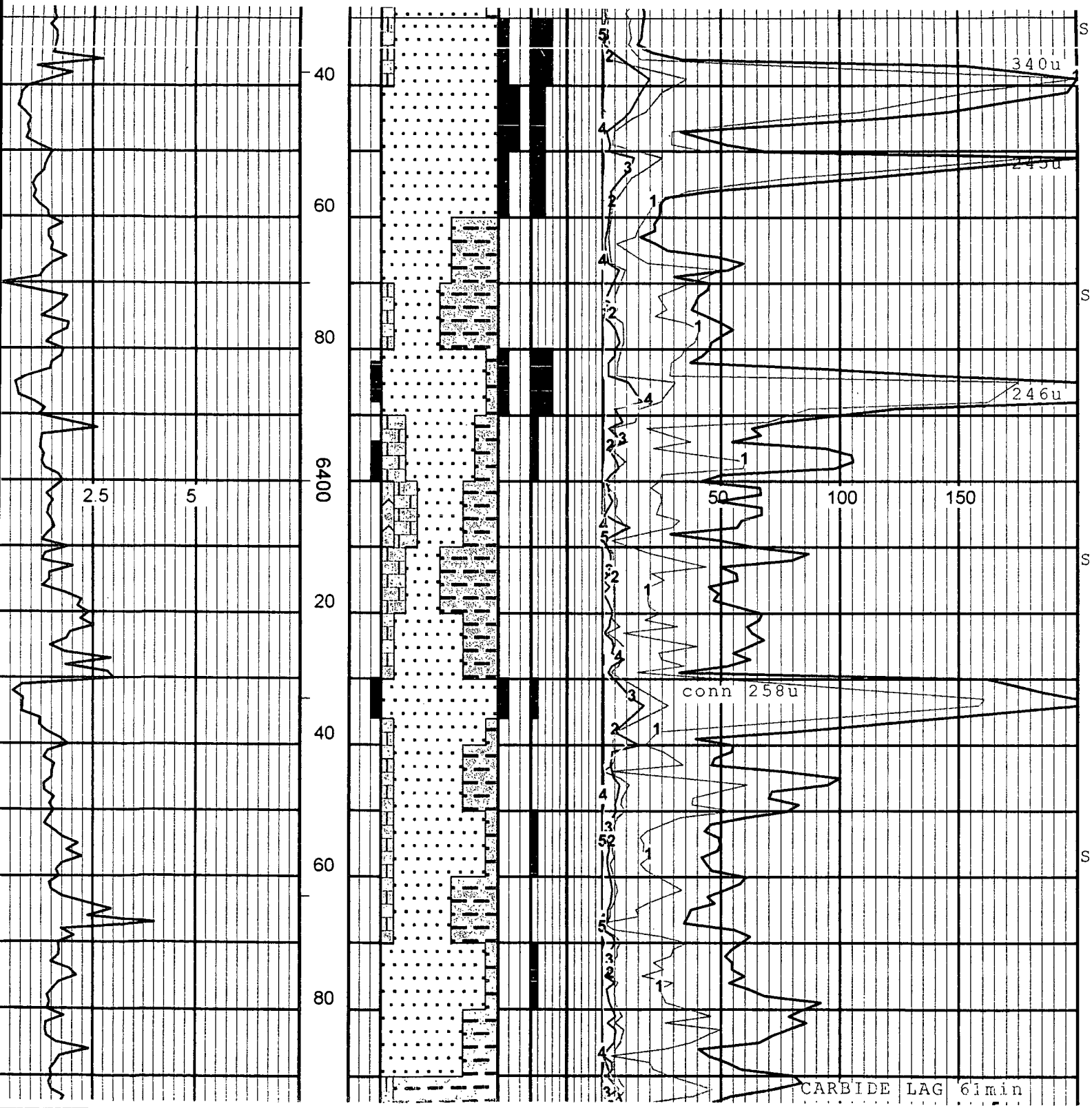
LS:lt brn,brn,dk brn, off wht,mic xln,dns, frm-mod hrd,sme chlky sft,sme argil

LS:dk brn,rbn,tn,off wht,mic xln,dns,frm-mod hrd,sme chlky sft sme shly

NOTE:SMPLS V/POOR DUE TO MF-55

LS:lt brn,tn,dk brn, mic xln,dns,frm,sme s sbchlky mod sft,frly cln


PP 1320
80
6200
20
DEV 3/4 DEG @ 6227
40
60
jd
80
6300
20
2.5
5
CARBIDE LAG 60 MIN
BIT @ 56 SPM
50
100
150
TO MF-55
LS:dk gry,gry,dk brn, sme mott,mic xln,dns, frm-mod sft,sme hrd, sme sbchlky,sme argil
LS:dk gry,gry,brn,mic xln,dns,frm-mod sft,s sme hrd,sme sbchlky
LS:lt brn,tn,off wht, dk brn,mic xln,dns, frm-sft,sbchlky-chlky
CHRT:drk brn,drk gry-brn,smky,opqu,lmy-shly,tr foss,occ tr spic.
SS:off wht,frstd,lt tr clr,mstly v/fn-tr fn gr,predom cons, fria,lmy-sme silic

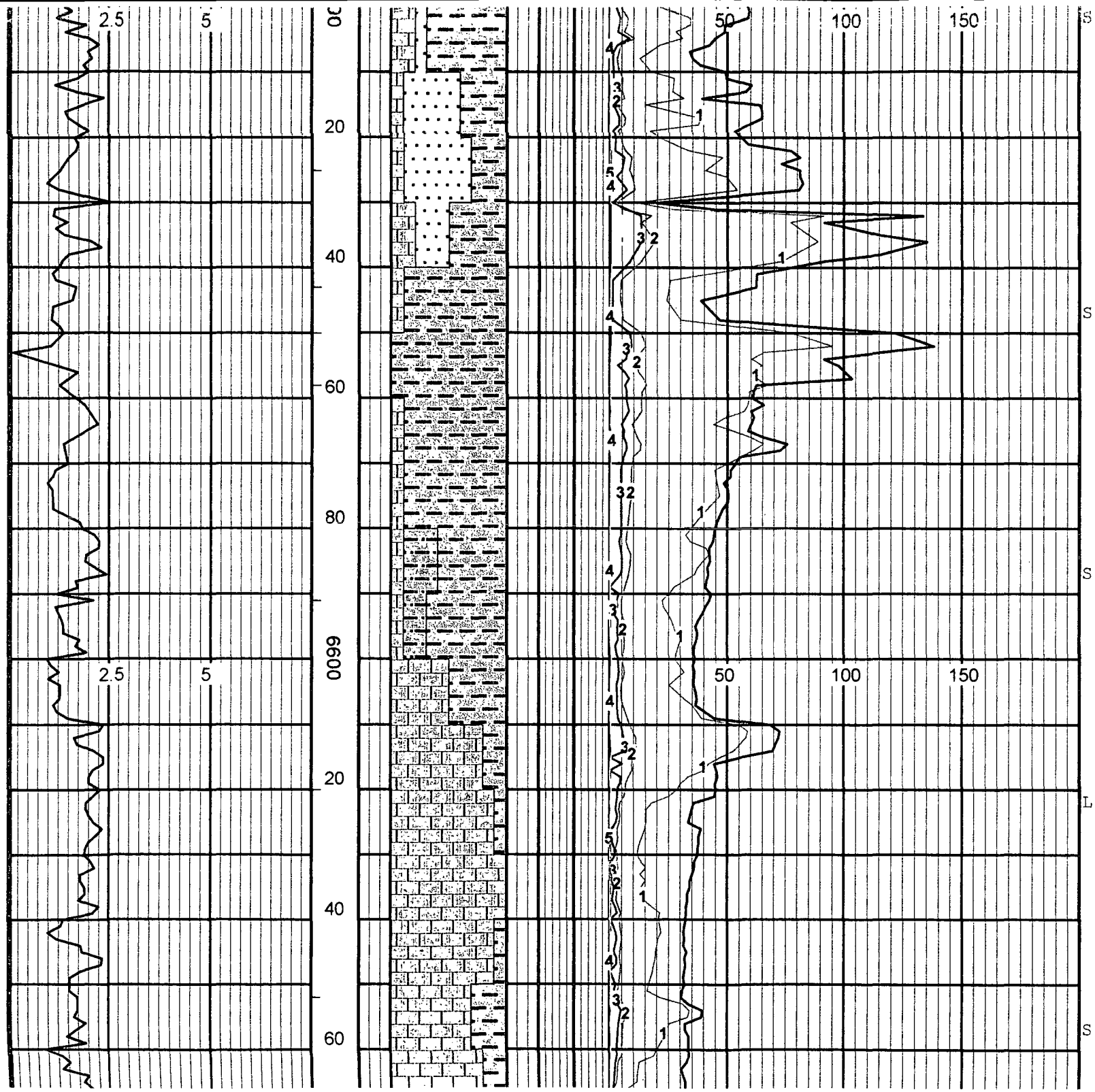


SS:off wht,lt gry,clr, frstd,v/fn-tr fn gr, lsly-uncons,s/ang,mod srtd,lmy cmt,30-60% yll fluor,tr-fr slow yll wet cut,tr intr-grnlr poro,sli petro odor in sample.

SS:lt gry,frstd,off wht,clr,tr lt brn, predom lsly cons,fria s/ang,v/fn-fn gr,mod srtd,5-60% pale yll fluor,tr yll wet cut, tr intr-grnlr poro.

SS:frstd,lt gry,tr off wht,lt brn,mstly v/fn -fn gr,predom uncon, sme lsly cons,s/ang-s/rndd,prly srtd,lmy-shly cmt,15%gold flur sli tr slow yll cut, sli odor in trap.

SS:frstd,lt gry,clr, off wht,v/fn-tr fn gr predom uncon,s/ang-s/rndd,prly srtd,shly -clay cmt,15%dull gld fluor,no cut/stn.



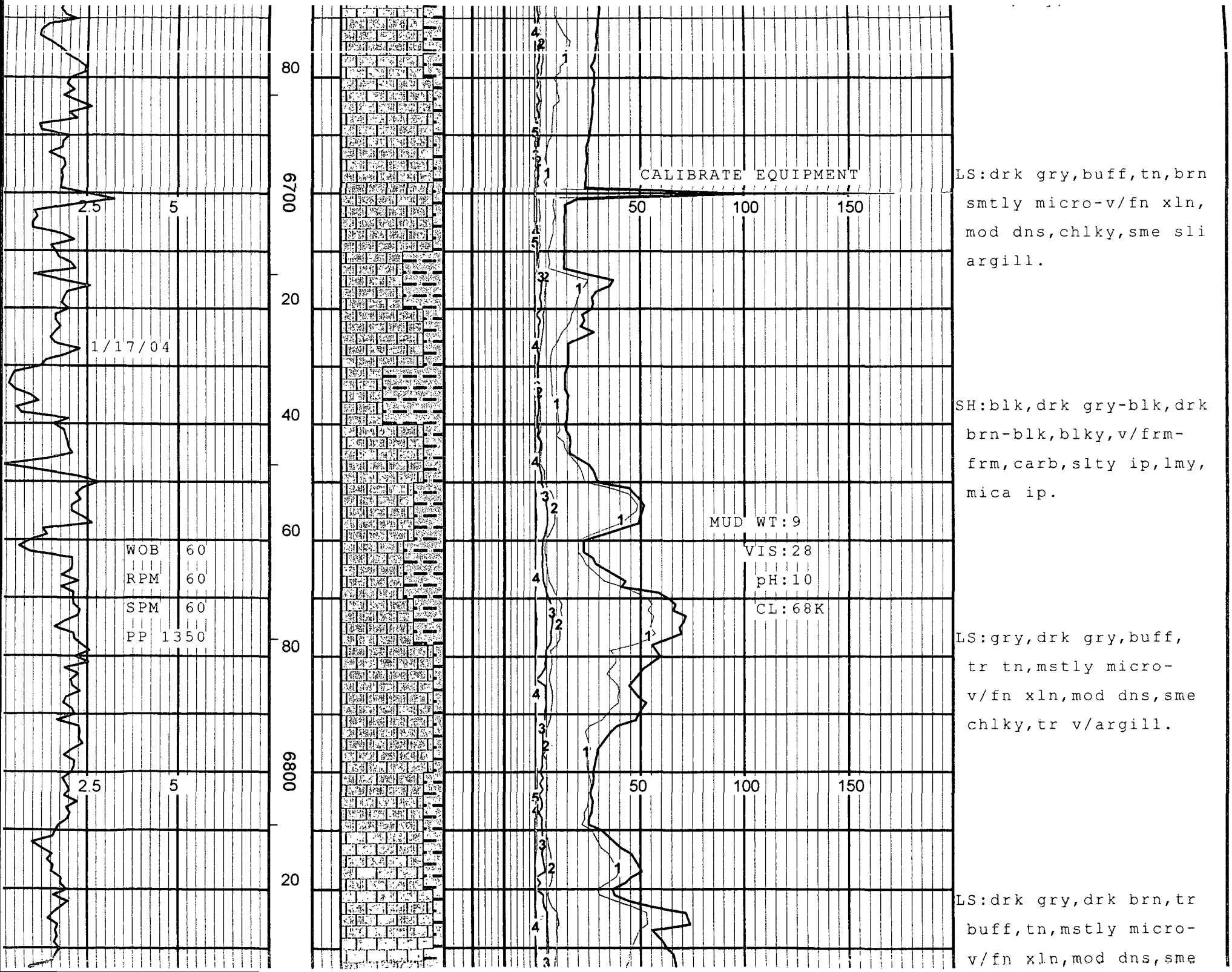
SS:off wht,frstd,clr, lt gry,predom v/fn-fn gr,predom lsly cons, abndt uncons,s/ang-sme s/rndd,prly srtd.

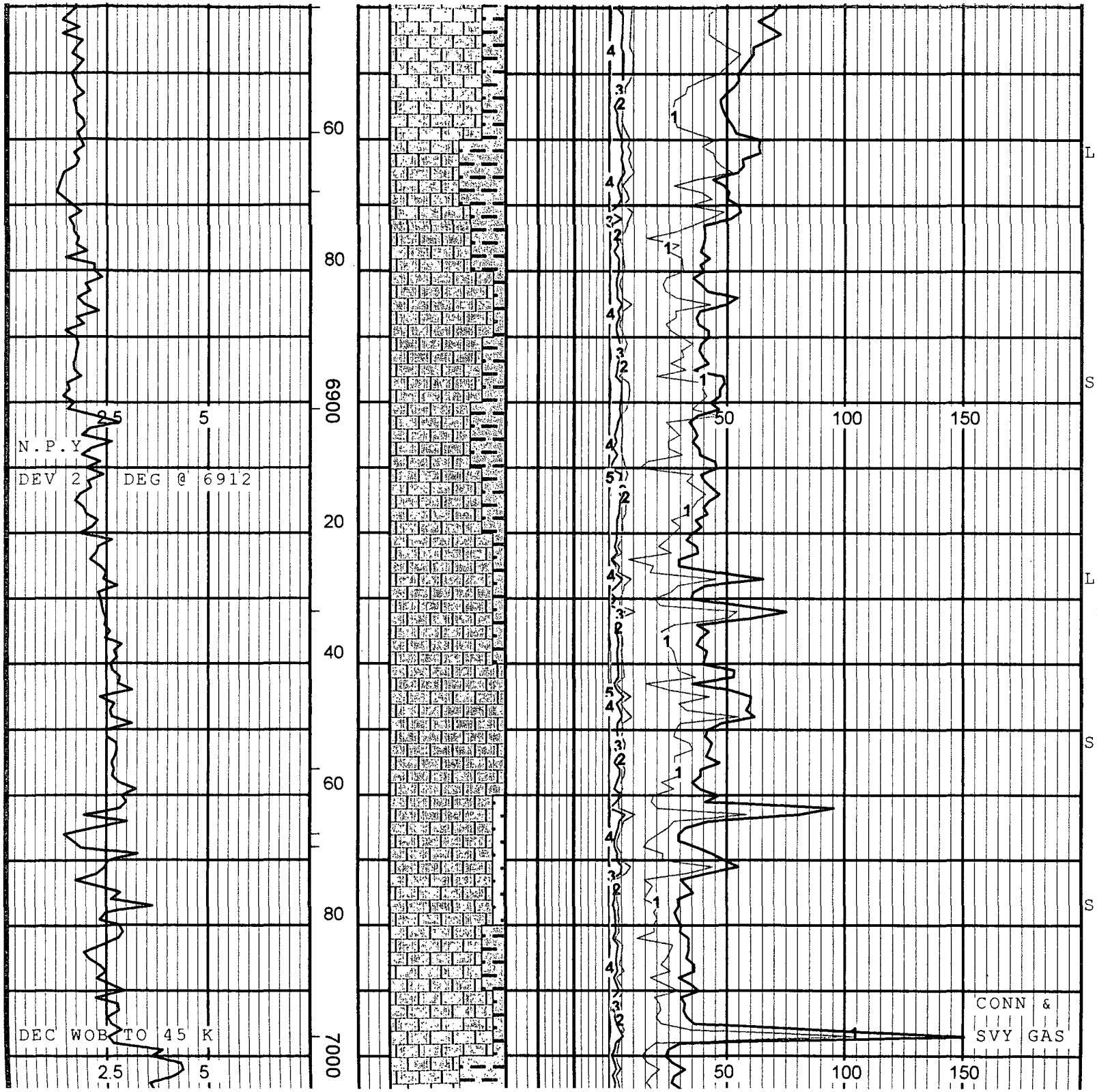
SH:drk brn-blk,drk gry blk,blky,v/frm-hrd, crmbly,slty,sli carb.

SLTSTN:drk brn,drk gry blky,hrd-v/frm,shly, sndy,sme lmy,mica.

LS:off wht,lt gry,buff tn,mstly micro-v/fn xln,mod dns,sme chlky sme v/argill.

SH:drk gry-blk,drk brn blky,v/frm-frm,sli


6700
6800
2.5
5
50
100
150
1/17/04
CALIBRATE EQUIPMENT
WOB 60
RPM 60
SPM 60
PP 1350
MUD WT:9
VIS:28
pH:10
CL:68K
LS:drk gry,buff,tn,brn smtly micro-v/fn xln, mod dns,chlky,sme sli argill.
SH:blk,drk gry-blk,drk brn-blk,blky,v/frm-frm,carb,slty ip,lmy, mica ip.
LS:gry,drk gry,buff, tr tn,mstly micro-v/fn xln,mod dns,sme chlky,tr v/argill.
LS:drk gry,drk brn,tr buff,tn,mstly micro-v/fn xln,mod dns,sme



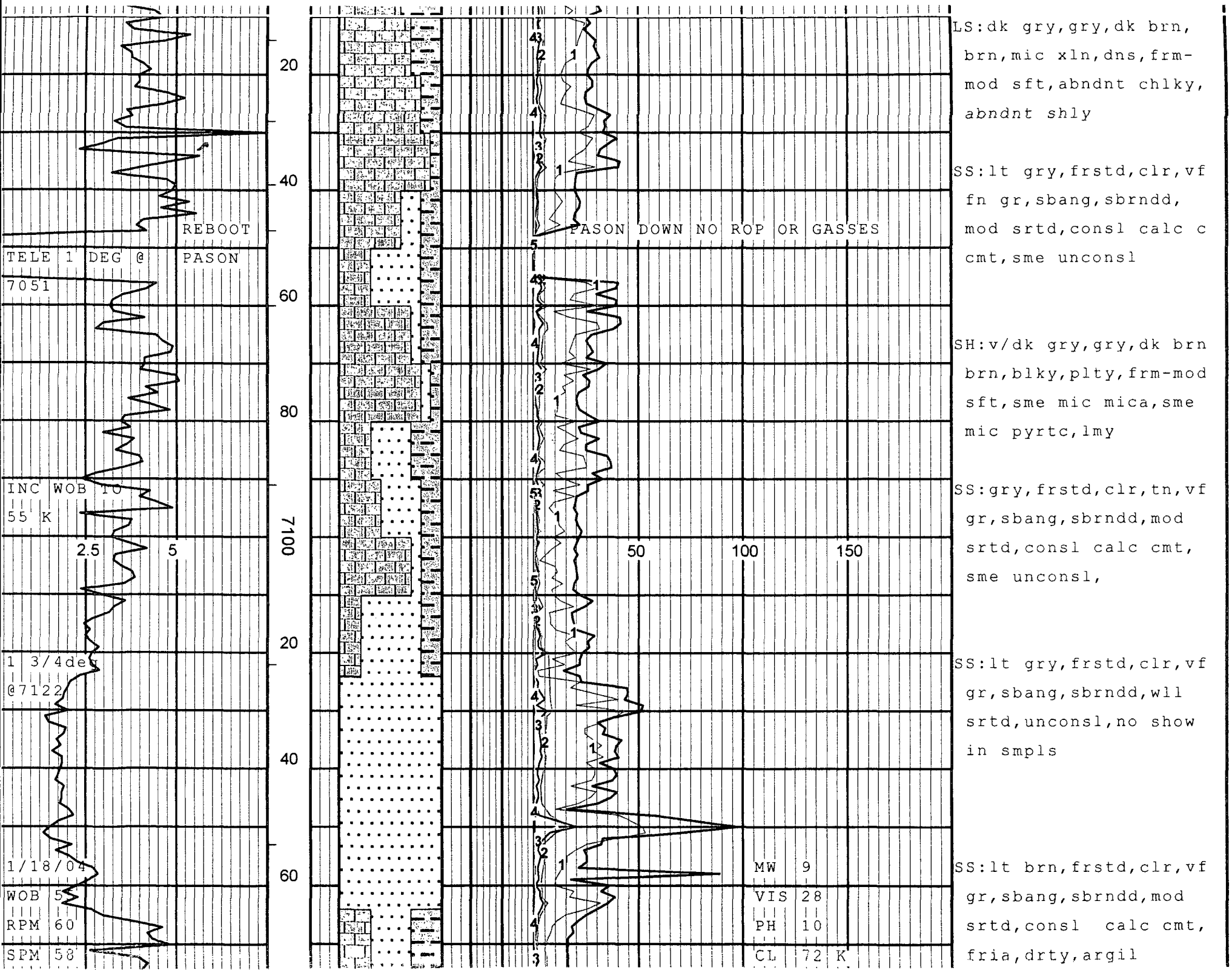
LS:drk gry,gry,tr buff tn,mstly micro-v/fn xln,mod dns,sme chlky abndt v/argill,sme grdng-lmy SH.

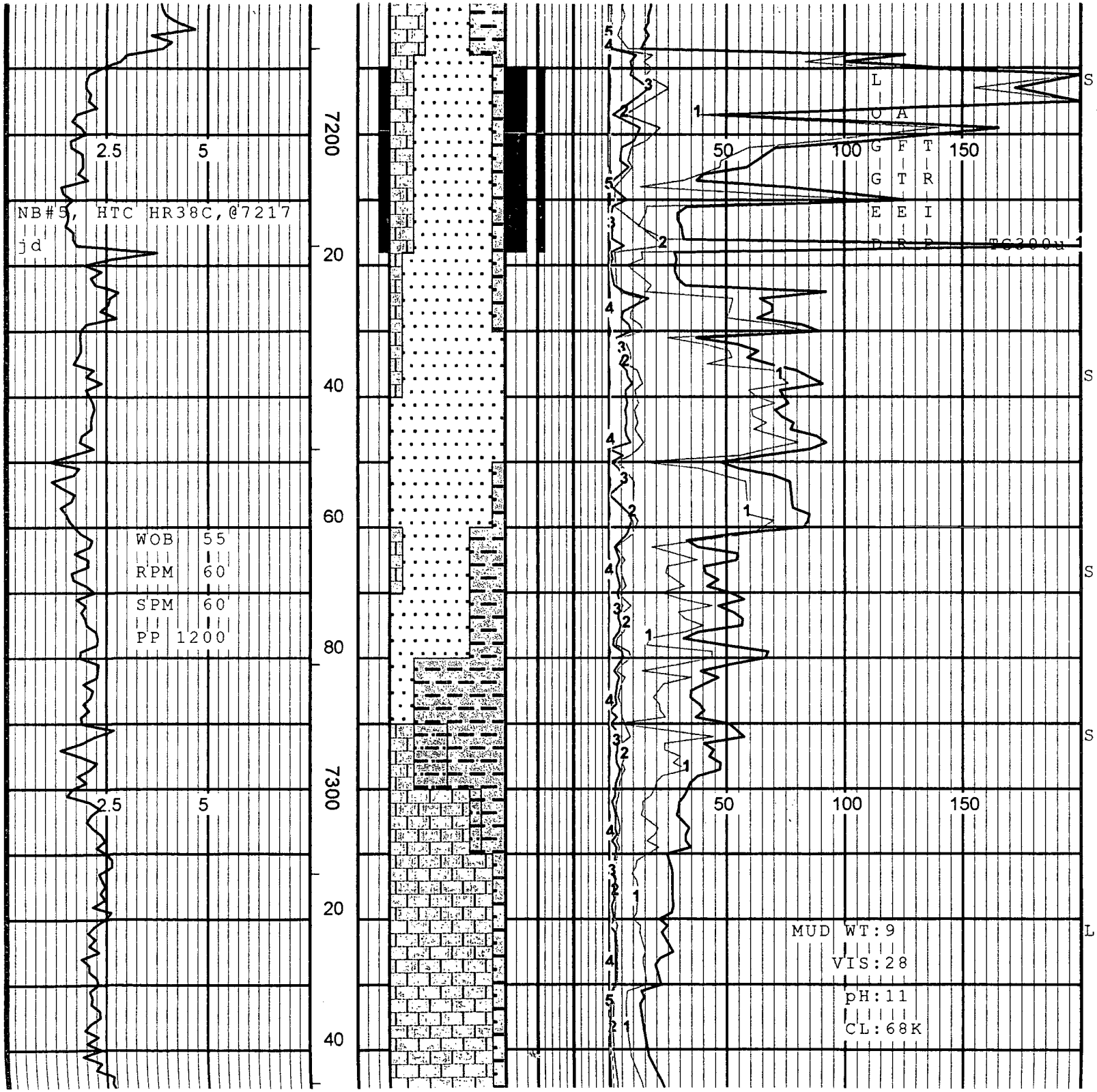
SH:dk brn,brn,blky,frm plty,sme slty,grtty, mic pyrtc,sme mic mic a,lmy

LS:brn,lt brn,off wht, mic xln,dns,frm-mod hrd,sme silic,sme mot sme shly

SS:clr,frstd,vfn fn gr sbang,sbrndd,pr srtd, unconsl

SH:v/dk gry,dk brn,brn blky,plty,frm-mod sft sme mic mica,sme mic pyrtc,lmy


REBOOT
TELE 1 DEG @ PASON
7051
INC WOB TO
55 K
1 3/4deg
@7122
1/18/04
WOB 5
RPM 60
SPM 58
PASON DOWN NO ROP OR GASSES
MW 9
VIS 28
PH 10
CL 72 K
2.5
5
50
100
150
7100
LS:dk gry,gry,dk brn, brn,mic xln,dns,frm-mod sft,abndnt chlky, abndnt shly
SS:lt gry,frstd,clr,vf fn gr,sbang,sbrndd, mod srtd,consl calc c cmt,sme unconsl
SH:v/dk gry,gry,dk brn brn,blky,plty,frm-mod sft,sme mic mica,sme mic pyrtc,lmy
SS:gry,frstd,clr,tn,vf gr,sbang,sbrndd,mod srtd,consl calc cmt, sme unconsl,
SS:lt gry,frstd,clr,vf gr,sbang,sbrndd,wll srtd,unconsl,no show in smpls
SS:lt brn,frstd,clr,vf gr,sbang,sbrndd,mod srtd,consl calc cmt, fria,drty,argil



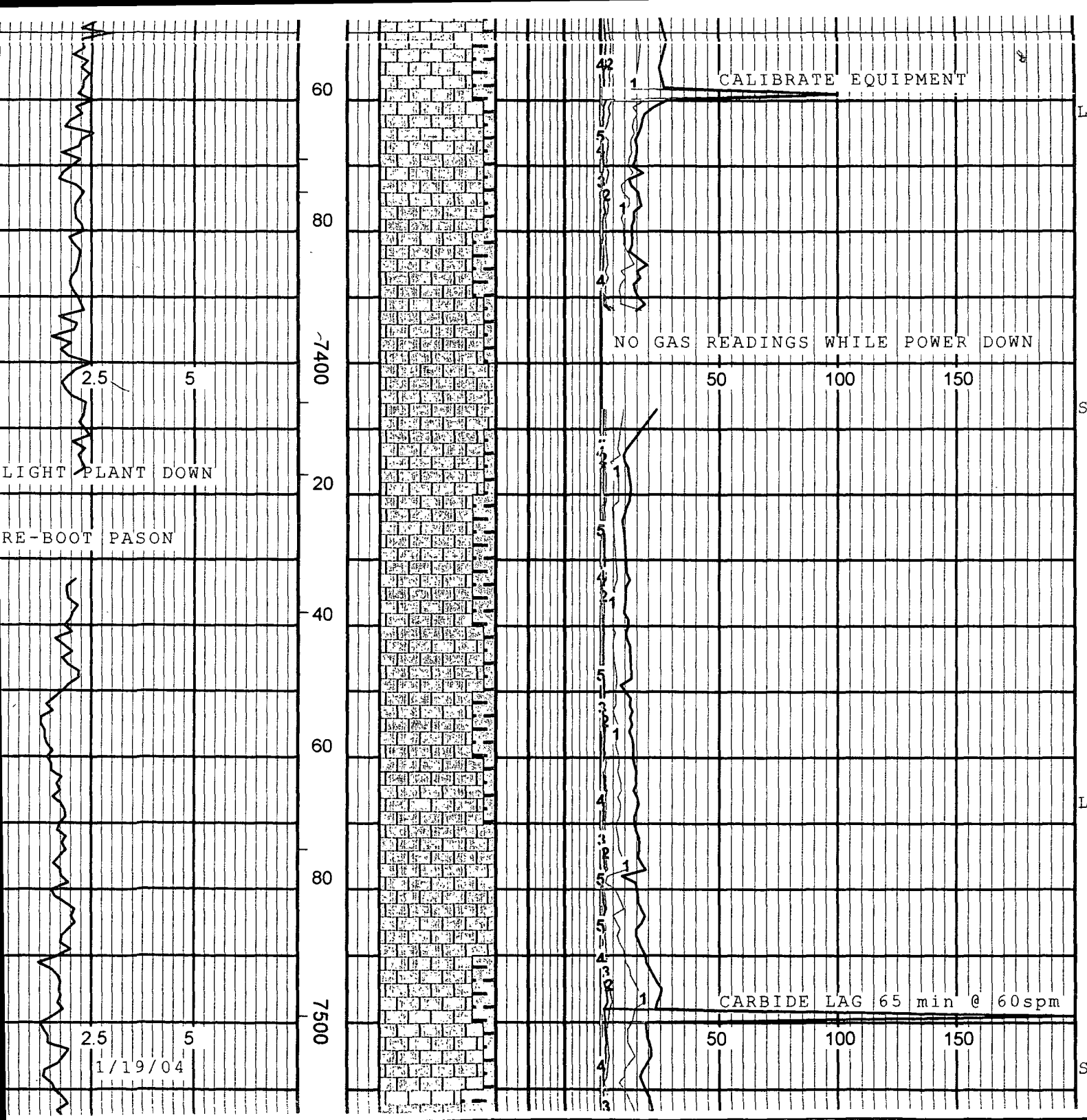
SS:frstd,lt gry,off wht,clr,v/fn gr,predm uncons,sme uncon, s/ang,mod srtd,10-15% yll fluor,fr yll wet cut w/yll strmrs.

SS:frstd,lt gry,clr, v/fn gr,predom uncons sme lsly cons,s/ang-s/rndd,mod srtd.

SH:drk brn-blk,drk gry blk,blky,v/frm-hrd, crmbly,slty,sme carb.

SLTSTN:drk gry-drk brn blky,v/frm-hrd,shly, grdng-shly SS.

LS:lt gry,gry,off wht, tr buff,mstly micro-v/fn xln,mod dns, chlky ip,sli-v/argill

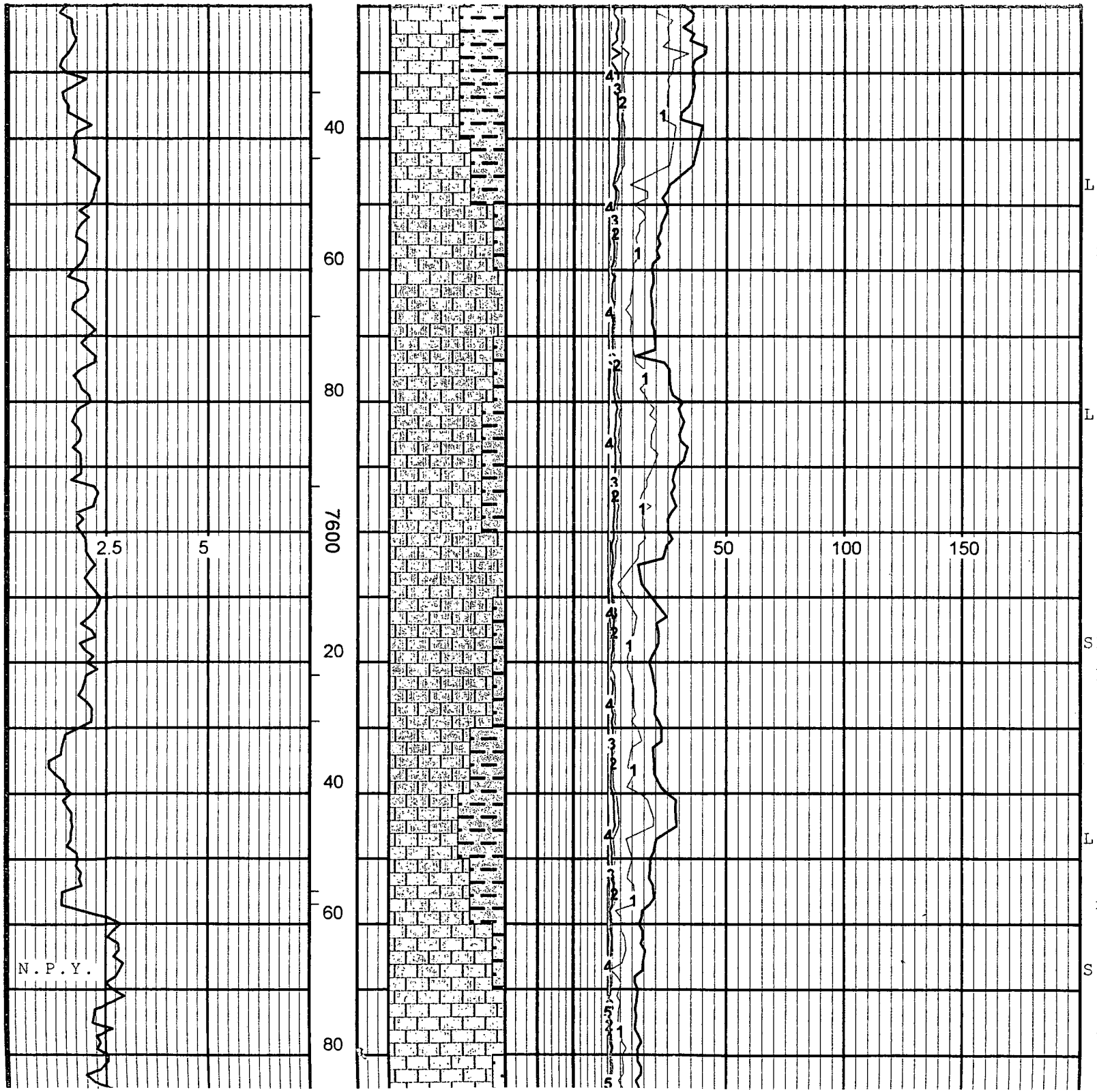


LS:gry,lt gry,off wht, buff,micro-v/fn xln, mod dns,sme chlky, sli-v/argill,sme grdg -lmy SH.

SH:drk brn,drk gry-blk blky,v/frm-hrd,crmbly ip,slty ip,lmy.

LS:lt gry,gry,off wht, tr buff,drk brn,mstly micro-v/fn xln,mod dns,chlky ip,sli-v/ argill.

SH:blk,drk gry-blk,drk brn,blky,v/frm-frm.



carb,lmy ip.

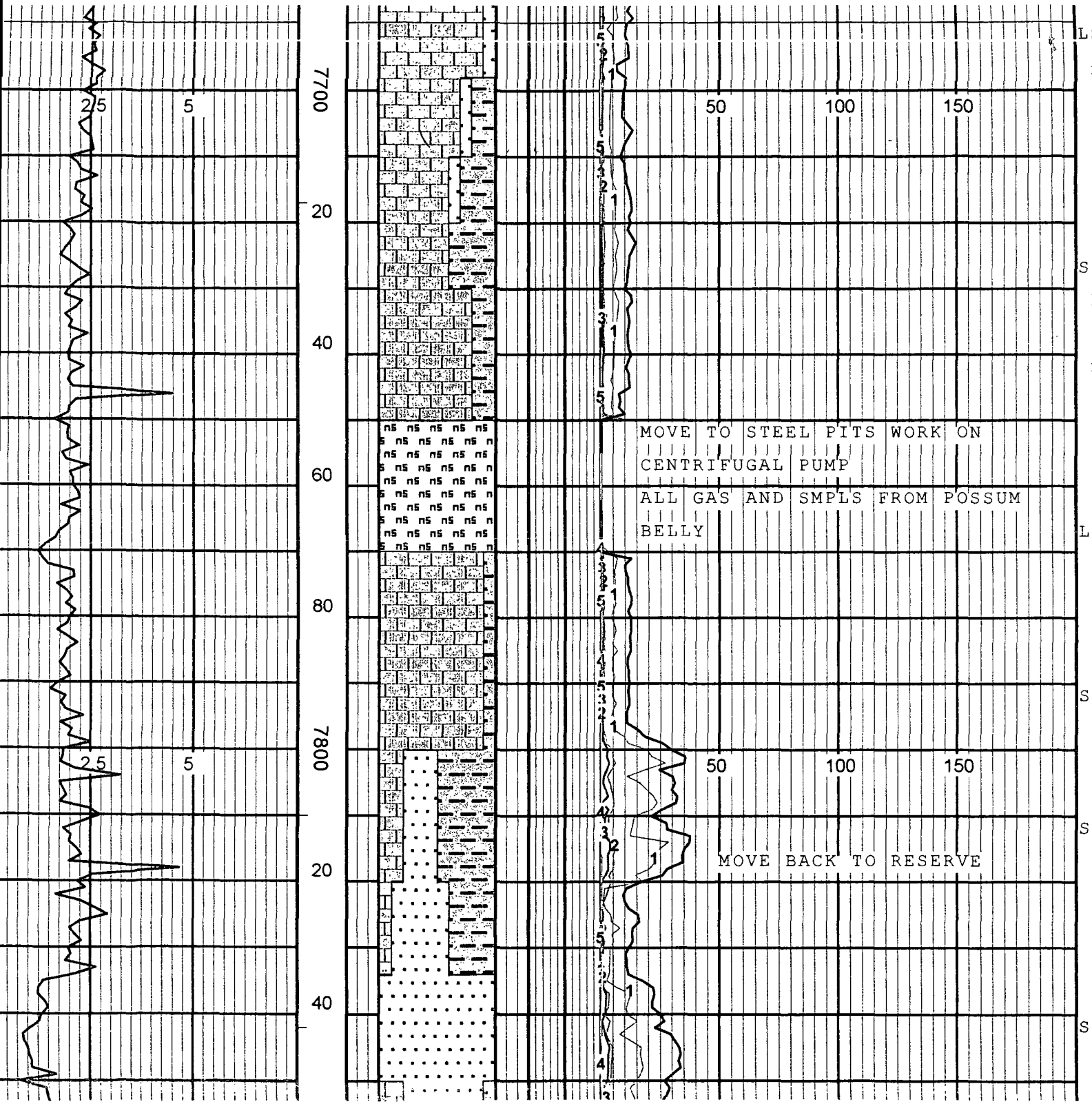
LS:lt gry,gry,buff,tn, brn,micro-v/fn xln, mod dns,chlky,v/argil sme grdng-lmy SH.

LS:off wht,lt gry,gry, drk gry-brn,mstly mic -v/fn xln,mod dns,frm v/frm,sme v/shly.

SH:drk brn,drk gry-blk blky,v/frm-frm,sli carb,lmy,mica ip.

LS:dk brn,brn,dk gry, gry,mic xln,dns,frm-mod sft,sme argil

SS:frstd,clr,vf gr,sb-ang,sbrndd,mod srtd, unconsl



LS:gry,dk gry,dk brn, mic xln,dns,frm-mod sft,abndnt v/shly

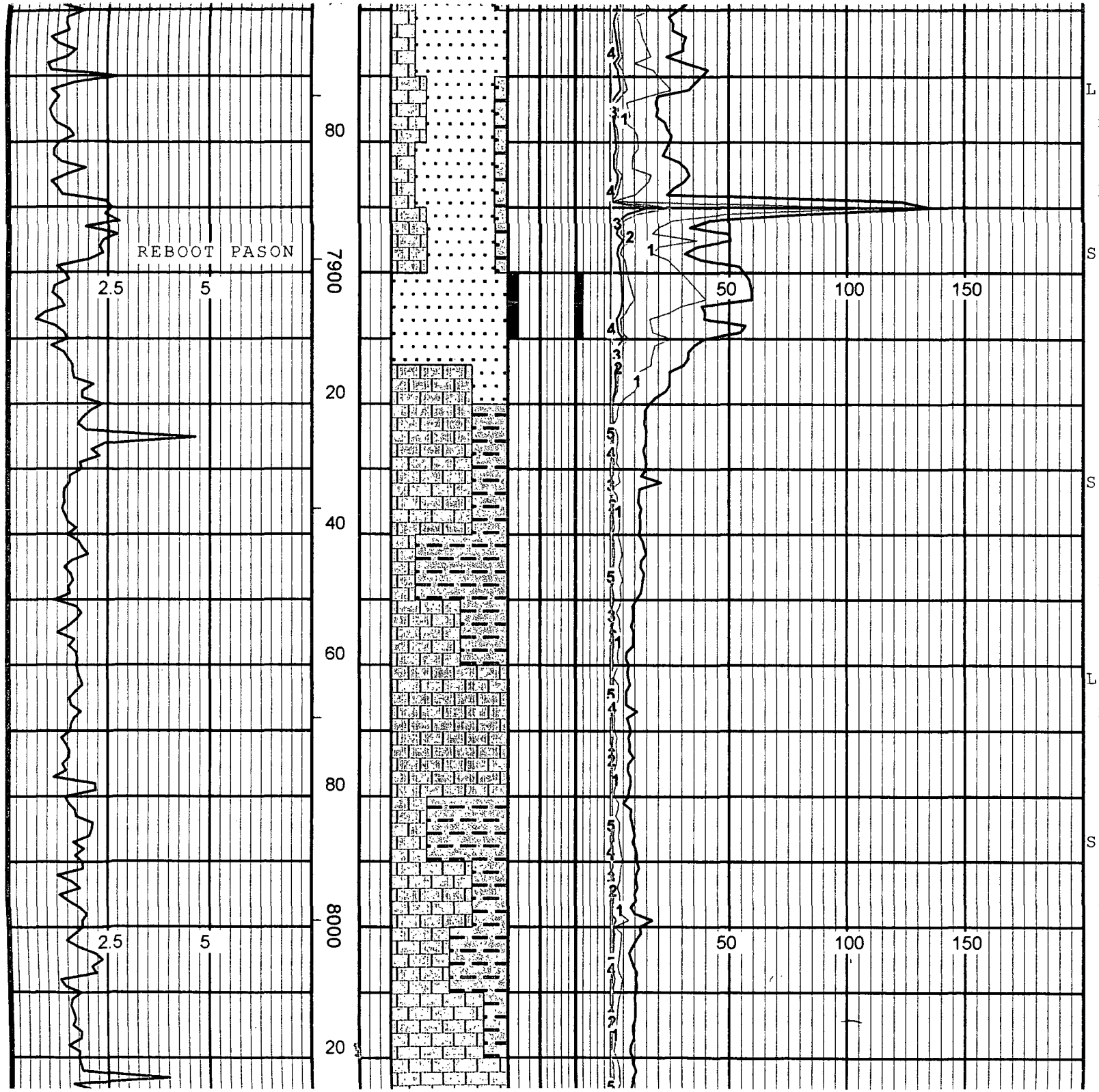
SH:dk gry,gry,dk brn brn,blky,plty,frm-mod sft,sme mic pyrtc,sme mic mica,lmy,grdng to v/shly ls

LS:lt brn,brn,gry,mic xln,dns,frm-mod sft, sme mic mica,argil in prt

SS:lt brn,frstd,clr,vf -slt gr,sbang,sbrndd, mod srtd,consl calc c cmt,sme unconsl

SH:v/dk gry,gry,blky, plty,v/slty,grtty,rff sme mic mica,sme mic pyrtc,lmy sndy

SS:lt gry,frstd,clr,vf gr,sbang,sbrndd,wll srtd,consl calc cmt,



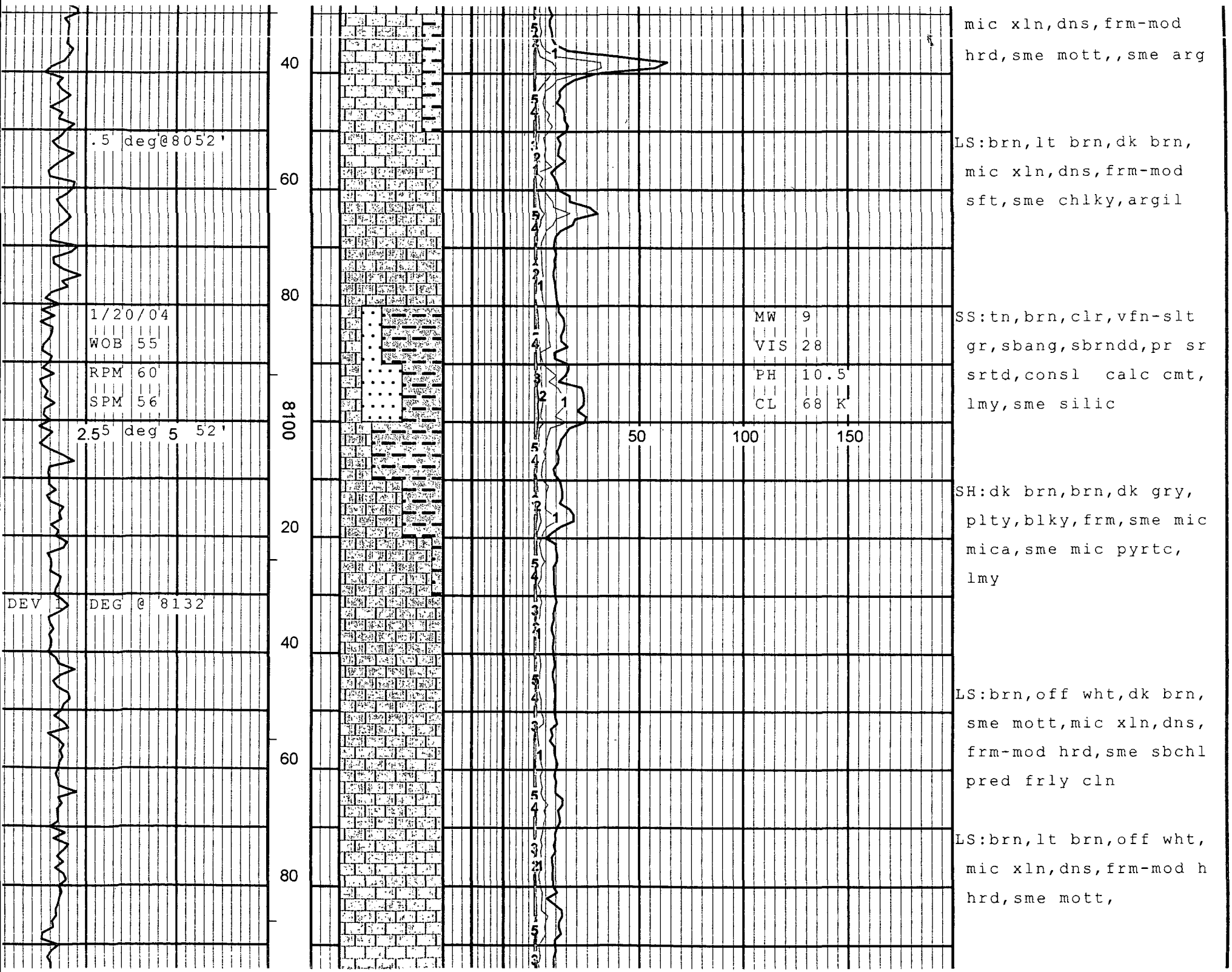
LS:brn,lt brn,off wht, mic xln,dns,frm-mod sft,sbchlky,argil in prt

SS:lt tn,frstd,clr,vfn gr,sbang,sbrndd,wll srtd,consl calc cmt, sme unconsl,v/pr lt grn ct,10 % dk brn-blk st,no flu,sme fltng grns,sli odor

SH:v/dk gry,gry,dk brn blky,plty,frm-mod sft slty,grtty,rff,sme mi mic mica,sme mic pyrt lmy

LS:brn,lt brn,off wht, mic xln,dns,mod hrd-frm,sme mott,

SH:dk brn,brn,dk gry, gry,blky,plty,frm,sme mic mica,sme mic pyrt lmy


.5 deg@8052'
1/20/04
WOB 55
RPM 60
SPM 56
2.5 deg 52'
DEV 1 DEG @ 8132'
MW 9
VIS 28
PH 10.5
CL 68 K
40
60
80
8100
20
40
60
80
50
100
150
mic xln,dns,frm-mod hrd,sme mott,,sme arg
LS:brn,lt brn,dk brn, mic xln,dns,frm-mod sft,sme chlky,argil
SS:tn,brn,clr,vfn-slt gr,sbang,sbrndd,pr sr srtd,consl calc cmt, lmy,sme silic
SH:dk brn,brn,dk gry, plty,blky,frm,sme mic mica,sme mic pyrtc, lmy
LS:brn,off wht,dk brn, sme mott,mic xln,dns, frm-mod hrd,sme sbchl pred frly cln
LS:brn,lt brn,off wht, mic xln,dns,frm-mod h hrd,sme mott,

Injection Permit Checklist (7/8/08)

Case ______ R-______ SWD 1171 WFX______ PMX______ IPI______ Permit Date 3/27/09 UIC Qtr (J F M)

Wells 1 Well Name: MILKY Way Fee SWD #2

API Num: (30-) 015-33150 Spud Date: 2004 New/Old: N (UIC primacy March 7, 1982)

Footages 660 FNL/660 FWL Unit D Sec 9 Tsp 22S Rge 27E County Eddy

Operator: Marbob Energy Corp Contact Brian Collins

OGRID: 14049 RULE 40 Compliance (Wells) OK (Finan Assur) OK

Operator Address: PO BOX 227, Artesia, NM 88211-0227

Current Status of Well: ______

Planned Work to Well: ______ Planned Tubing Size/Depth: 2 7/8 @ 6275'

	Sizes Hole.......Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing ✓ Surface	17 1/2, 13 3/8	403	475	CIRC
Existing ✓ Intermediate	12 1/4 / 8 3/4, 9 5/8 / 7"	1112 / 7000	580/1550	CIRC/CIRC
Existing ✓ Long String	6 1/8, 4 1/2		340	7175 TS

DV Tool 5281 ~~Liner~~ ~~Open Hole~~ Total Depth 11830 PBTD ______

Well File Reviewed ✓

Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: ✓

(Well is Just East of Carlsbad)

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	5193	BS Top	
Injection...... Interval TOP:	6315	Bone S.	
Injection.......... Interval BOTTOM:	8110	Bone S.	
Below (Name and Top)	9400 - 9800	Wolfcamp	

3 B.S. intervals

1263 PSI Max. WHIP

~~Open Hole (Y/N)~~

~~Deviated Hole?~~

Sensitive Areas: Capitan Reef <1800 off EDGE ~~Cliff House~~ Salt Depths ______

.... ~~Potash Area (R-111-P)~~ NO ~~Potash Lessee~~ ~~Noticed?~~

Fresh Water: Depths 0-400' Wells(Y/N) Yes Analysis Included (Y/N): ✓ Affirmative Statement ✓

Salt Water: Injection Water Types: Del Analysis? ______

Injection Interval.....Water Analysis: — Hydrocarbon Potential ______

Notice: Newspaper(Y/N) ✓ Surface Owner Private Mineral Owner(s) ______

RULE 701B(2) Affected Parties: Chevron/Mewbourne/Blair Mad Murphy Fast/Chesapeak

Area of Review: Adequate Map (Y/N) ______ and Well List (Y/N) ______

III Active Wells 3 Num Repairs ______ Producing in Injection Interval in AOR ______

II ..P&A Wells 2 Num Repairs ______ All Wellbore Diagrams Included? ______

Questions to be Answered:

Set & Test PLUG @ 8900'

UPPER BS = ?

BS production = ?

Goods: 5710-5780 = ? 5900-5980 = ? 5260-5320 = ?

Required Work on This Well: ______ Request Sent ______ Reply: ______

AOR Repairs Needed: ______ Request Sent ______ Reply: ______

Request Sent ______ Reply: ______

Proposal to Test THIS interval, but none Surely shows a test