MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

September 22, 2014

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: Mr. Phillip Goetze

Re: Santo Nino 29 Federal SWD #1

Mr. Goetze,

Mewbourne Oil Company has verified that the revised surface location for the Santo Nino 29 Federal SWD #1 well from 1980' FNL & 1980' FEL to 1932' FNL & 1923' FEL does not adversely affect any additional offset owners based on the new area of review. All offset owners on record in sections 20, 28, and 29 T18S, R30E Eddy County, NM were notified and no objections were received within the prescribed waiting period.

Additionally, no wells were found within the new half-mile radius that penetrate the Devonian formation.

We respectfully request an amended order for Administrative Order SWD-1470 issued on March 26, 2014 to reflect the new location mentioned above.

Should you have any questions, please email me at tcude@mewbourne.com or call me at (432) 682-3715.

Sincerely yours,

MEWBOURNE OIL COMPANY

Travis Cude
Reservoir Engineer

Goetze, Phillip, EMNRD

From: Antonio Martinez <amartinez@mewbourne.com>
Sent: Wednesday, September 17, 2014 3:10 PM
To: Goetze, Phillip, EMNRD
Subject: Santo Nino 29 SWD Fed #1
Attachments: 20140917135559.pdf

Phillip

Attached is a CNL w/Gamma Ray/CCL showing where the top of the Devonian is at as well as a water sample for the Santo Nino 29 SWD Fed #1 (API# 30-015-28698). We set the casing at 12673' and we set the injection packer @ 12628'. Let me know if you anything else.

Thanks

Antonio Martinez

ALLIED WIRELINE

Compensated Neutron Log W/Gamma Ray/CCL

Company	Mewbourne Oil Company
Well	Santo Nino "29" SWD #1
Field	Devonian
County	Eddy
State	New Mexico

Company Mewbourne Oil Company
Well Santo Nino "29" SWD #1
Field Devonian
County Eddy State New Mexico

Location: API #: 30-015-28698
1932' FNL & 1923' FEL
SEC 29 TWP 18S RGE 30E

Permanent Datum	Ground Level	Elevation	3453'
Log Measured From	Kelly Bushing	Elevation	18' APD
Drilling Measured From	Kelly Bushing		

Elevation	
K.B.	3471'
D.F.	3470'
G.L.	3453'

Other Services
RCBL

Date	02-SEP-2014
Run Number	One
Depth Driller	13338'
Depth Logger	13320'
Bottom Logged Interval	13319'
Top Log Interval	Surface
Open Hole Size	7 7/8"
Type Fluid	Water
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	1345
Time Well Ready	1545
Time Logger on Bottom	14036
Equipment Number	Midland
Location	Michael Frieri
Recorded By	Tyler Tupman
Witnessed By	

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	48#	Surface	400'
Prot. String	9 5/8"	24#	Surface	1954'
Production String	5 1/2"	17#	Surface	12673'
Liner				
DV Tool	8994' - 8997'	12660' - 12662'		

Borehole Record			Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

<<< Fold Here >>>

Comments

Log Correlated to Schlumberger Coompensated Neutron Log Three Detector Litho-Density Log
Dated 17-AUG-2014 (Added +10')

Well Logged To 7000' Per Customer Request
Well Logged From 13320' To 12673' In Open Hole

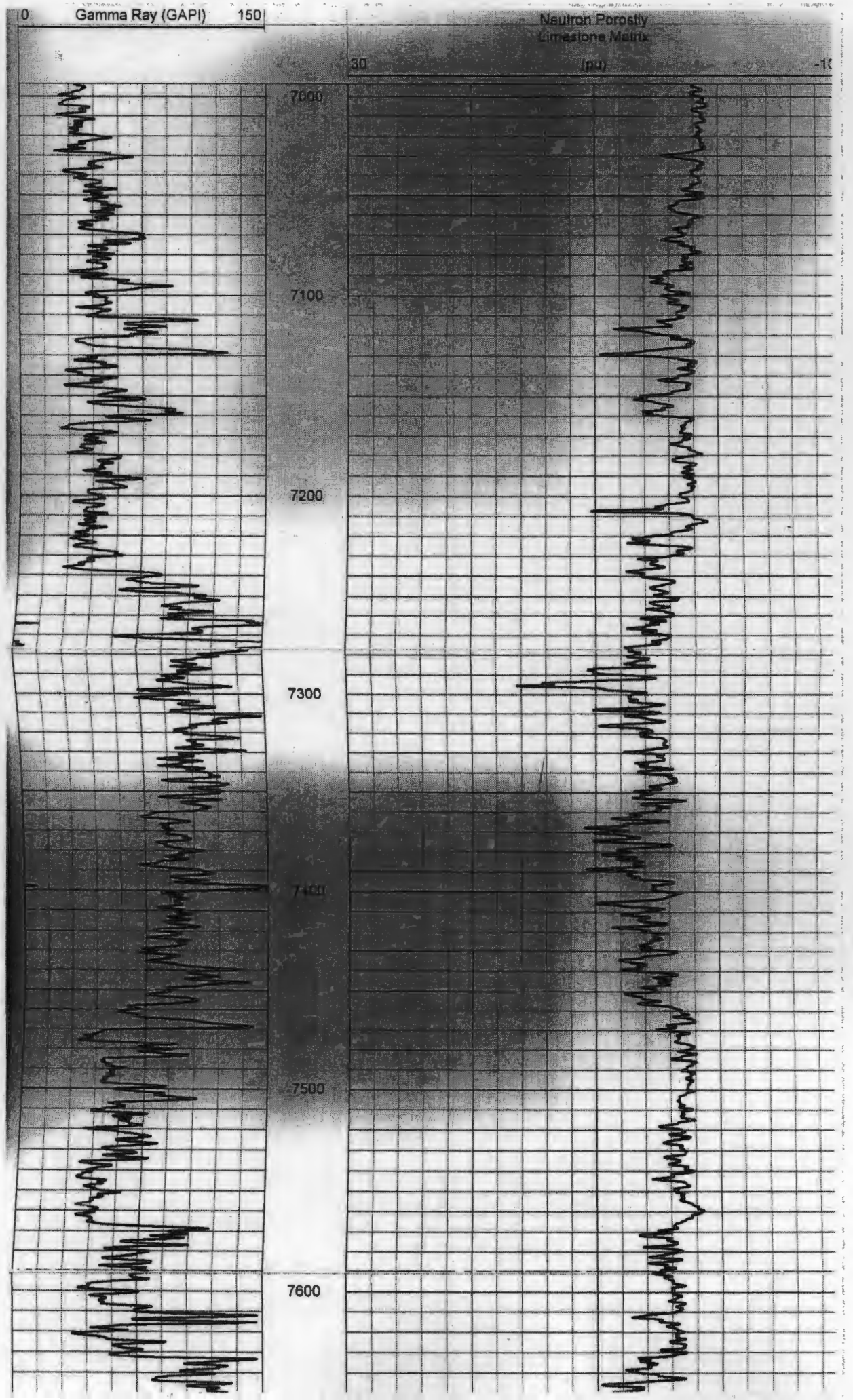
Main And Repeat Pass Logged With Zero PSI At Surface

Thank You For Using Allied Wireline
432-897-1528

ALLIED WIRELINE

Main Pass

Database File:	mewbourne_santo_nino_29_swd_fed#1_rcbl_cnl.db
Dataset Pathname:	Main_Pass
Presentation Format:	cnl2inch
Dataset Creation:	Tue Sep 02 19:53:54 2014 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:600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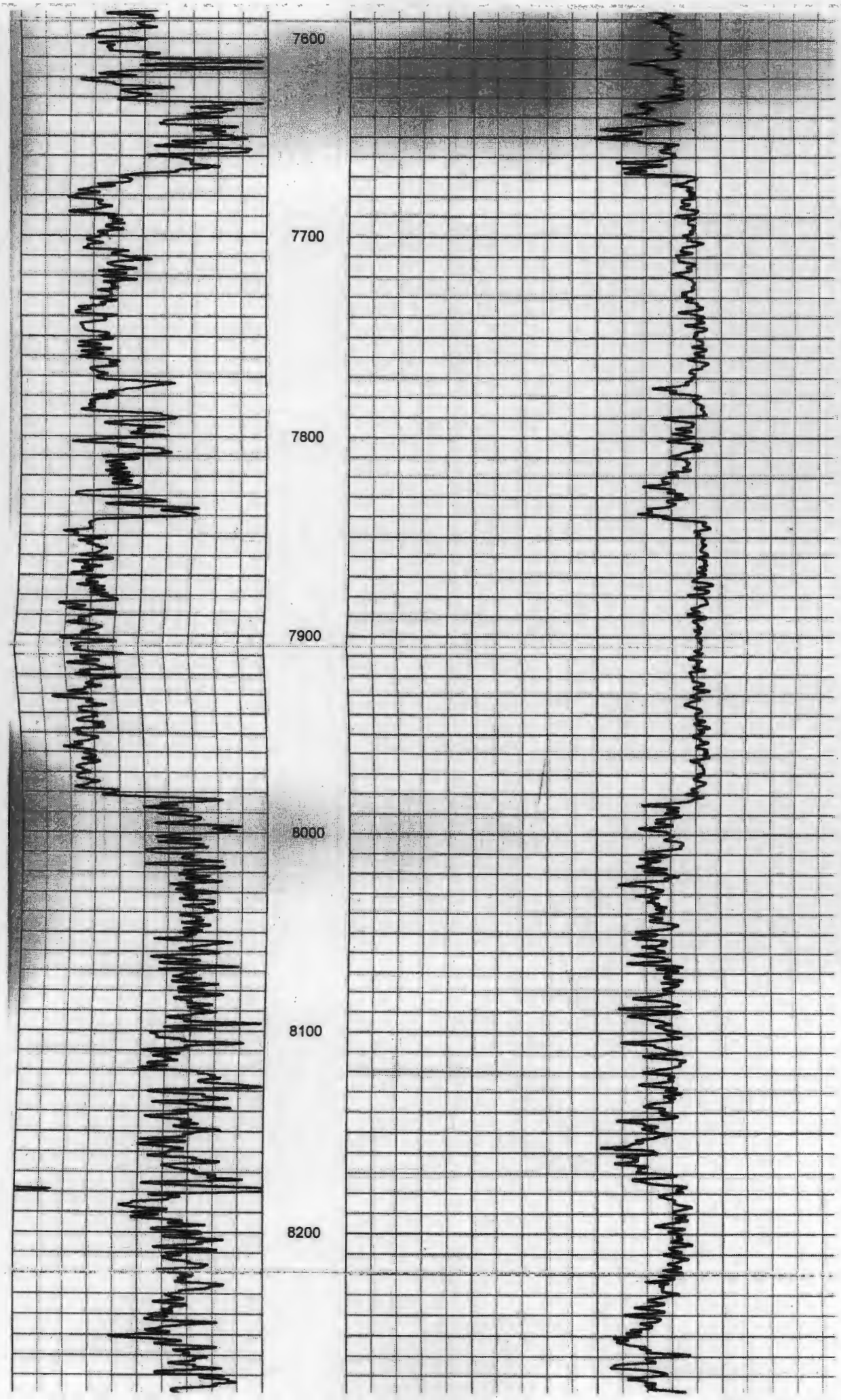
Gamma Ray (GAPI)
150
Neutron Porosity
Limestone Matrix
30
(pu)
-10
7000
7100
7200
7300
7400
7500
7600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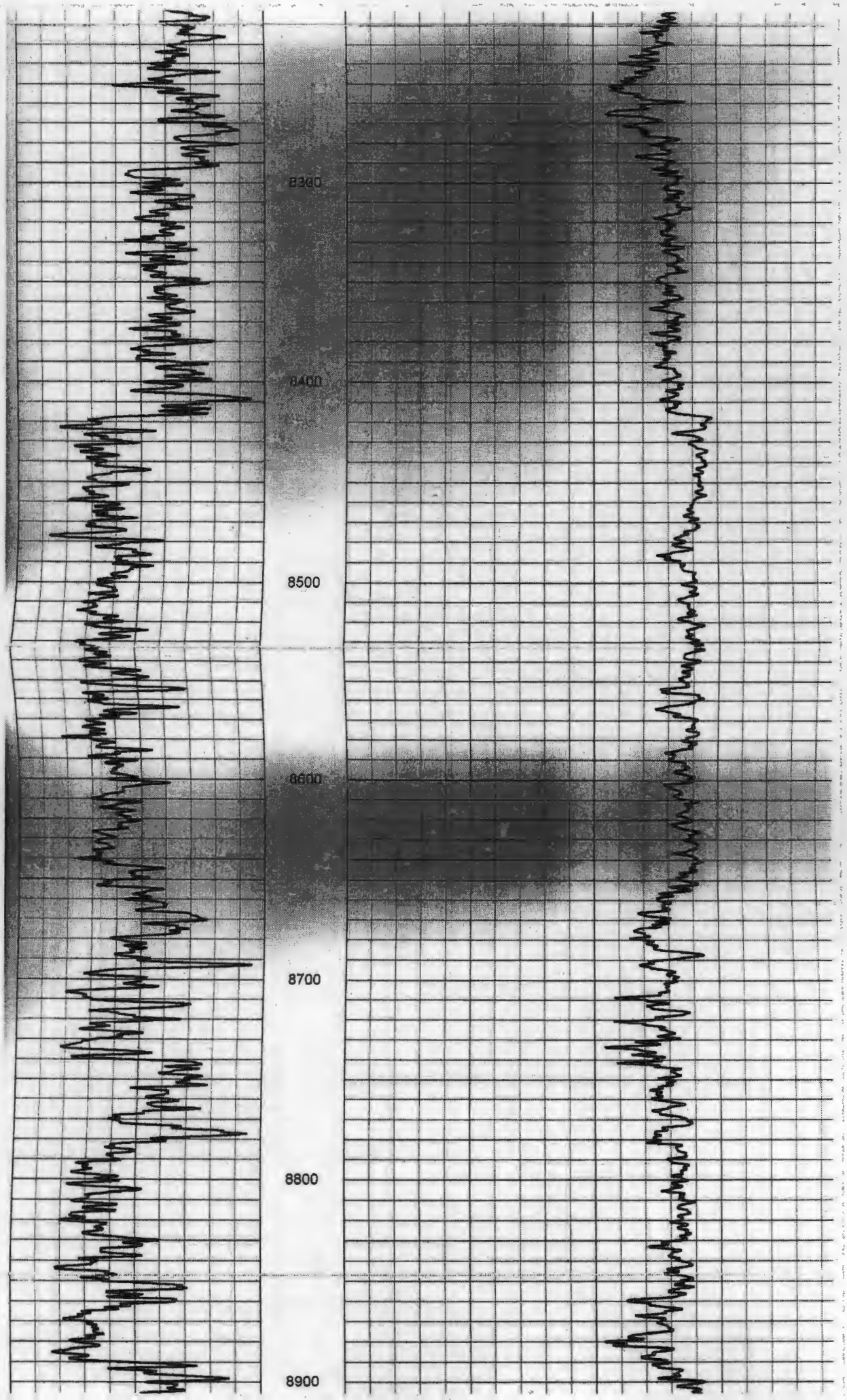
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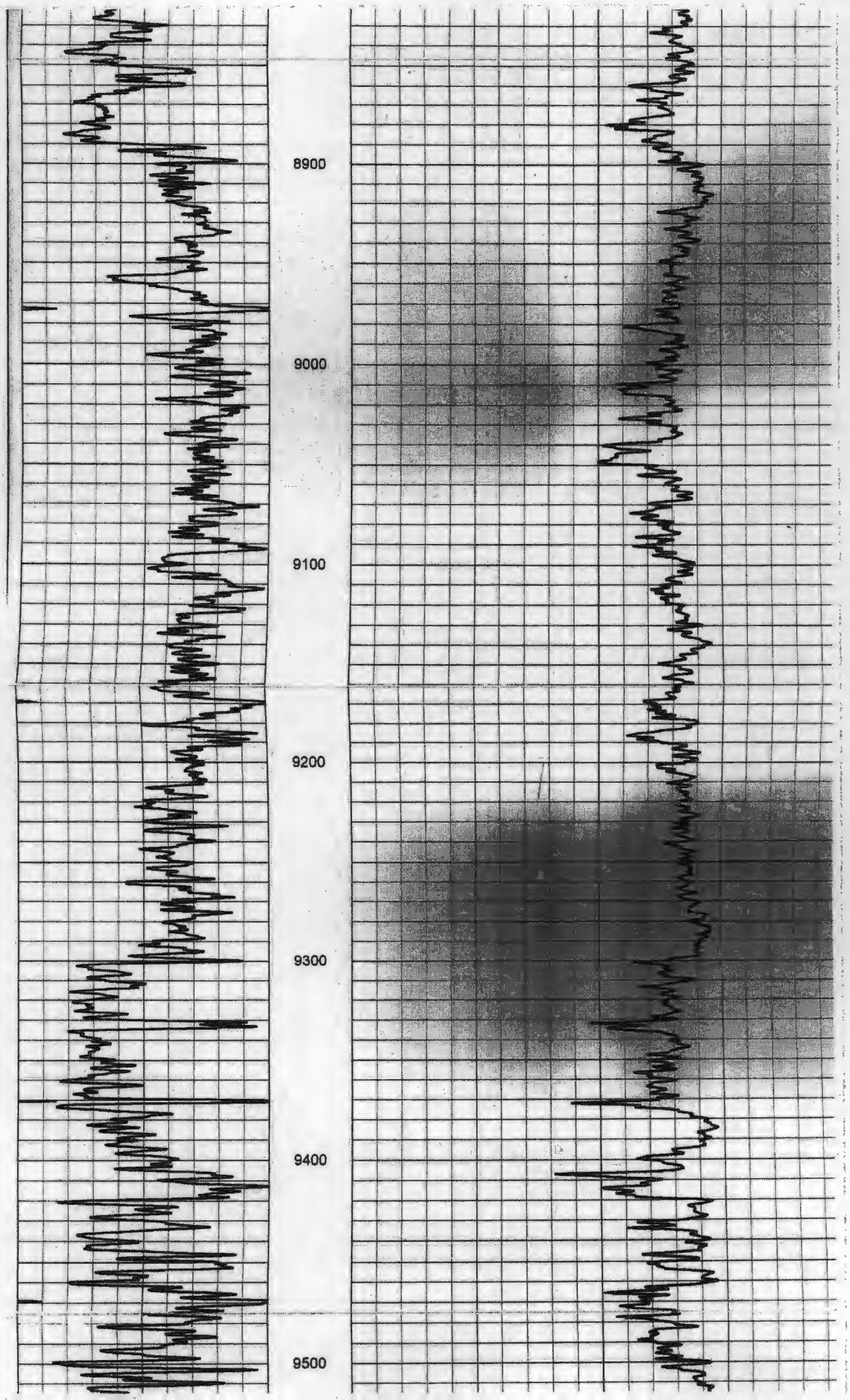
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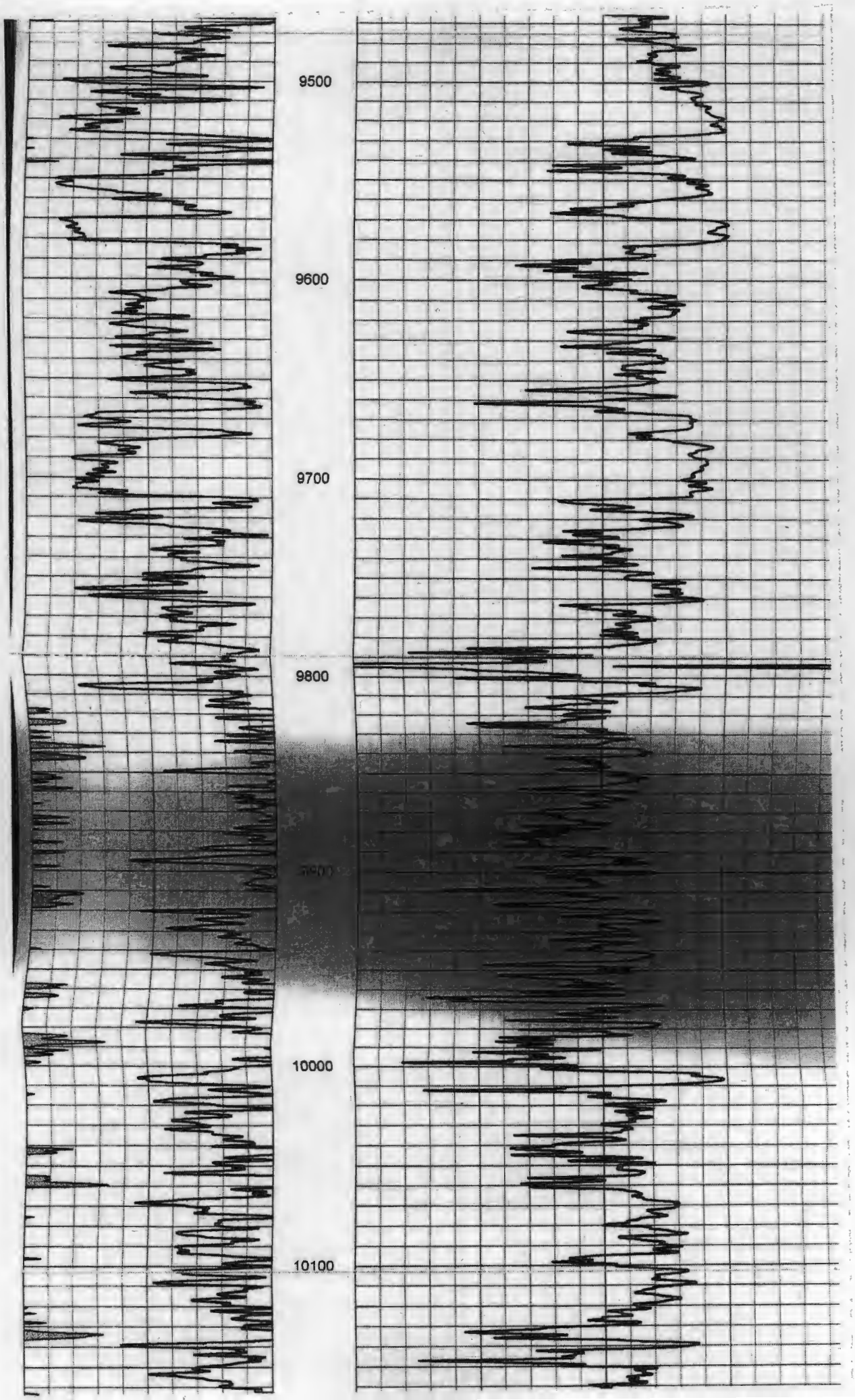
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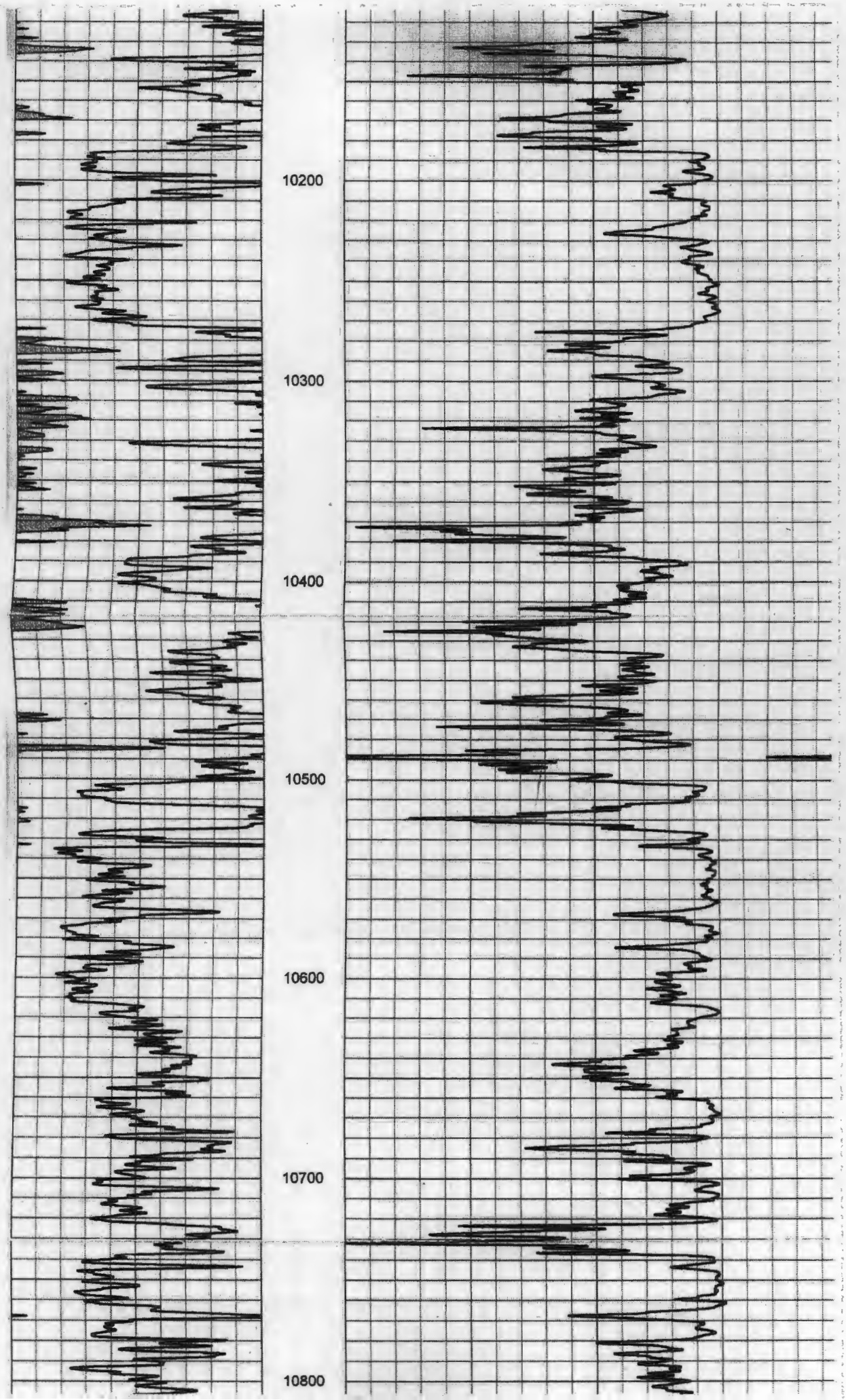
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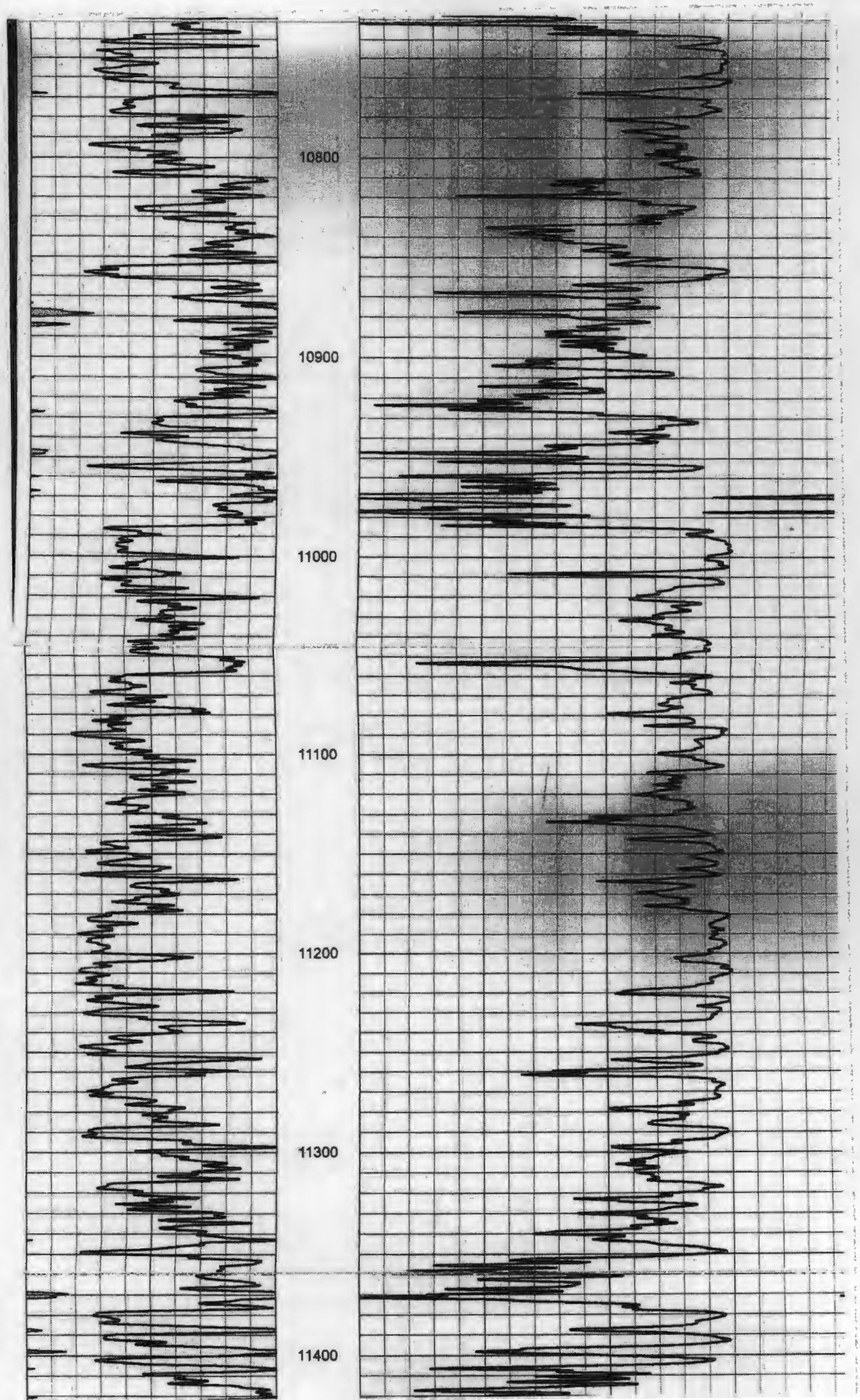
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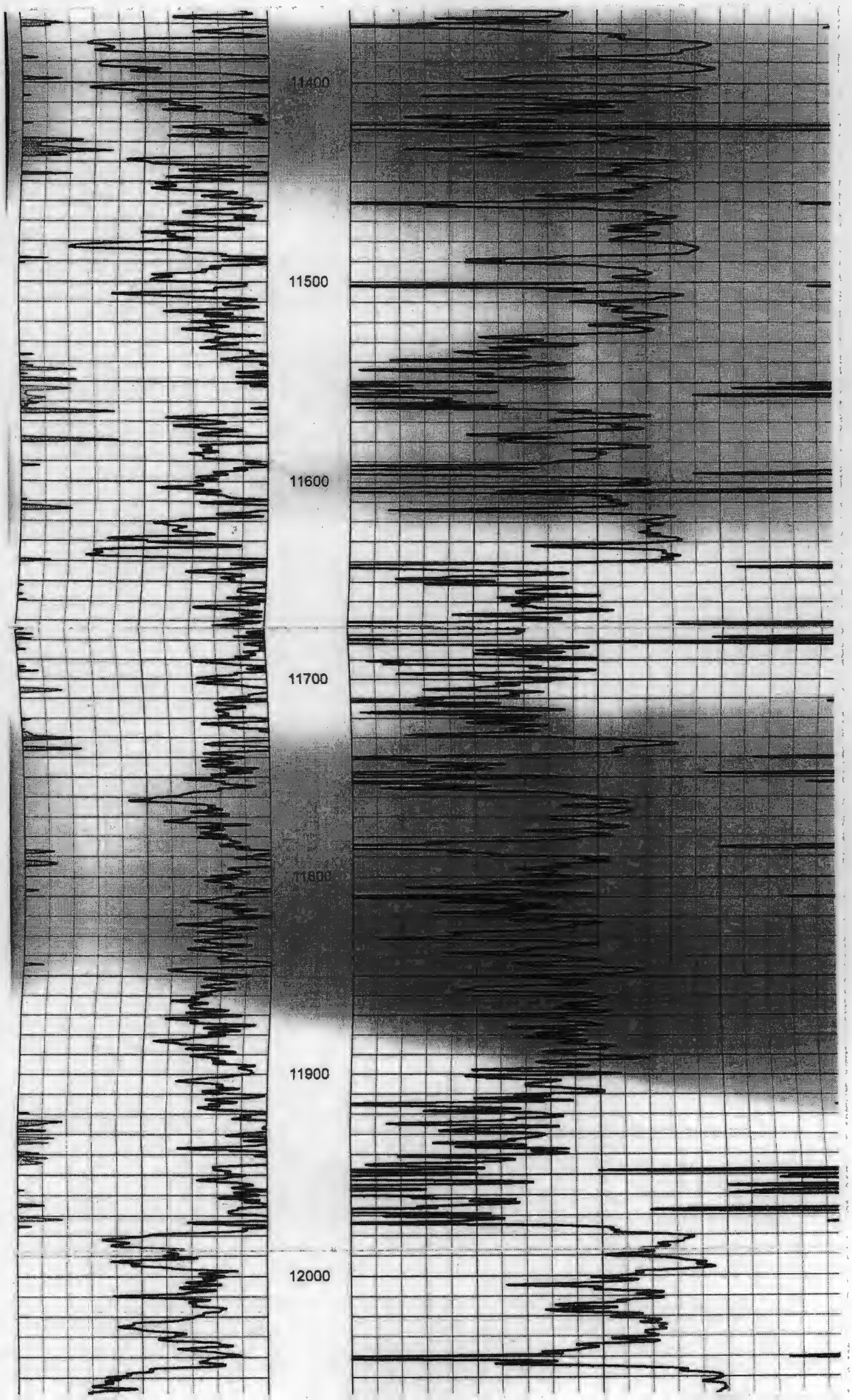
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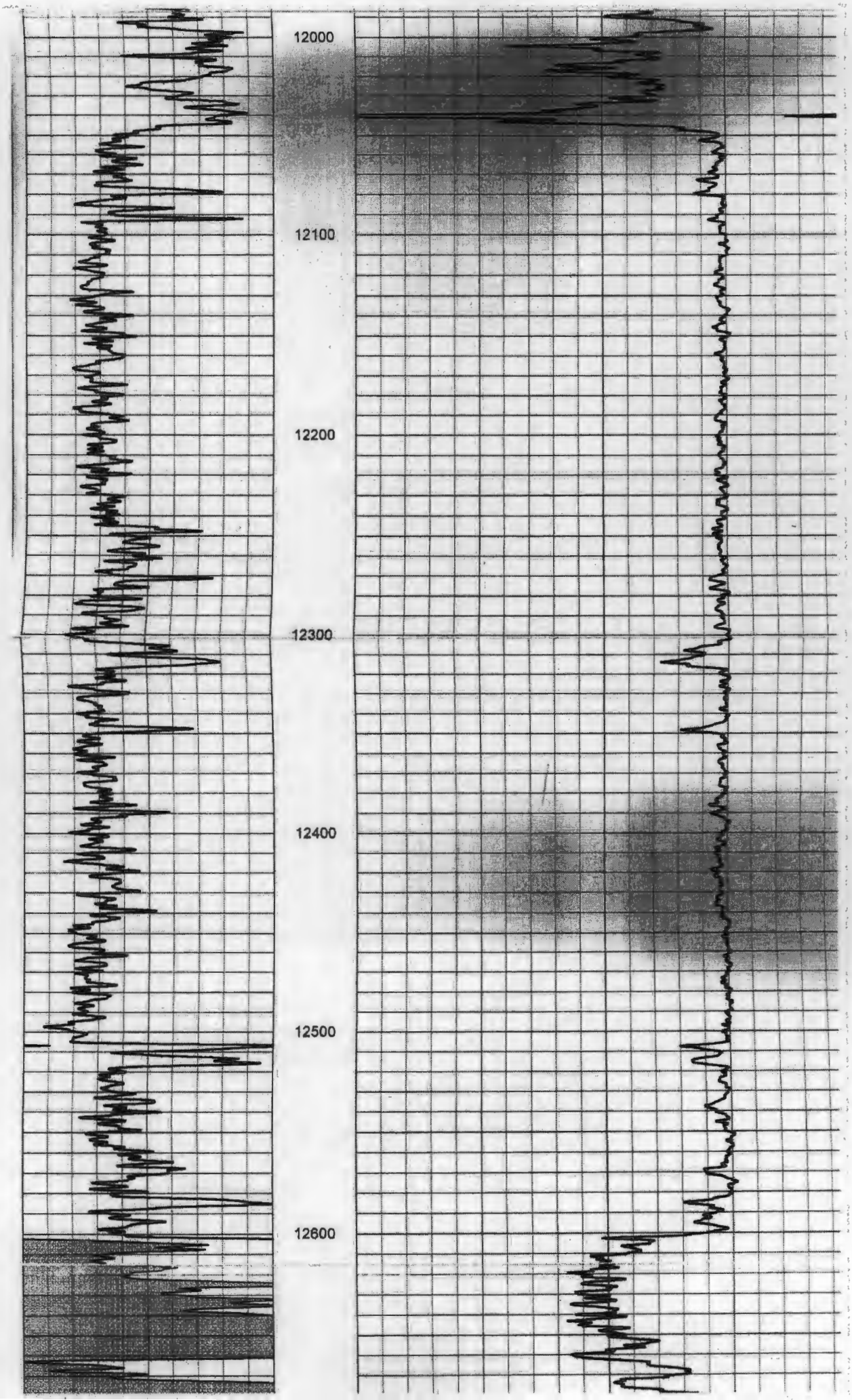
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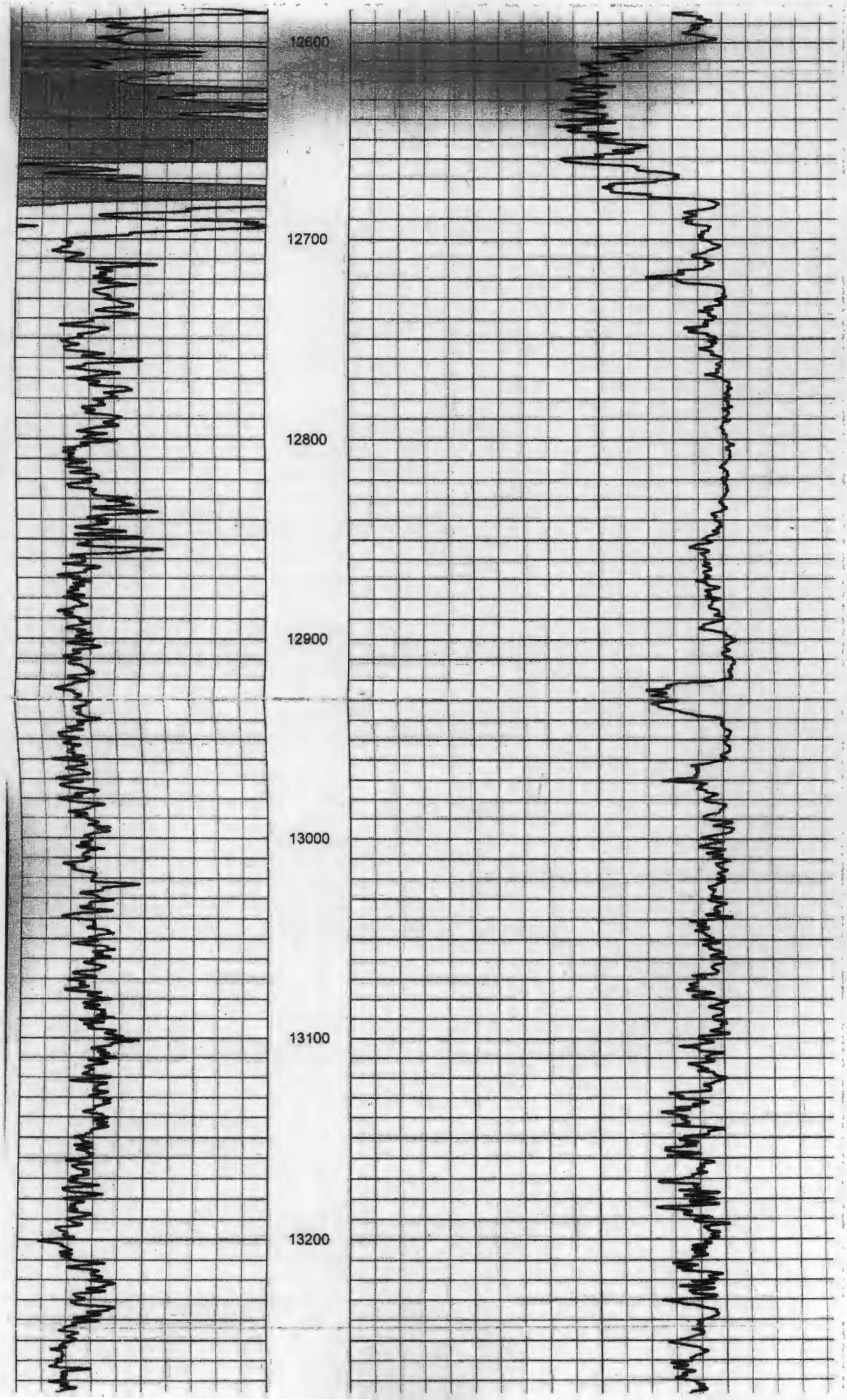
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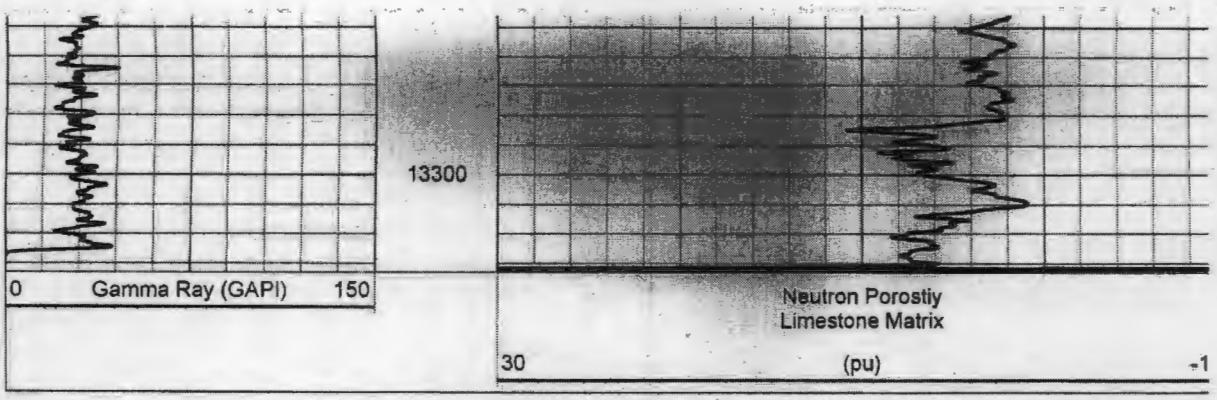


ALLIED WIRELINE

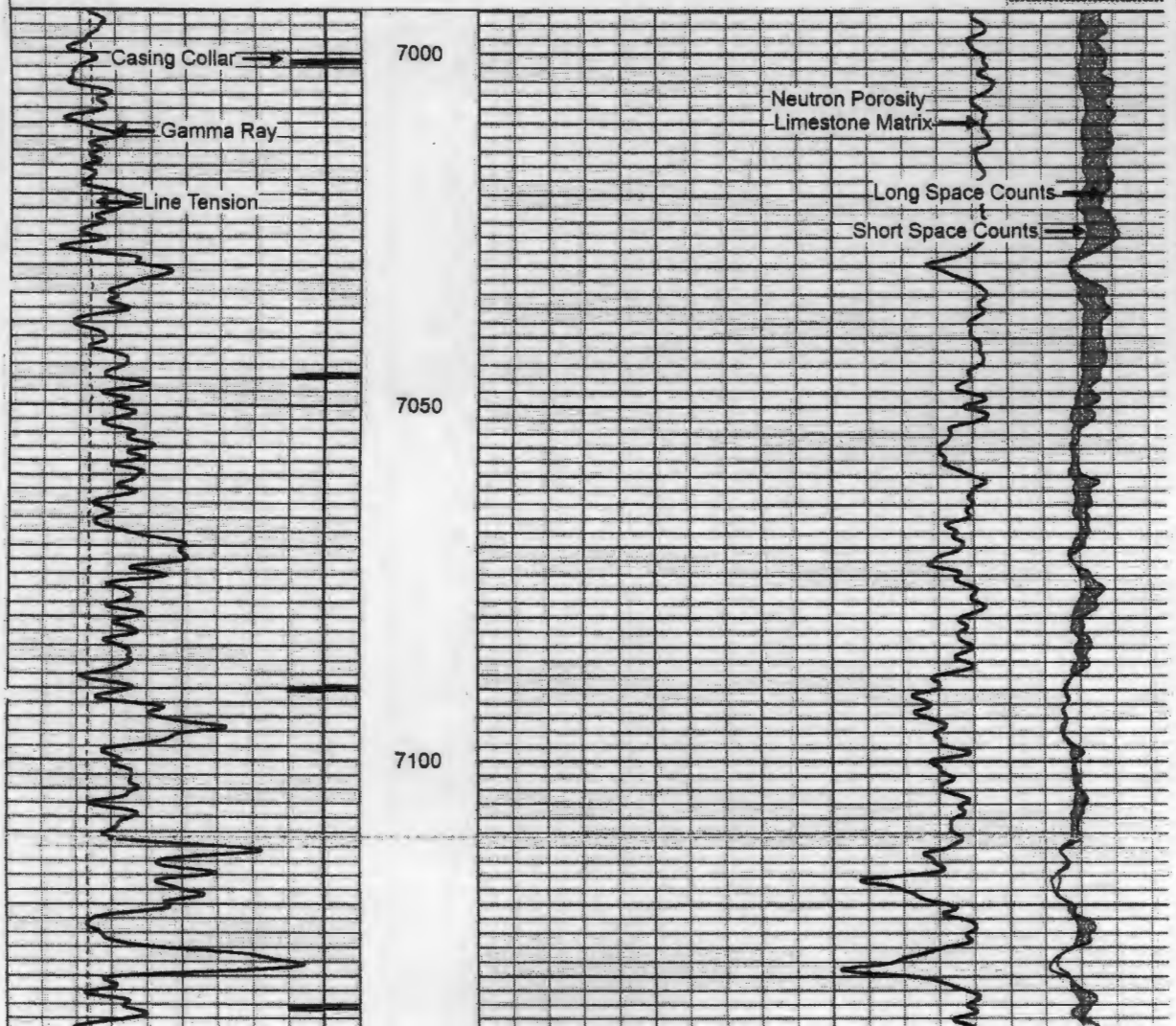
Main Pass

Database File:	mewbourne_santo_nino_29_swd_fed#1_rcbl_cnl.db
Dataset Pathname:	Main_Pass
Presentation Format:	cnlspray
Dataset Creation:	Tue Sep 02 19:53:54 2014 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
9	*Casing Collar*	-1
0	Line Tension (lb)	5000

Neutron Porosity
Limestone Matrix
30 (pu) -1

Long Space Cour
0 (cps) 150
Short Space Cou
0 (cps) 700



SANTO NINO 29 FED SWD 9/15/14

28b. Production – Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Delaware	4326	4715		Top Salt	457
Bone Spring	4715	9301		Base Salt	1251
				Yates	1431
				Seven Rivers	1909
				Queen	2570
				Delaware	4326
				Bone Spring	4715
				Wolfcamp	9301
				Strawn	10527
				Atoka	10782
				Morrow	11181
				~~Mississippian~~	12044
				~~Woodford~~	12602
				Devonian	12680

32. Additional remarks (include plugging procedure)

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* _____ Title _____

Signature _____ Date _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

BAKER HUGHES

Water Analysis

Date: 09-Sep-14

2708 West County Road, Hobbs NM 88240
Phone (575) 392-5556 Fax (575) 392-7307

Analyzed For

Company	Well Name	County	State
Mewbourne	Santonino 29 SWD Fed 1	Lea	New Mexico

Sample Source **Swab Sample** ***Sample #*** **1**

Formation ***Depth***

Specific Gravity	1.060	*SG @ 60 °F*	1.062
pH	6.00	*Sulfides*	Absent
Temperature (°F)	70	*Reducing Agents*	

Cations

Sodium (Calc)	*in Mg/L*	19,037	*in PPM*	17,926
Calcium	*in Mg/L*	10,000	*in PPM*	9,416
Magnesium	*in Mg/L*	1,200	*in PPM*	1,130
Soluable Iron (FE2)	*in Mg/L*	0.3	*in PPM*	0

Anions

Chlorides	*in Mg/L*	50,000	*in PPM*	47,081
Sulfates	*in Mg/L*	350	*in PPM*	330
Bicarbonates	*in Mg/L*	244	*in PPM*	230
Total Hardness (as CaCO3)	*in Mg/L*	35,000	*in PPM*	32,957
Total Dissolved Solids (Calc)	*in Mg/L*	80,832	*in PPM*	76,113
Equivalent NaCl Concentration	*in Mg/L*	76,439	*in PPM*	71,976

Scaling Tendencies

Calcium Carbonate Index* **2,440,000

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

Calcium Sulfate (Gyp) Index* **3,500,000

Below 500,000 Remote / 500,000 - 10,000,00 Possible / Above 10,000,000 Probable

****This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.***

Remarks rw=.09@70f

Report # 3276