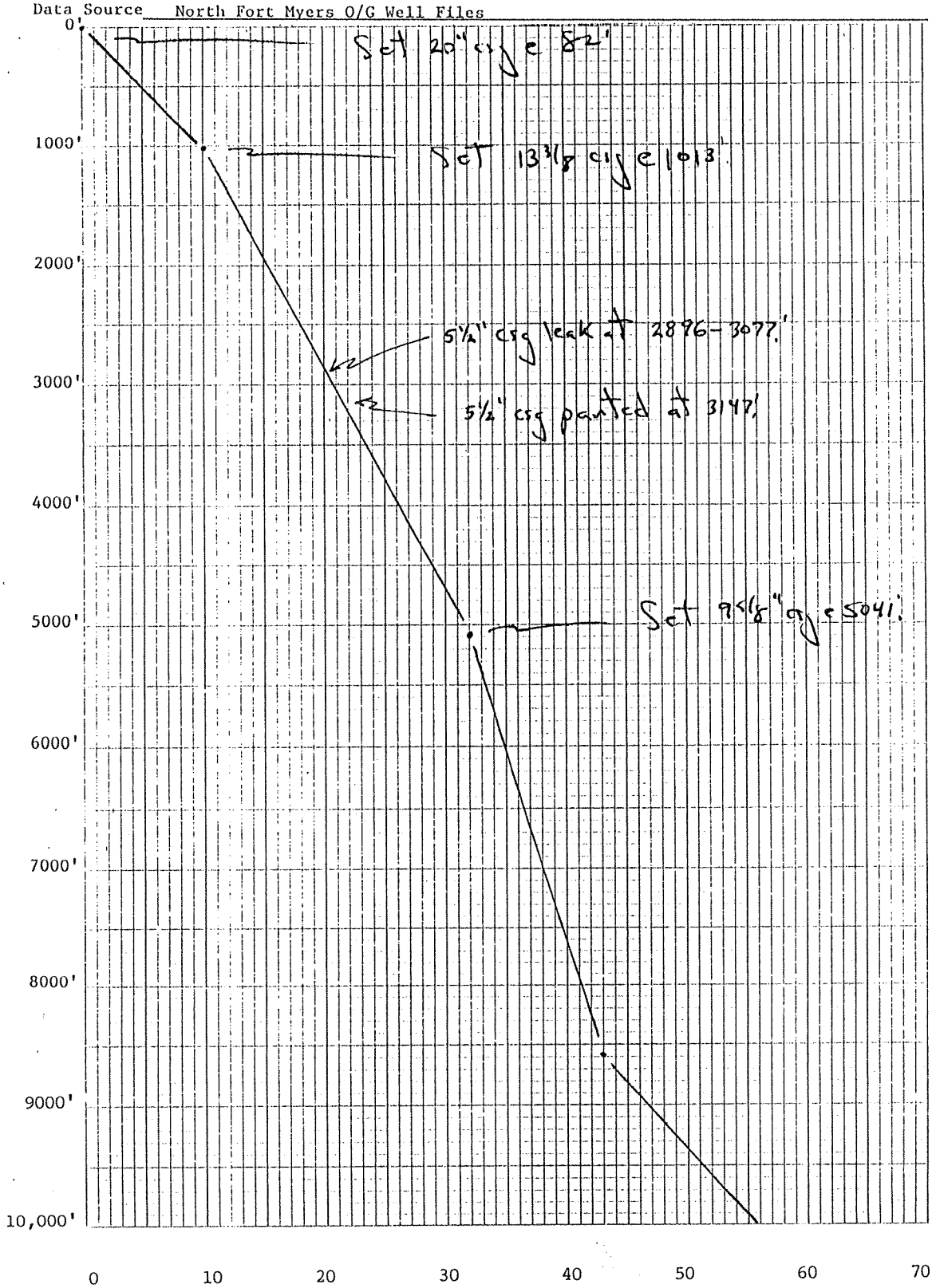
Well No. 82 [W-1787] Elevation G.L. Est. 19' Sunniland Quad D.F. 38.7' K.B.

Location 660' FEL, 660' FSL County Collier

¼ ¼ ¼ Sec. 13 T 48S R 29E TD 11,588'

Well or Owner's Name H.O.R.C. B-1 Lee Tidewater Cypress

Data Source North Fort Myers O/G Well Files



W-1787, Sunniland Quad
82 Humble 1-B, Lee Tidewater Cypress
660' FEL, 660' FSL, Sec. 13, T48S R29E, Collier County
GL ±19' - DF 39'
Spud 5/13/48 - P & A 1/20/90

Brief Lith Log by R. S. Caughey 9/94

82-120	Yellowish gray, v sandy, phos, fos Ls; phos 3-4%; large pelecypod fragment
120-160	Yellowish gray Ls as above; 30% v p o, sandy, fos partially rexal and dolomitized Ls w/o phos; large pelecypod fragment
160-180	Largely loose, f to coarse, Qz sand, a few phos grains/granules; 10-20% v p o Ls as above
180-200	Entirely loose Qz sand, most is f-med, some coarse; a few phos grs/grns
200-220	As above, but Qz sand is mostly med to coarse, a few phos grs/grns; tr v p o Ls
220-240	Entirely Qz sand, f to coarse; 1-2% phos grs/grns
240-260	Largely Qz sand, f to pebble size, most is coarse to pebble; phos 3-5% as grs/grns/pebbles, minor pale greenish yellow v calc Ss
260-280	As above, but now Qz sand is almost entirely f to med, only tr coarse; phos 1-3% grs/some grns
280-300	About equal mixture of Qz sand, f-med w/some coarse and 1-3% phos grs/grns and v p o, sandy, fos Ls and lt gray to lt olive gray, micritic, sl sandy and phos dolomite
300-320	Largely grayish orange, micritic dolomite; some lt olive gray dolomite as above; minor phos
320-340	Largely dk yellowish orange, micritic, fos dolomite; some loose m-coarse Qz sand; minor phos
340-360	Largely loose Qz sand, most f-med, some coarse; some dolomites as above; phos ±1%
360-380	Ss, most yellowish gray and med to coarse w/1-2% phos; some is v pale orange, some wh and generally f to med grained; all are calcareous and phos; phos 2-3% overall; tr dusky yellowish brn, f g xalline dolomite
380-400	Largely Qz sand, f to coarse; phos 1-3% as grains and a few granules; a little Ss as above
400-420	60% loose Qz sand, most is coarse to pebble size; phos grs/grns and some pebbles at 2-3%; 40% pale olive and wh, calc Ss and grayish olive, sandy Sltst
420-440	Missing

82 Humble 1-B, Lee Tidewater Cypress (con't)

460-480 Largely wh and v p o, chalky, sandy, fos Ls, phos 1-3%; about 25% yellowish gray, f g xalline dolomite

480-500 About equal mixture of wh, and v p o Ls as above and yellowish gray dolomite as above

500-520 Wh to v p o, sandy, phos, fos Ls; some is partially rexal; phos at 3-4%

520-540 Wh, v p o to yel gray, sandy, fos, phos Ls; phos 3-7%

540-560 Yellowish gray, chalky to sandy, fos, phos Ls; phos at 3-6%

560-580 Poor sample, some Ls as above, some greenish gray Sltst and dolosilt, a little loose Qz sand and phos grs/grns

580-620 Mixture of loose Qz sand, f-m grained; wh and v p o, chalky to sandy, phos Ls; ±1% clear gypsum

620-640 Largely v p o and grayish orange, f g, xalline, phos, dolomite and dolomitized Ls; phos 3-6%

640-660 Sample missing

660-680 Mixture of wh and v p o, chalky, sl sandy, phos, fos Ls; phos at 2-5%

680-700 Mixture of grayish orange, f g xalline dolomite and lt gray-v lt gray, chalky and partially rexal Ls; phos 1-3%

700-720 40% yellowish gray, f g xalline dolomite, phos ±1%; 60% v p o to yel gray, chalky, partially rexal Ls; phos; ∠1%

720-740 25% dolomite as above; 75% Ls as above, but more loose Qz sand and phos grs/grns (up to 3%)

740-760 70% v p o, chalky, part rexal, fos Ls w/∠1% phos; 30% lt gray to med lt gray, v calc, v phos Ss, phos 10-25%; minor yel gray dol as above

760-780 Largely wh to v lt gray, sandy, v phos, part rexal Ls; phos at 3-7%, most as orange grains, some black; some wh, chalky Ls as above

780-820 Wh and v p o, chalky, sandy, partially rexal, fos Ls, phos 1-2%; less phos between 800-820 and more chalky

820-840 V pale orange, chalky, sandy to v sandy, fos Ls, phos is trace

840-860 Wh and v p o, chalky, v sandy fos Ls and v calc Ss; trace phos

860-880 V p o, chalky, sandy, partially rexal, fos Ls; trace phos

880-900 Ls as above but more rexal and less sandy, trace phos

900-920 Ls as above, but v sandy, minor phos

920-940 Ls as above, v sandy and v p o, calc Ss; phos ±1%

82 Humble 1-B, Lee Tidewater Cypress (con't)

940- 960 Mixture of v p o, rexal, v sandy Ls; phos ±1% and v lt gray, v-calc, phos Ss; phos 1-3%

960- 980 Largely v lt gray, calc, phos, fos Ss, phos at 2-4%; crab claws and parts very common; some v p o, sandy rexal, fos Ls; phos ±1%

980-1000 Largely mixture of lt gray, v lt gray and wh, sandy, phos, fos Ls, some is micritic and calc, phos Ss; tr of lt brn, micritic sl phos dolomite; overall phos 2-4%

1000-1020 Wh and v lt gray, chalky, some partially rexal, fos Ls; common to numerous Lepidocyclina and echinoid spines

1020-1040 Ls as above; some is micritic

1040-1060 Ls as above, most is wh, f g, chalky; some is lt gray, micritic; common Leps and echinoid frags

1060-1080 Entirely v pale orange, silty, chalky, fos Ls; common-numerous Lepidocyclina, some Camerina

1080-1100 V p o, chalky, silty, fos Ls, common Leps and Camerina; a few pieces of similar appearing Ls w/abundant grains, granules and pebbles of subang to subrounded qtz, some Qz is orange, pinkish and reddish orange; most are clear to milky; v few phos grains (this does not appear to be Ha/Su contamination)

1100-1180 V p o, chalky, silty, fos Ls; some to common Leps, abundant Camerina

1180-1200 Ls as above, numerous large Leps; numerous Camerina

1200-1220 Ls as above, numerous Camerina; some fos part rexal

1220-1240 Ls as above, abundant Camerina; common Leps

1240-1260 95% Ls and fos, as above; 5% grayish orange, fos, f g rexal dol Ls w/minor carbonaceous matter

1260-1280 V p o, chalky, silty, fos Ls; some Leps, numerous Camerina; rare carbonaceous matter

1280-1300 Ls as above; some fos are rexal

1300-1340 70% v p o and grayish orange, f to m xalline dolomite; 30% Ls as above, common Camerina

1340-1360 95% pale yellowish brn, v f g, xalline dolomite; 5% Ls as above, common Camerina

1360-1380 About equal mixture of yellowish gray and grayish orange f and med, xalline dolomite; v p o, chalky, fos Ls as above, common Camerina

1380-1400 60% v p o and grayish orange, f, m and coarsely xalline Dolomite; 40% v p o, chalky, granular, fos Ls; a few Dictyoconus

82 Humble 1-B, Lee Tidewater Cypress (con't)

1400-1420 Largely v p o, chalky, v fos, granular Ls, numerous Dictyoconus; some Ls is partially dolomitized

1420-1440 Ls as above, most Ls is partially dolomitized; few to common cones

1440-1500 Ls and fos as above, some Ls w/carbonaceous laminations, some Ls partially rexal, some dolomitized, some is micritic

1500-1540 Ls, chalky, granular, fos and v fos; numerous Dictyoconus; some Ls is partially rexal

1540-1560 Ls as above, common cones; most Ls is partially rexal; minor pale yellowish brn micritic Ls

1560-1600 Ls as above w/5% pale yel brn micritic Ls

1600-1620 Ls as above, but all is rexal, tr f g dolomite

1620-1640 Ls as above w/minor m lt gray, micritic dol Ls

1640-1680 V p o and grayish orange, granular, rexal, fos Ls, common but minor carbonaceous specks and blebs; rare larger flattened cones; minor micritic Ls; cones few-common

1680-1700 Sample missing

1700-1720 Wh and v p o, chalky, fos Ls, partially rexal, but not as much as above; few to common larger flattened cones

1720-1740 Mixture of v p o Ls as above and pale yel brn, rexal, micritic Ls; some larger flattened cones

1740-1780 V p o Ls as above, minor but more common than above carbonaceous matter

1780-1800 Mixture of pale yellowish brn, micritic to f g, sl carbonaceous, totally rexal Ls and v p o, chalky, silty, fos Ls as above; a few larger flattened cones

1800-1820 V p o, silty, chalky, fos Ls, some is partially rexal; rare to few larger flattened cones

1820-1840 V p o Ls as above, minor but more common than above; carbonaceous matter and laminations; common larger flattened cones

1840-1880 V p o Ls as above, common-numerous larger flattened cones; Ls is partially rexal

1880-1900 60% v p o Ls as above, some w/v p o dol rhombs in matrix; 40% pale yellowish brn, f g xalline dolomite

1900-1920 80% v p o and pale yel brn, f g xalline dolomite; 20% v p o Ls as above, most w/dol rhombs in matrix

1920-1940 50% lt brn, m brn and grayish brn, f-m xalline dolomite; 50% v p o, chalky fos Ls, some larger flattened cones

82 Humble 1-B, Lee Tidewater Cypress (con't)

1940-1960 80% selenite, most is clear, some orange to yellow; 20% v p o Ls as above, but some is heavily gypsiferous

1960-2000 50/50 mixture of selenite as above and wh, "chalky" gypsum

2000-2020 Largely yellow and orange selenite; some clear selenite, some white "chalky" gypsum

2020-2040 80% selenite and gypsum as above; 20% v p o, chalky, silty Ls w/ common, but minor, carbonaceous matter and laminations

2040-2060 20% selenite and gypsum as above; 80% v p o, Ls as above; some Ls is dolomitized w/rhombs in matrix

2060-2080 70% v p o, grayish orange and mod brn, coarsely xalline dolomite; 30% v p o Ls as above, most has dolomite rhombs in matrix; a little selenite and gypsum

2080-2100 Largely v p o, grayish orange, lt brn and mod brn, coarsely xalline dolomite; some dol is dusky brn caused by much carbonaceous matter (?); some v p o Ls as above which is loaded w/dolomite rhombs in matrix

2100-2140 Dol w/colors as above, plus some grays, but now is fine to med xalline, rarely coarse xalline

2140-2160 60% v p o, fos Ls, most is partially dolomitized, common Camerina, some cones; 40% Dol as above, tr selenite

2160-2180 60% Dol as above, but some is coarsely xalline; 30% v p o Ls as above, common but minor, carbonaceous matter and laminations; 20% selenite and wh, "chalky" gypsum

2180-2200 80% v p o Ls as above, still carbonaceous and much is m-s dolomitized w/rhombs in matrix; 10% Dol as above; 10% selenite and gypsum as above

2200-2220 About equal mixture of selenite/gypsum, dolomite and v p o Ls as above

2220-2240 45% v p o Ls as above; 45% Dol, f to coarsely xalline lt brn thru mod brn, some dusky brn; 10% selenite and gypsum

2240-2300 70% v p o, chalky, silty, fos Ls, common, but minor carbonaceous matter and laminations, common Camerina, some cones: 15% Dol as above; 15% selenite and gypsum

2300-2320 Largely lt brn and v p o, coarsely xalline dolomite, some v p o, chalky Ls as above and most is mod to almost completely replaced by dolomite rhombs and aggregates of rhombs

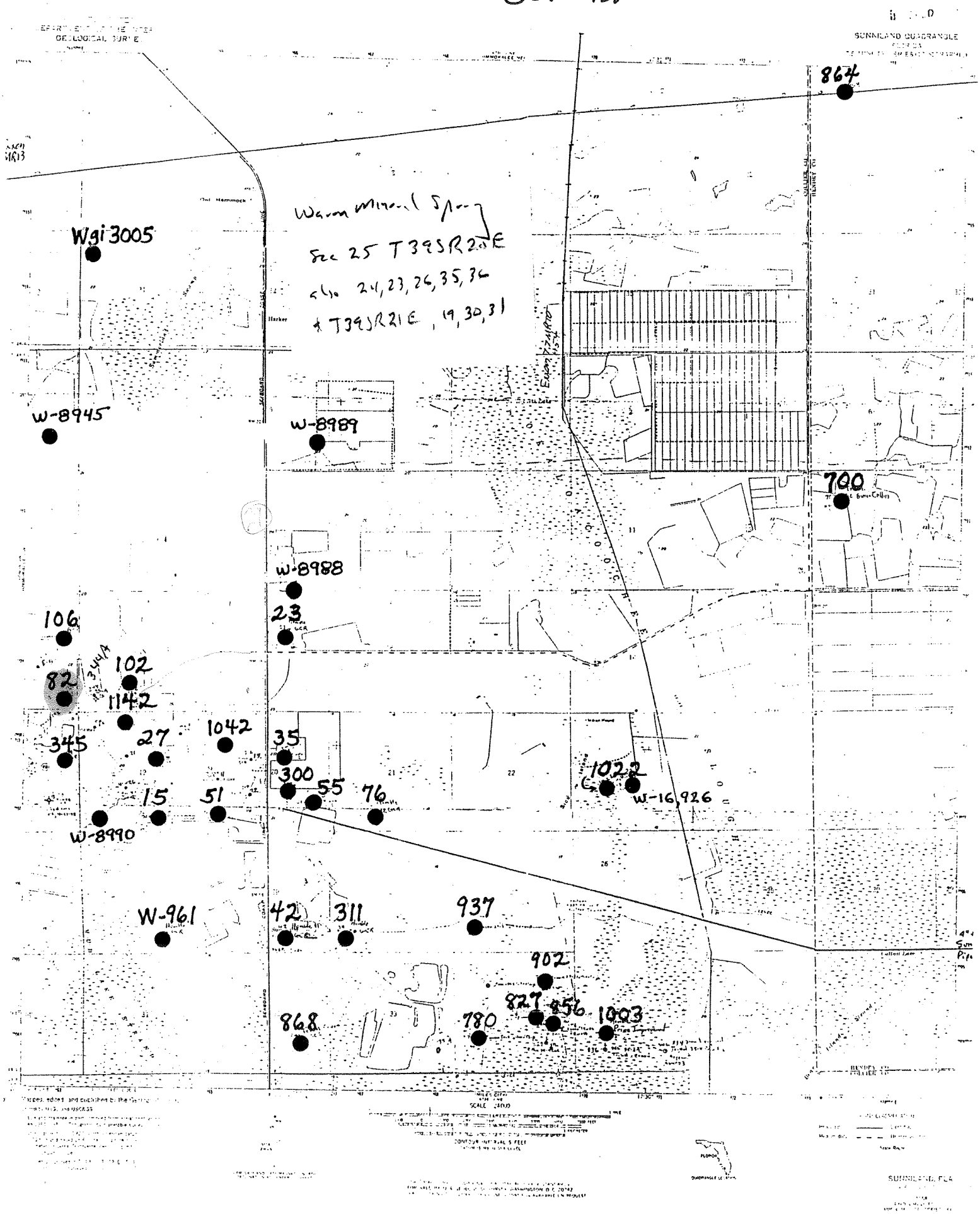
2320-40 85% dolomite, mod brn and lt brn, most is med xalline, some is fine and some is coarsely xalline; a little dol is heavily gypsiferous; 15% v p o, chalky Ls as above, still carbonaceous and much is m-s dolomitized

2340-2360 Largely v p o and lt brn, micritic to finely xalline dol; some is med and coarsely xalline; a little selenite and a little v p o Ls as above

82 Humble 1-B, Lee Tidewater Cupress (cont)

2360-2400 80% Dol as above, plus significant amount of lt and med lt gray, f, v f, and some micritic dolomite; 20% v p o Ls as above; carbonaceous still common, but minor; a little selenite

021-138



Well Location Map - Sunniland Quad

021-138

W-1787, Sunniland Quad
82 Humble B-1 Lee Tidewater Cypress
660' FEL, 660' FSL, Sec. 13, T48S R29E
Collier County - GL ±19' - DF 39'
Spud 5/13/48 - P & A 1/20/90

SCHLUMBERGER
WELL SURVEYING CORPORATION

COMPOSITE LOG

Location of Well: Permit # 82, Sec 13, 48S 29E

COMPANY: HUMBLE OIL & REFINING CO.
WELL: LEE TIDEWATER CYPRESS LUMNER CO. #B-1
RUN NO.: 1 - A
FIELD: SUNNILAND
SURVEY:
COUNTY: COLLIER
STATE: FLORIDA
FILING No. W-1787

COMPANY: HUMBLE O & R CO.
WELL: LEE TIDEWATER CYPRESS LUMNER CO. #B-1
FIELD OR SURVEY: SUNNILAND
COUNTY: COLLIER
STATE: FLORIDA

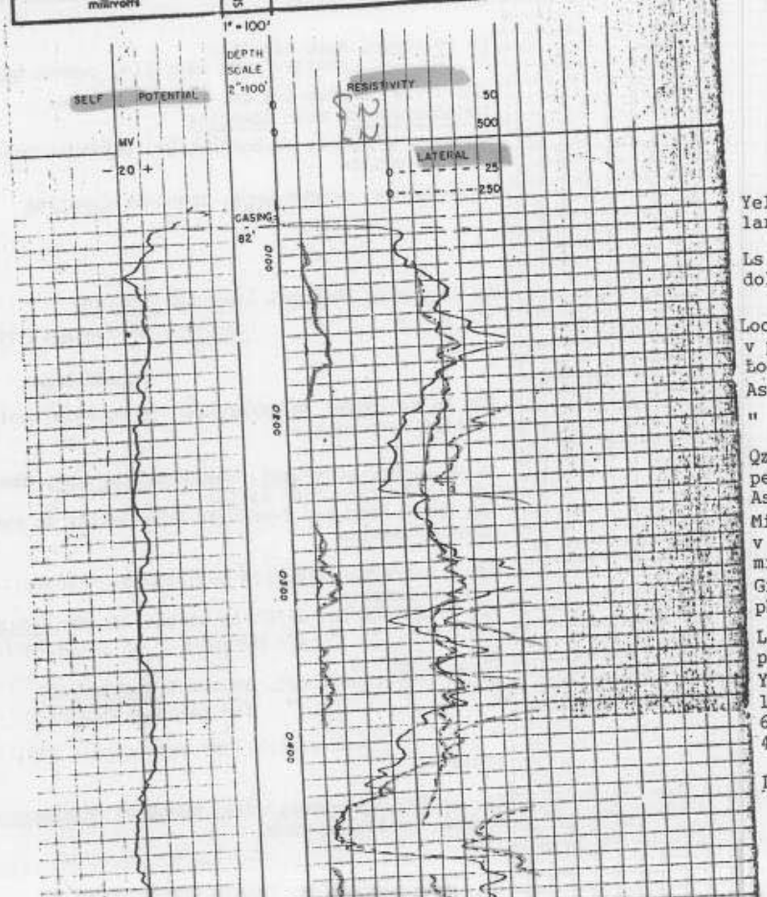
Elevation: D.F. 38.7 or G.L.:

RUN	1	2	3	4	5
Date	5-21-48	6-14-48	6-25-48	7-17-48	8-1-48
First Reading	1003	5066	6502	10023	11526
Last Reading	82	1003	5066	6502	10023
Footage Measured	921	4063	5037	2331	503
Csg Shoe Schlum.	82	1010	5040		
Csg Shoe Driller	82	1011	5040		
Max. Depth Reached	1003	5100	6505	10023	11526
Bottom Driller	1008	5100	6505	10023	11525
Depth Datum	DEPTHS TAKEN FROM TOP OF KELLY BUSHING				
Mud Nature	ADJUSTED CHEMICAL	CHEMICAL WATER			CHEMICAL
Resistivity	4.2 @ 60°	2.1 @ 60°			0.7 @ 60°
Weight	10	9.2			9.1
Viscosity	38	46			43
Hole Size	17½"-1010'	12¼"-5037'	8 5/8" 121	8 5/8" 204	8 5/8" 100
Bottom Temp.					
Spacings AM	16"	16"	16"	16"	16"
AM'	53"	53"	53"	53"	53"
OA	24'	24'	24"	24'	24'
Observers	HUSTON	HUSTON	HUSTON	HUSTON	HUSTON

RUN	6
Date	8-9-48
First Reading	11565
Last Reading	11526
Footage Measured	39
Csg Shoe Schlum.	
Csg Shoe Driller	
Max. Depth Reached	11565
Bottom Driller	11564
Depth Datum	DEPTHS TAKEN FROM TOP OF KELLY BUSHING
Mud Nature	CHEMICAL
Resistivity	0.7 @ 90°
Weight	9.2
Viscosity	42
Hole Size	8 5/8" 162
Bottom Temp.	
Spacings AM	16"
AM'	53"
OA	24'
Observers	HUSTON

REMARKS

A RILEY REPRODUCTION
U.S. PATENT PENDING



Brief Lith Log by R. S. Caughey 9/94

Yel/gray, v sandy, phos, fos Ls; phos 3-4%, large pelecypod frags

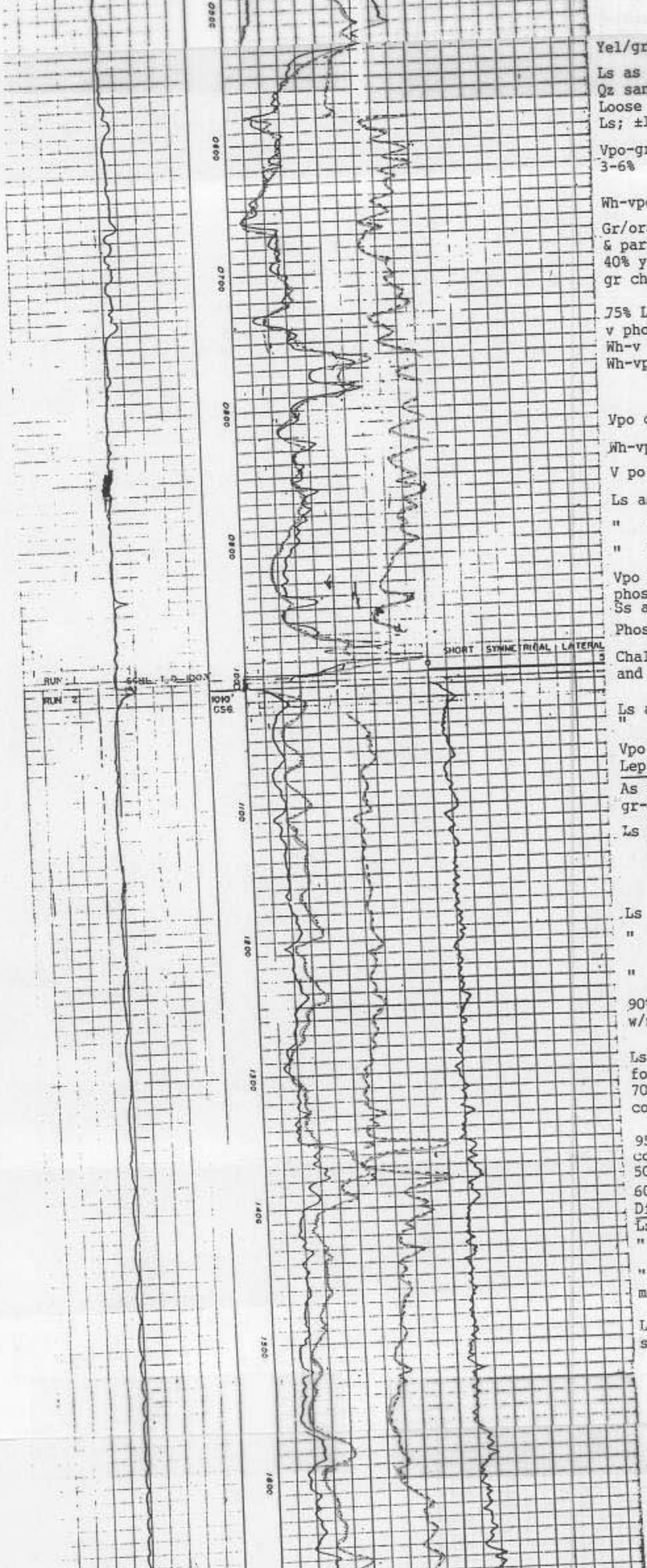
Ls as above; 30% v p o sandy fos part rexal and dol Ls w/o phos; large pelecypod frags

Loose f-crse Qz sand, tr phos grs/grns; 10-20% v p o Ls as above
Loose Qz sand, f-med-crse; a few phos grs/grns
As above, Qz sand med-crse; tr v p o Ls
" " " " f-crse; 1-2% phos grs/grns

Qz sand, f-pebble size, phos 3-5% as grs/grns/pebbles, minor p gn/yel v calc Ss
As above, Qz sand f-med; phos 1-3% grs/grns
Mixture of Qz sand, f-med w/1-2% phos grs/grns, v p o sandy, fos Ls & lt gray-lt olive gray, micritic sl sandy & phos Dol
Gray/orange-dk yel/orange micritic Dol; minor phos; some loose m-crse Qz sand

Loose Qz sand, f-med -crse, some Dol as above; phos ±1%
Yel/gray-v p o- wh, f-crse calc Ss w/1-3% phos
loose Qz sand, f-crse, phos 1-3%, some Ss as above
60% Qz sand, crse-pebble size; phos 2-3%;
40% p olive and wh calc Ss

Loose Qz sand, vf-f, pale olive Sltst; phos 2-3%



Yel/gray, chalky-sandy, fos, phos Ls, phos 3-6%

Ls as above; some gn/gr Sltst & dolosilt; some Qz sand & phos grs/grns

Loose Qz sand, f-med; wh-vpo, chalky-sandy phos Ls; ±1% clear gypsum

Vpo-gr/orange, fg, xln, phos Dol & dol Ls; phos 3-6%

Wh-vpo, chalky, sl sandy, phos fos Ls, phos 2-5%

Gr/orange, fg xln Dol & lt gray-v lt gray, chalky & part rexal Ls; phos 1-3%

40% yel/gray, fg xln Dol, phos ±1%; 60% vpo-yel/gr chalky, part rexal Ls; phos <1%

75% Ls as above, 30% lt gray-med lt gray, v calc, v phos Ss; phos 10-25%; minor yel/gr Dol as above

Wh-v lt gr, sandy, v phos, part rexal Ls; phos 3-7%

Wh-vpo chalky, sandy, part rexal fos Ls, phos 1-2%

Vpo chalky, sandy-v sandy, fos Ls; tr of phos

Wh-vpo, chalky, v sandy fos Ls & v calc Ss; tr phos

V po chalky, sandy, part rexal fos Ls, tr phos

Ls as above; more rexal & less sandy, tr phos

" " " v sandy, minor phos

" " " " " & vpo calc Ss; phos ±1%

Vpo rexal, v sandy Ls, phos ±1%; v lt gr, calc phos Ss

Ss as above; 2-4% phos; rexal Ls w/±1% phos

Phos Ls, calc phos Ss; phos 2-4% overall

Chalky, part rexal fos Ls, common Lepidocyclina and echinoid spines

Ls as above, some micritic

" " " chalky, some micritic, common Leps

Vpo silty, chalky fos Ls; common-numerous Lepidocyclina, some Camerina

As above w/some Ls w/abundant Qz, subang-subrnd, gr-pebble size

Ls as above; common Leps, abundant Camerina

Ls as above; abundant Leps and Camerina

" " " " Camerina, sm fos part rexal

" " " " " Common Leps

90% Ls as above; 5% gr/orange fos fg rexal dol Ls w/minor carb matter

Ls as above, some Leps, abundant Camerina; some fos rexal; rare carb matter

70% vpo-gr/orange, f-med xln Dol; 30% Ls as above, common Camerina

95% p yel/brn, v fg, xln Dol, 5% Ls as above, common Camerina

50% f-med xln Dol & 50% Ls as above; cmmn Camerina

60% f-crse " " 40% granular Ls as above, a few Dictyoconus

Ls as above, part dol, abundant Dictyoconus

" " " " " few to common cones

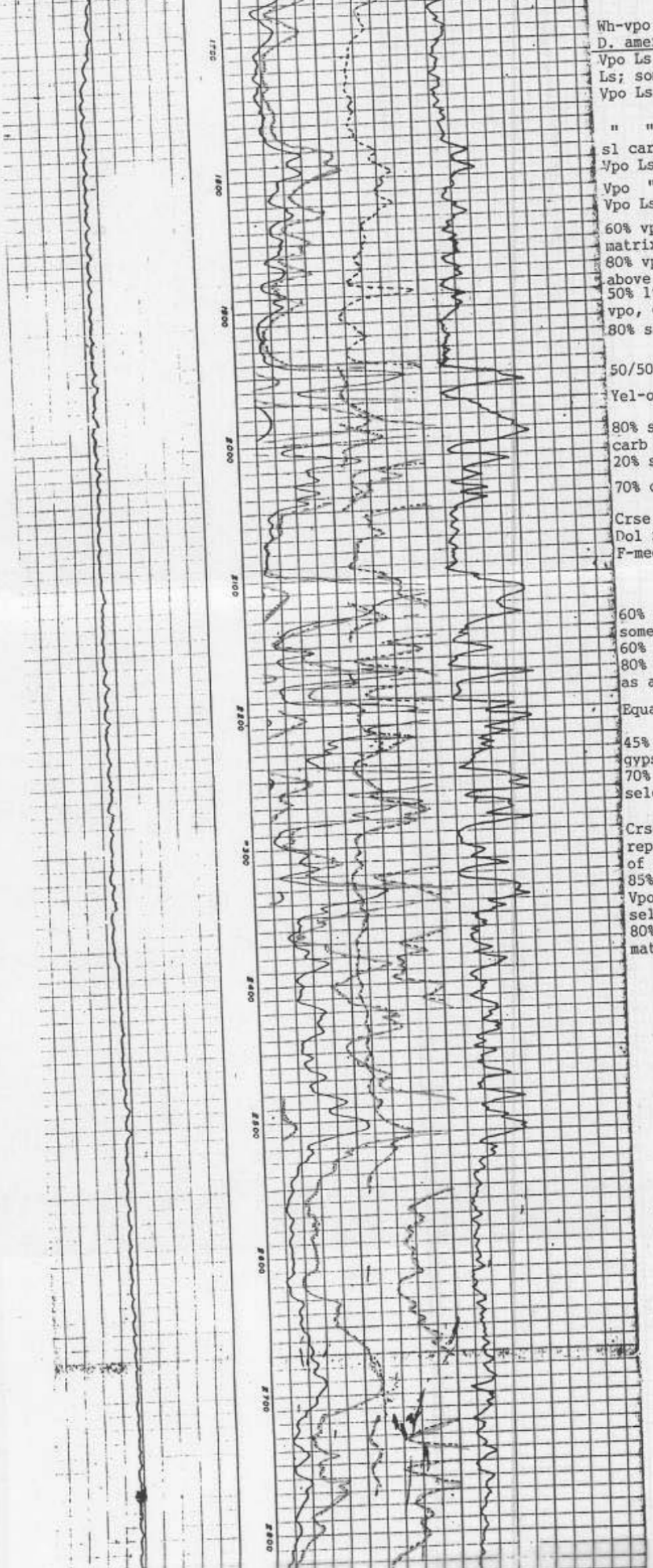
" " " some w/carb lam, part rexal, dol, micritic

Ls, chalky, granular. fos; abundant Dictyoconus; some Ls partially rexal

" " " all rexal, tr fg Dol

" " " w/minor med lt gr micritic dol Ls

Vpo-gr/orange, granular rexal, fos Ls, minor carb specks+blebs; rare Dictyoconus americanus, cones few-common



Wh-vpo chalky, fos Ls,part rexal; few-common D. americanus
Vpo Ls as above & p yel/brn, rexal, micritic Ls; some D. americanus
Vpo Ls as above; minor carb matter

" " " " p yel/brn, micritic to fg, sl carb, rexal Ls; a few D. americanus
Vpo Ls as above; rare D. americanus
Vpo " " "carb matter; common D. americanus
Vpo Ls as above, common-abundant D. americanus

60% vpo Ls as above; some w/vpo dol rhombs in matrix; 40% p yel/brn-fg xln Dol
80% vpo-p yel/brn, fg xln Dol; 20% vpo Ls as above
50% lt brn-med brn-gr brn, f-med xln Dol & 50% vpo, chalky fos Ls
80% selenite; 20% vpo Ls as above

50/50 mixture of selenite and wh chalky gypsum

Yel-orange selenite; some wh chalky gypsum

80% selenite and gypsum; 20% vpo Ls w/common carb matter
20% selenite and gypsum; 80% vpo Ls as above

70% crse xln Dol; 30% vpo Ls as above

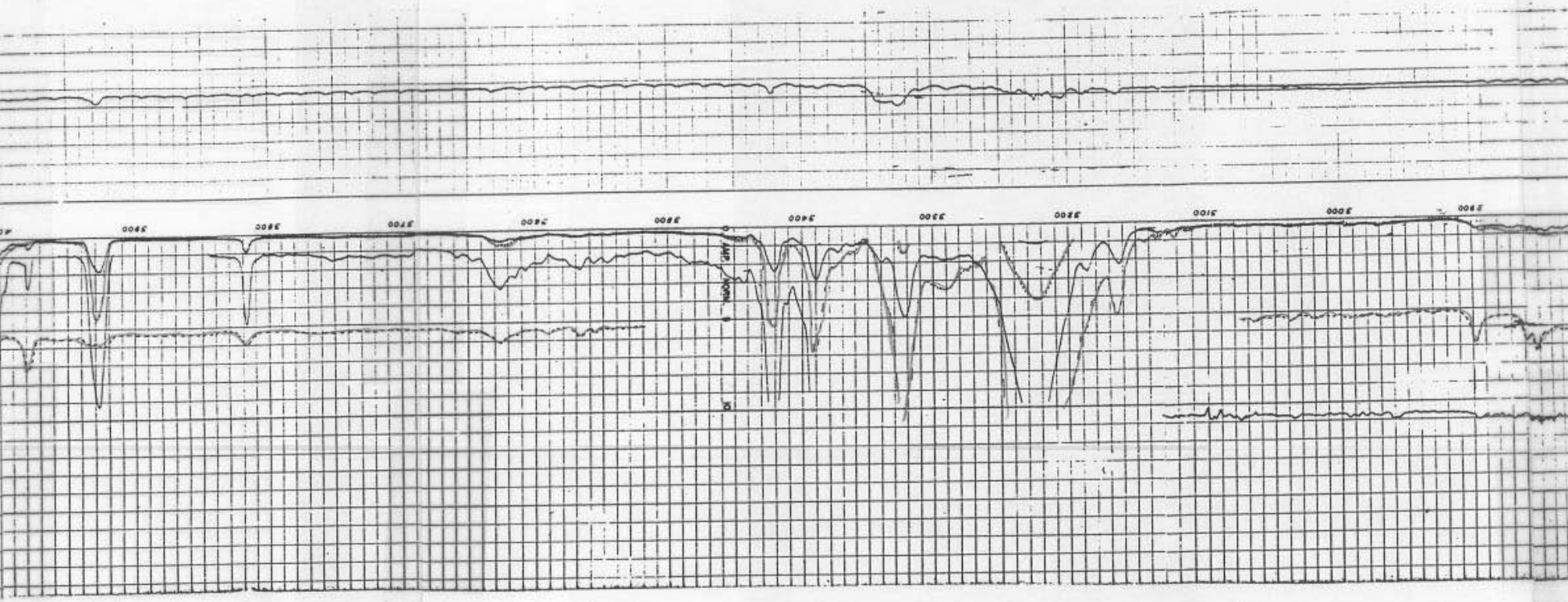
Crse xln Dol; some vpo Ls as above w/common Dol rhombs in matrix
F-med xln dol

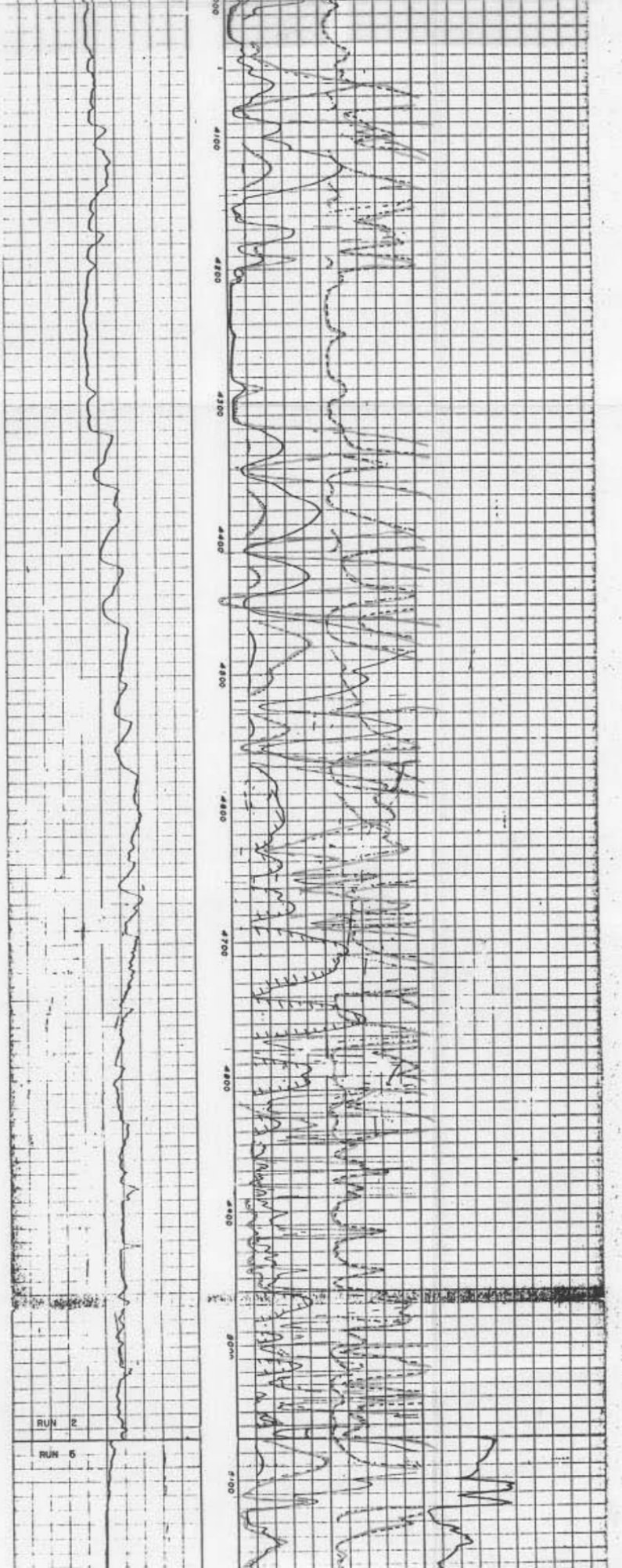
60% vpo fos Ls, part dol, common Camerina, some cones, 40% Dol as above, tr selenite
60% Dol; 30% vpo Ls & 20% selenite as above
80% vpo Ls, 10% Dol & 10% selenite & gypsum as above

Equal mixture of selenite/gypsum Dol & Ls

45% vpo Ls, 45% dol, f-crse & 10% selenite/gypsum
70% vpo Ls, common Camerina, 15% Dol & 15% selenite and gypsum

Crse xln Dol, vpo chalky Ls; mod to total replacement by Dol rhombs & aggregates of of rhombs
85% Dol, med xln; 15% vpo chalky dol Ls
Vpo and lt brn micritic to f xln Dol; tr selenite & vpo Ls as above
80% Dol as above; 20% vpo Ls as above; carb matter minor; tr of selenite

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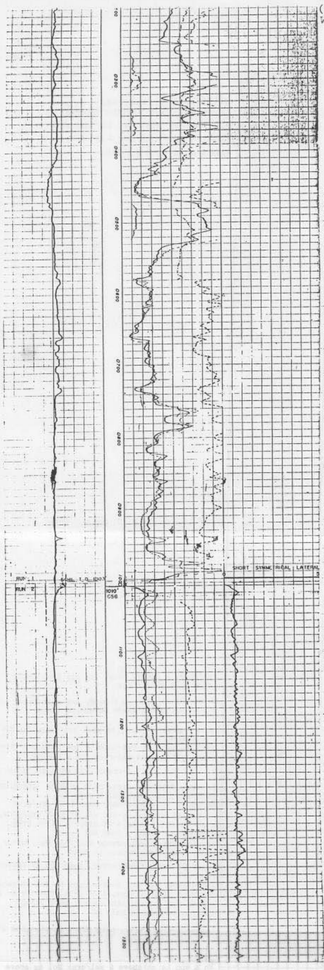
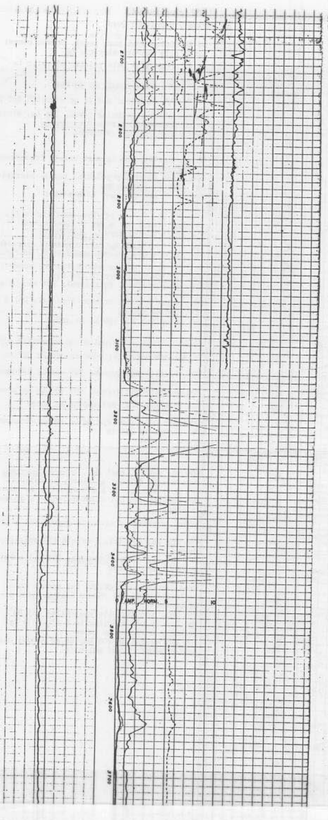


Wh-vpo chalky, sandy fos Ls, phos 1-3%; 25% yel/gray fg xln dol
Wh & vpo Ls as above & yel/gray Dol as above
As above; some Ls part rexal; phos 3-4%
Wh-vpo-yel/gray, sandy, fos, phos Ls; phos 3-7%
Yel/gray, chalky-sandy, fos, phos Ls, phos 3-6%
Ls as above; some gn/gr Sltst & dolosilt; some Qz sand & phos grs/grns
Loose Qz sand, f-med; wh-vpo, chalky-sandy phos Ls; ±1% clear gypsum
Vpo-gr/orange, fg, xln, phos Dol & dol Ls; phos 3-6%
Wh-vpo, chalky, sl sandy, phos fos Ls, phos 2-5%
Gr/orange, fg xln Dol & lt gray-v lt gray, chalky & part rexal Ls; phos 1-3%
40% yel/gray, fg xln Dol, phos ±1%; 60% vpo-yel/gr chalky, part rexal Ls; phos ≤1%
75% Ls as above, 30% lt gray-med lt gray, v calc, v phos Ss; phos 10-25%; minor yel/gr Dol as above
Wh-v lt gr, sandy, v phos, part rexal Ls; phos 3-7%
Wh-vpo chalky, sandy, part rexal fos Ls, phos 1-2%
Vpo chalky, sandy-v sandy, fos Ls; tr of phos
Wh-vpo, chalky, v sandy fos Ls & v calc Ss; tr phos
V po chalky, sandy, part rexal fos Ls, tr phos
Ls as above; more rexal & less sandy, tr phos
" " " v sandy, minor phos
" " " " " & vpo calc Ss; phos ±1%
Vpo rexal, v sandy Ls, phos ±1%; v lt gr, calc phos Ss
Ss as above; 2-4% phos; rexal Ls w/±1% phos
Phos Ls, calc phos Ss; phos 2-4% overall
Chalky, part rexal fos Ls, common Lepidocyclina and echinoid spines
Ls as above, some micritic " " " chalky, some micritic, common Leps
Vpo silty, chalky fos Ls; common-numerous Lepidocyclina, some Camerina
As above w/some Ls w/abundant Qz, subang-subrnd, gr-pebble size
Ls as above; common Leps, abundant Camerina
Ls as above; abundant Leps and Camerina
" " " " Camerina, sm fos part rexal
" " " " " Common Leps
90% Ls as above; 5% gr/orange fos fg rexal dol Ls w/minor carb matter
Ls as above, some Leps, abundant Camerina; some fos rexal; rare carb matter
70% vpo-gr/orange, f-med xln Dol; 30% Ls as above, common Camerina
95% p yel/brn, v fg, xln Dol, 5% Ls as above, common Camerina
50% f-med xln Dol & 50% Ls as above; cmmn Camerina
50% f-crse " " 40% granular Ls as above, a few Dictyoconus
Ls as above, part dol, abundant Dictyoconus
" " " " " few to common cones
" " " some w/carb lam, part rexal, dol, micritic
Ls, chalky, granular, fos; abundant Dictyoconus; some Ls partially rexal



DIGITAL FORMATION

1 FT - 1200 FT
MD in F
Null Data

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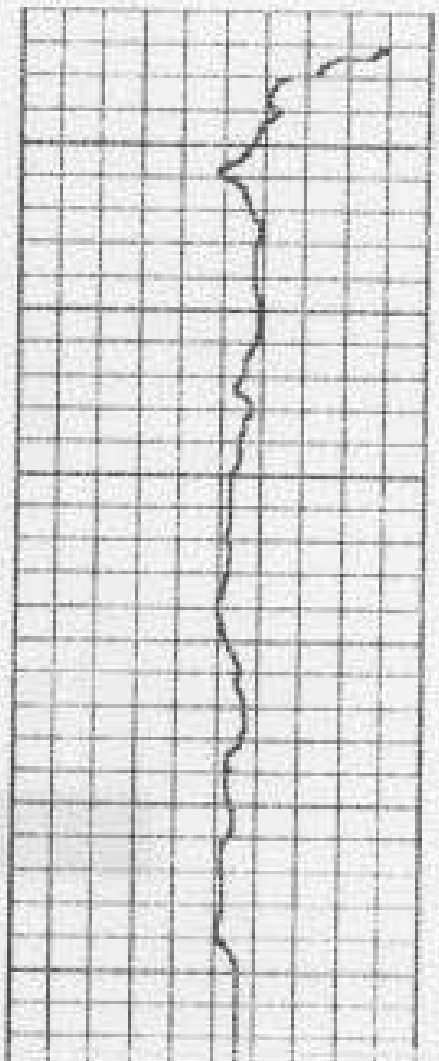
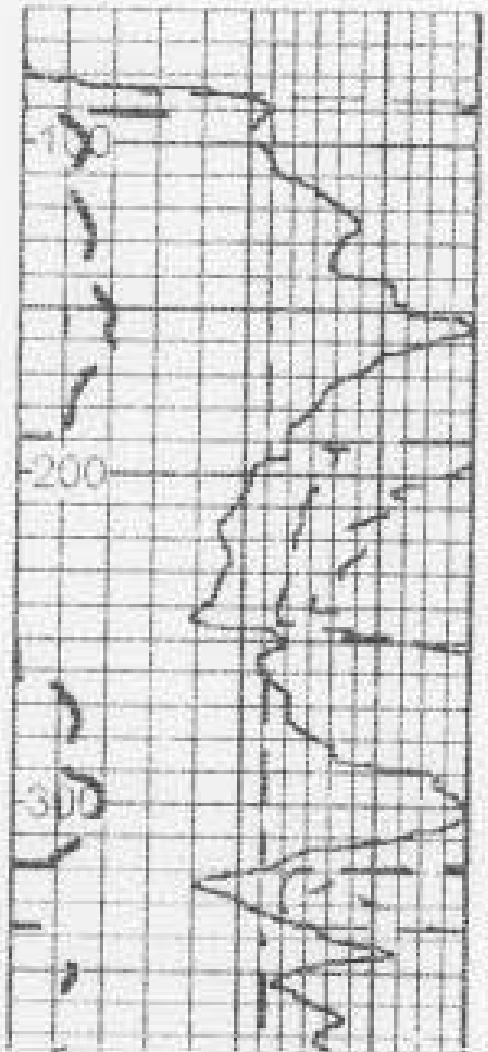
100 500

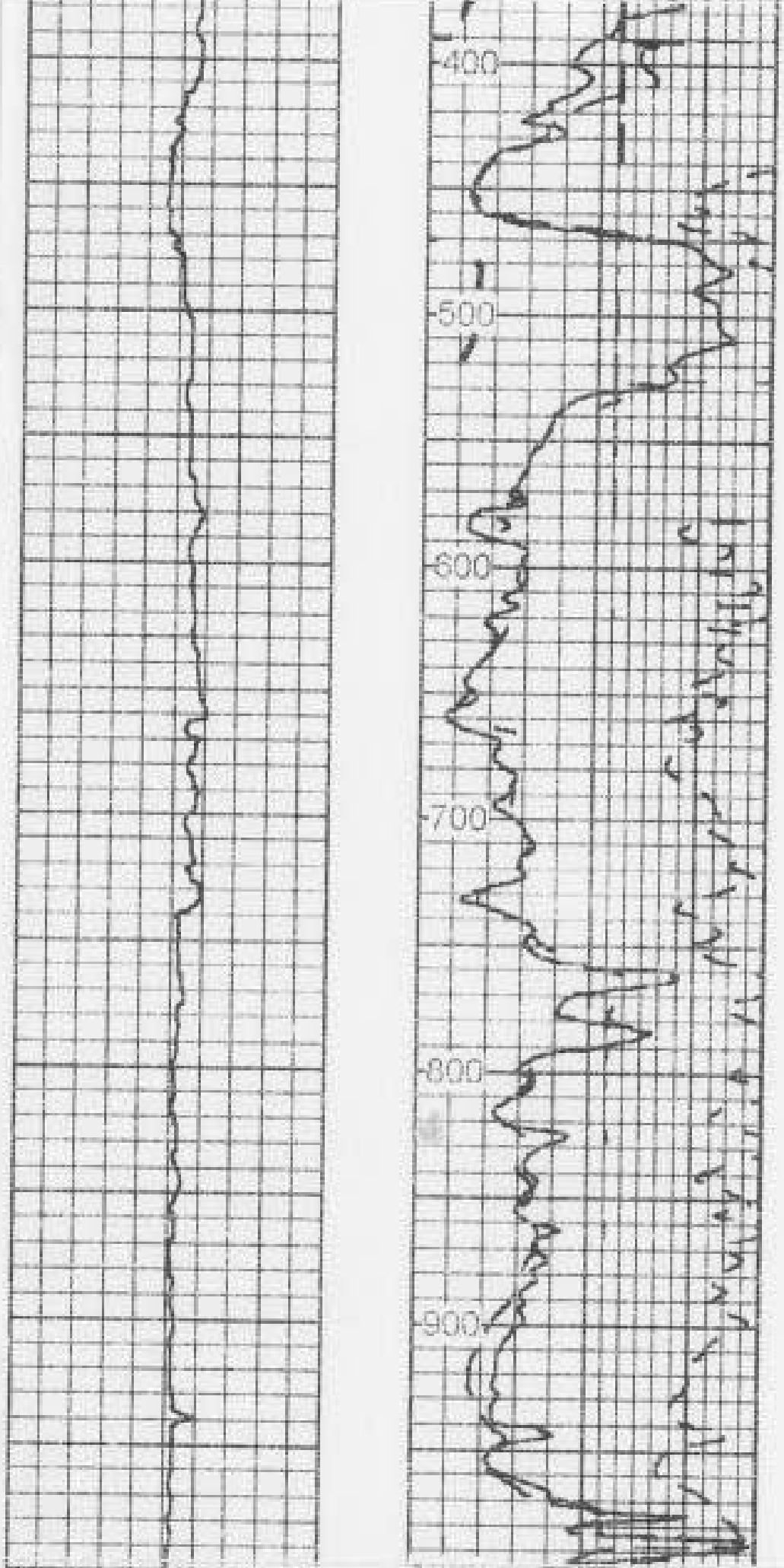
SN
0 OHMM 50
0 500

LAT
0 25
0 250

SP
-160 MV 40



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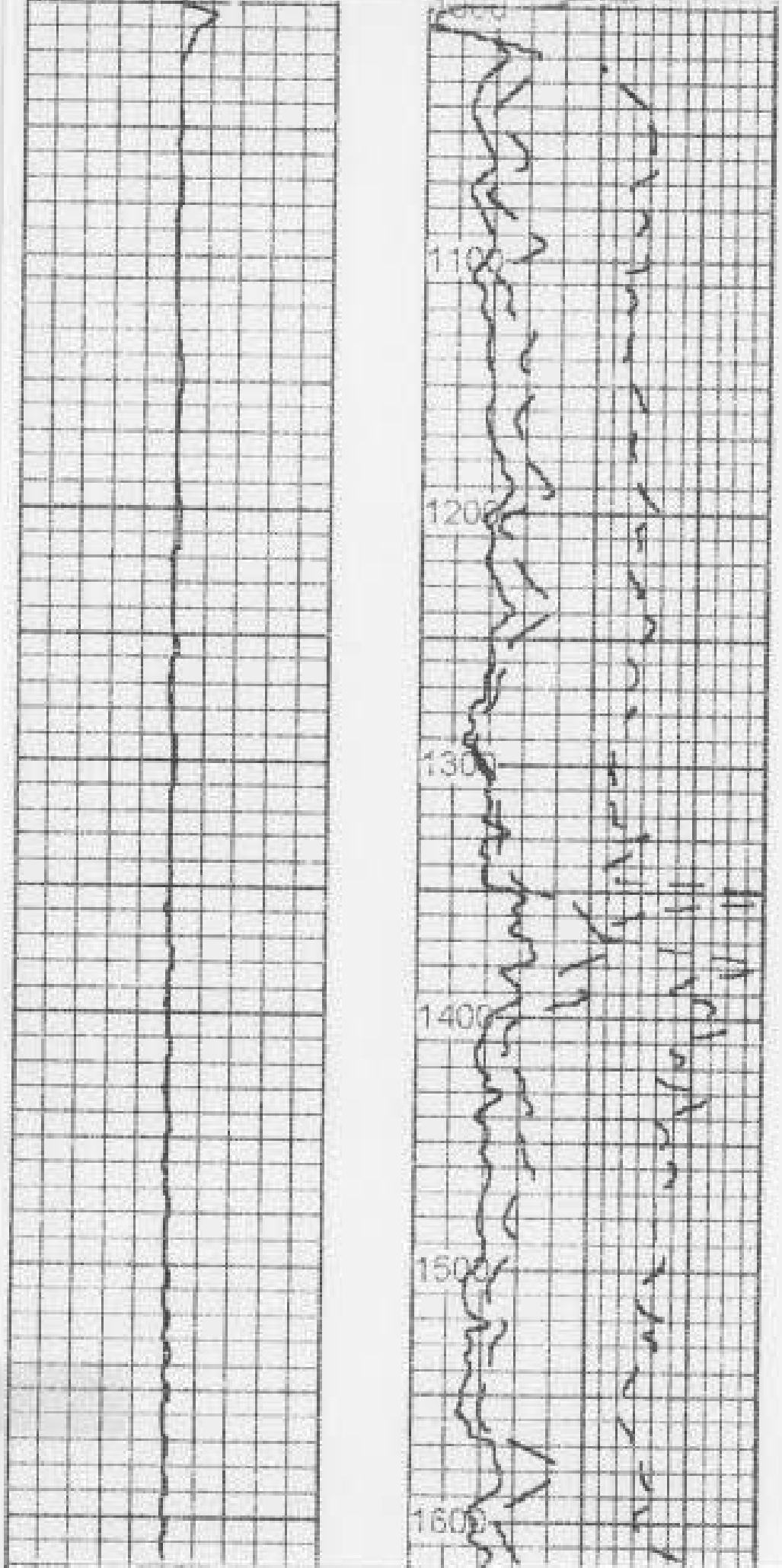
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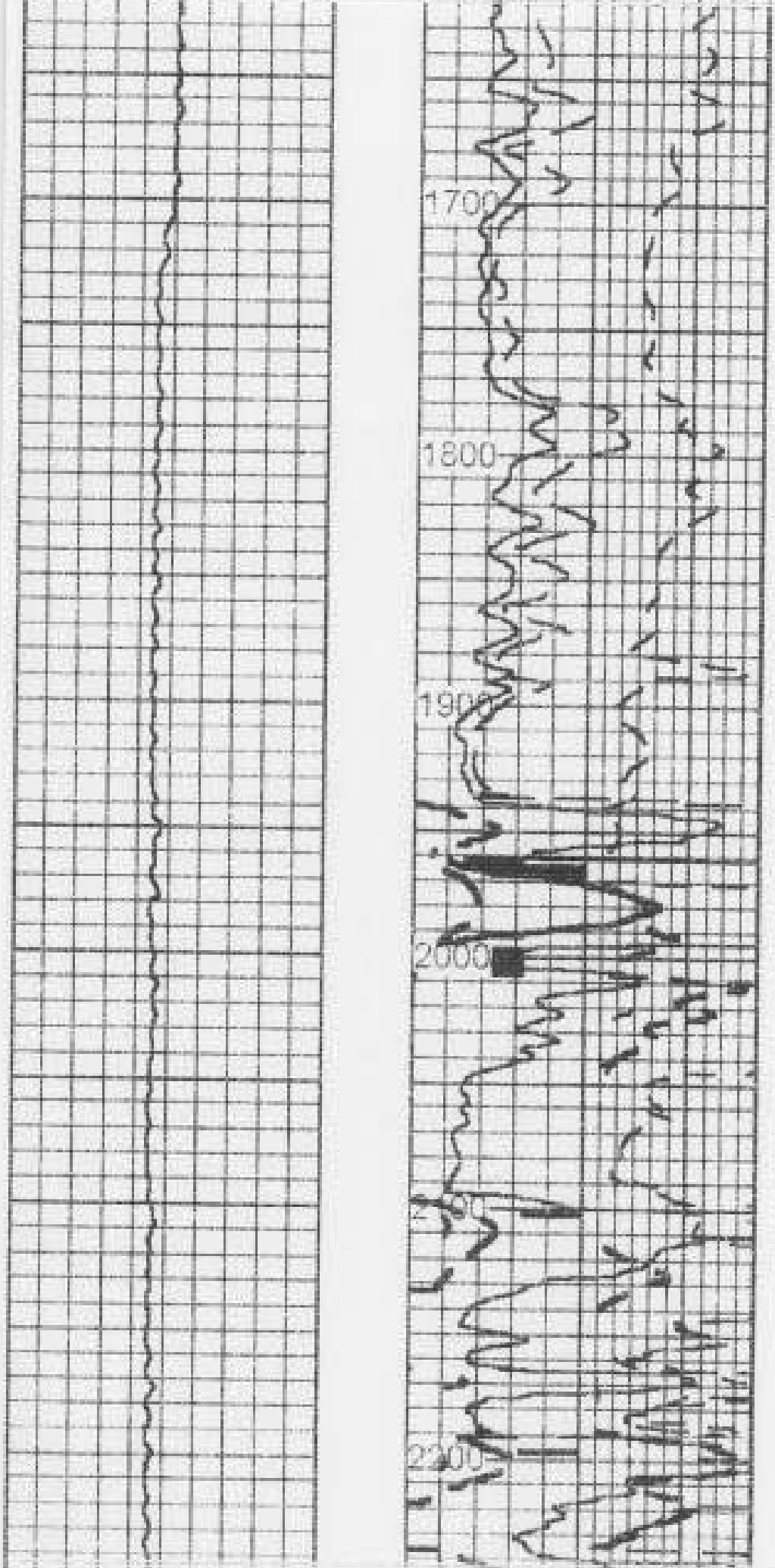
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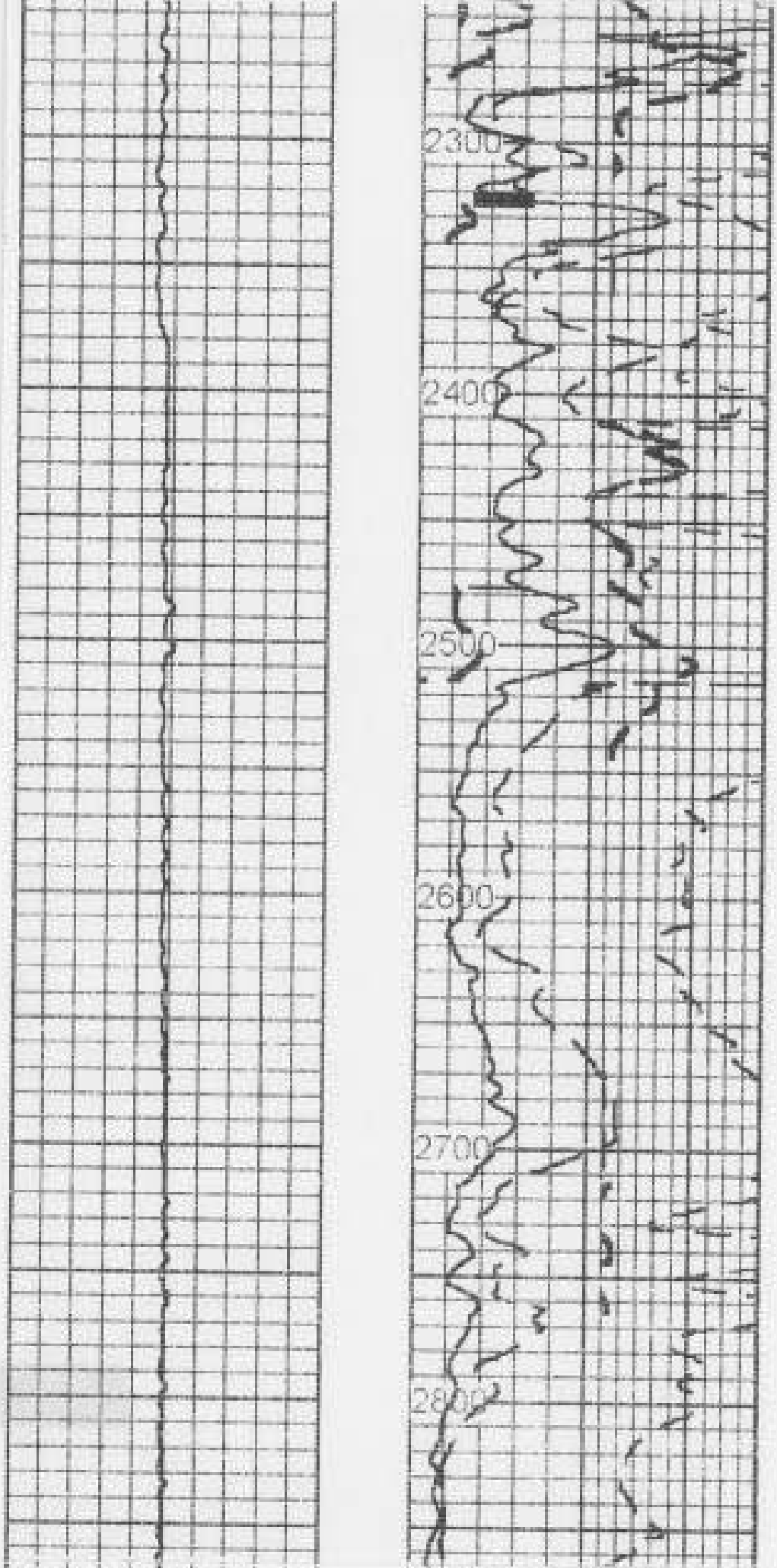
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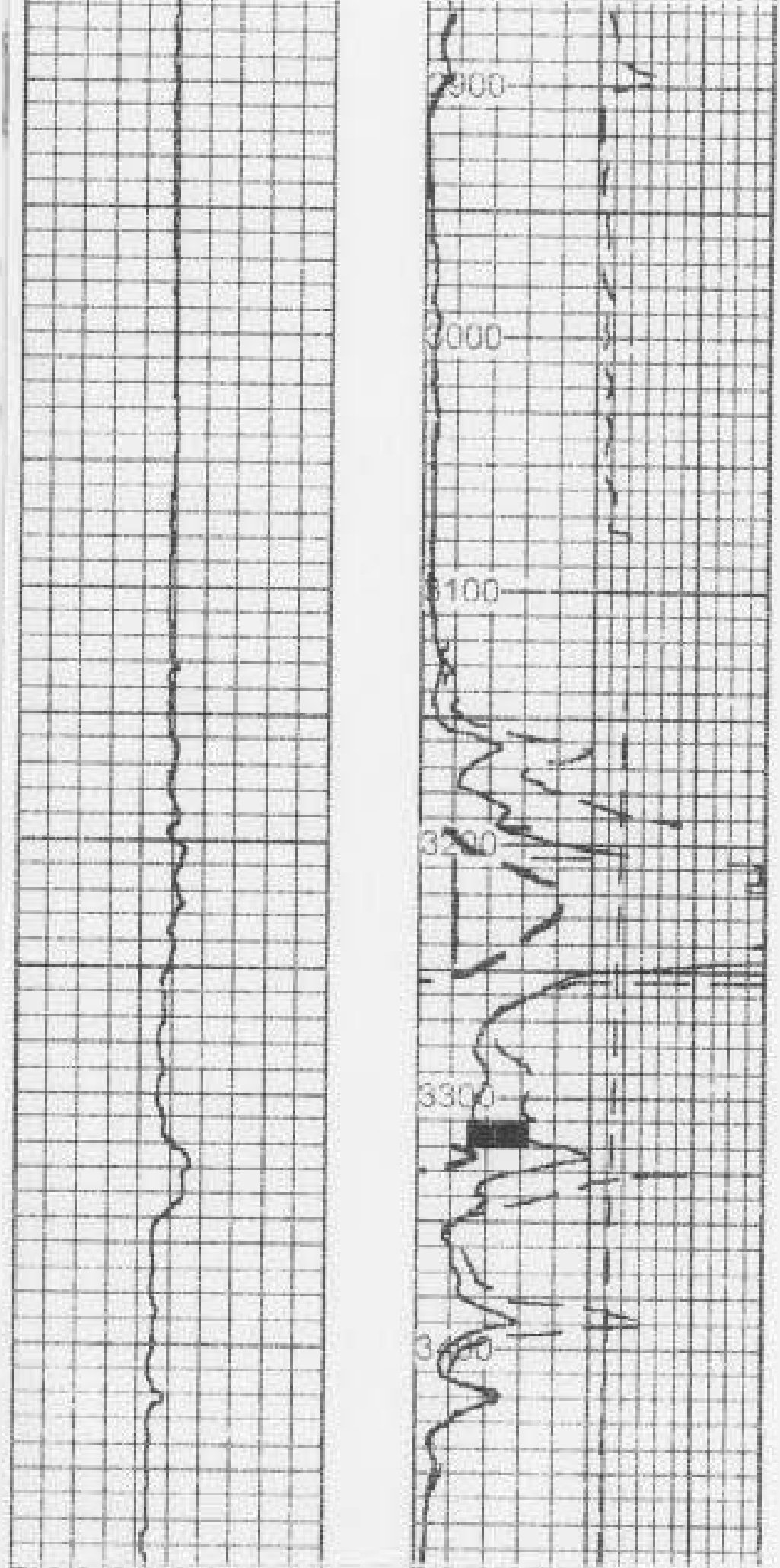
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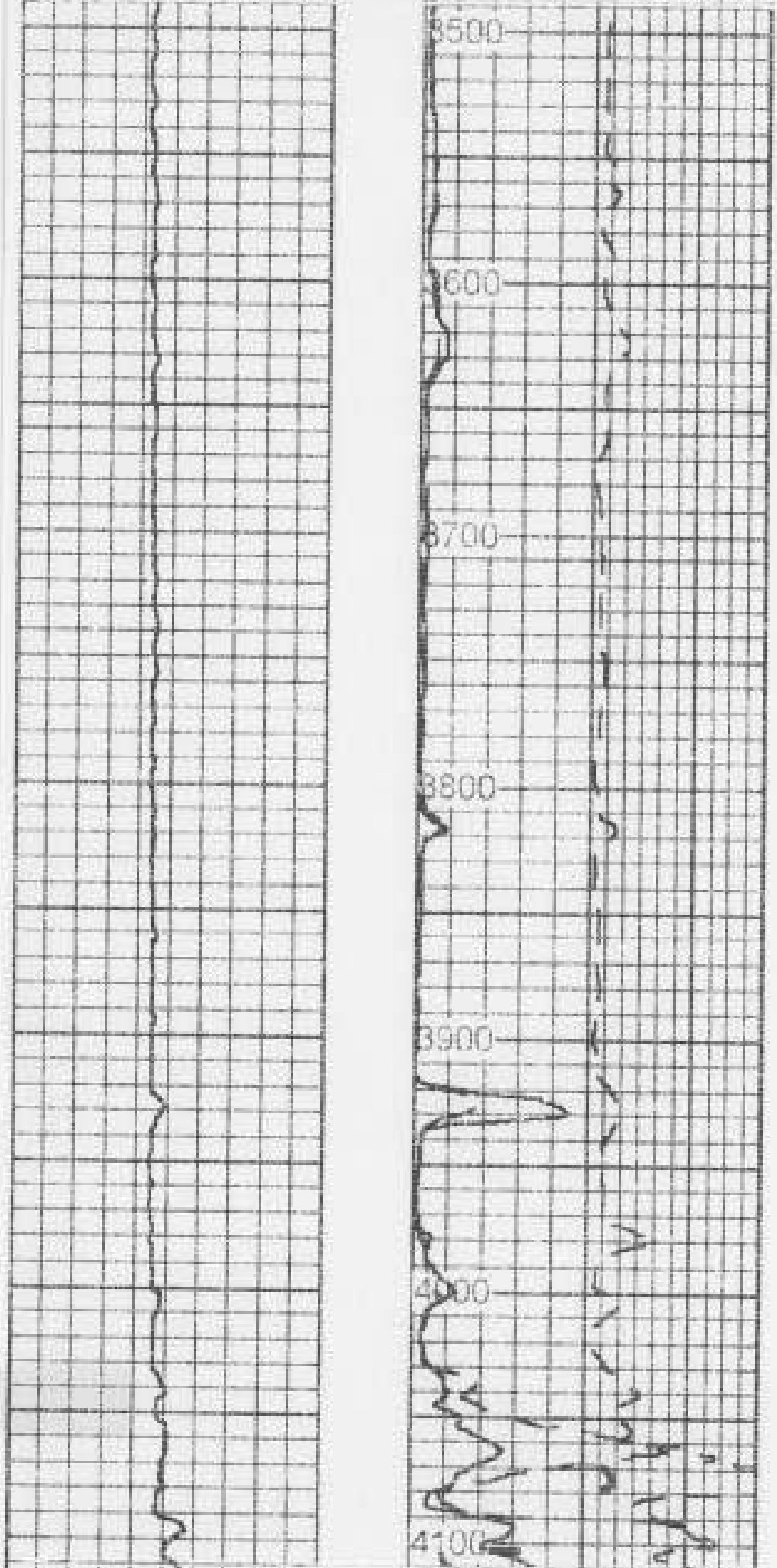
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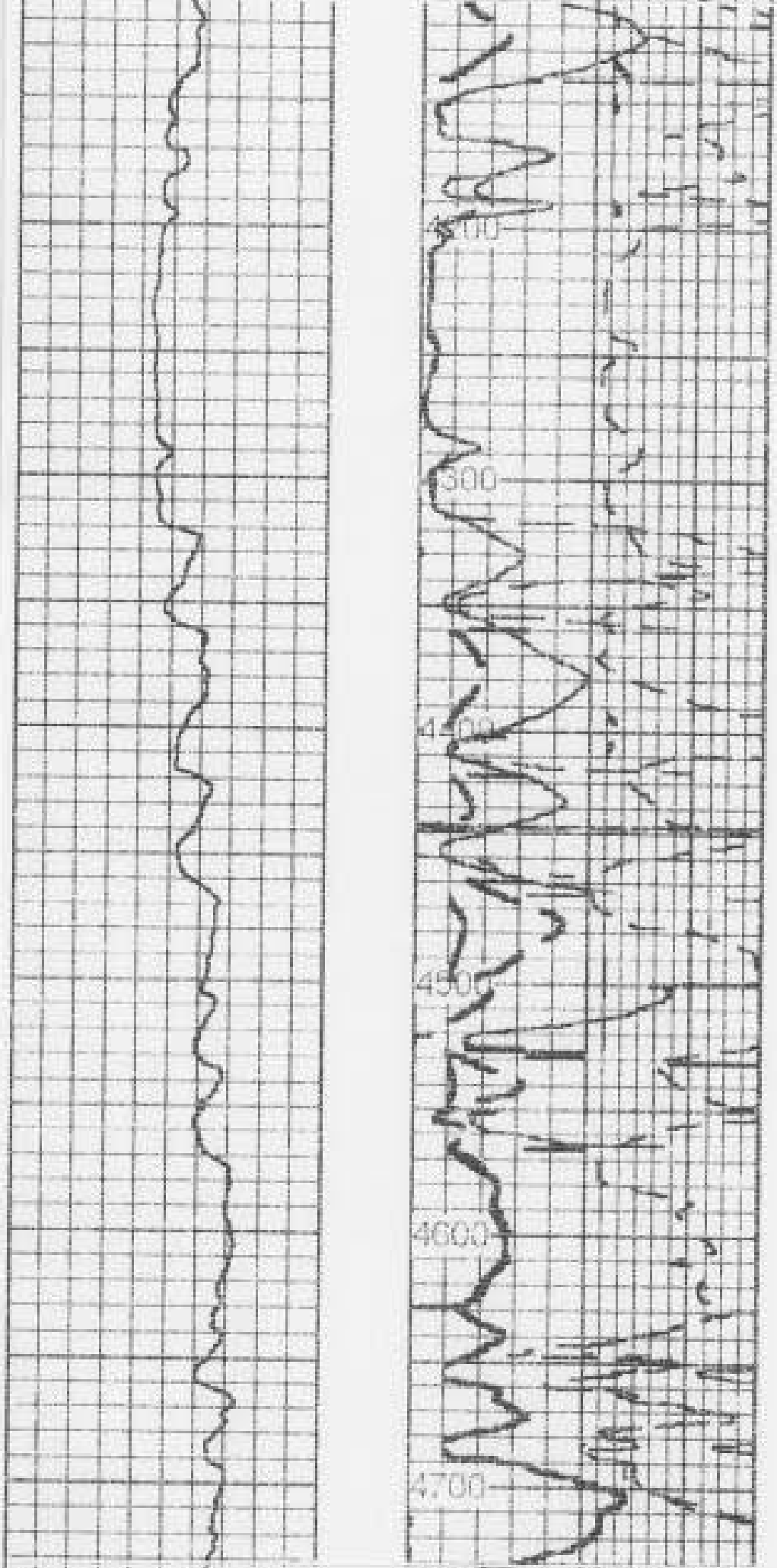
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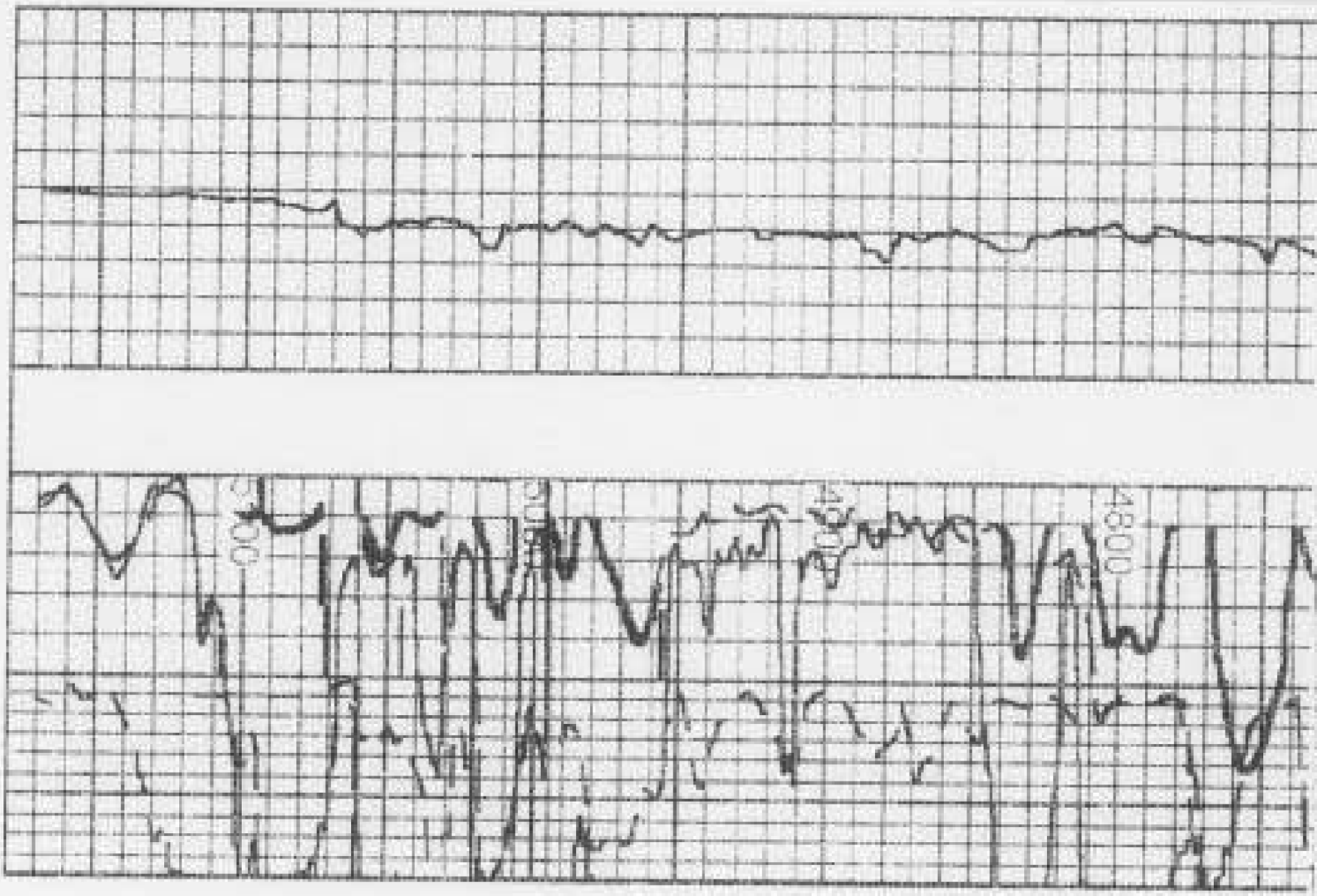
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