FGS core

PERMIT #	:	
OWNER	:	Rainbow Springs Core Hole
	:	Florida Geological Survey - USGS
LOCATION	:	Approximately $1\frac{1}{2}$ mile north of Dunnellon, Sec. 13, T16S, R18E, State Road # 41.
COUNTY	:	Marion
ELEVATION	:	85± 5 est. topt.
DRILLER	:	F. G. S.
STARTED	:	9/17/64
COMPLETED	:	10/1/64
DEPTH	:	442'
CASING	:	6" at 125', ~~125-142 of~~ $4\frac{1}{4}$" and ~~3"~~ at ~~142-442'~~ 300'/3" 17'
REMARKS	:	30 samples (0-442') received from driller 10/7/64 DL

Head - 75.8'

0-$\frac{1}{2}$	Top soil
$\frac{1}{2}$-2	Dark Yellow Sand
2-10	Light Yellow Sand
10-13	Borwn Sand
13-18	Light Yellow Sand
18-33	Yellow Sand with orange colored streaks, little phosphatic clay.
33-69	White sand with streaks soft white phosphate
69-72	Vary colored sand with little clay
72-85	Gray Clay with streaks of phosphate little sand
85-87$\frac{1}{2}$	Light Yellow Sand
87$\frac{1}{2}$-88$\frac{1}{2}$	Phosphate (lump rock) yellow
88$\frac{1}{2}$-89	Yellow Sand
89-92	Phosphate (Lump)
92-96	Light Yellow phosphatic clay
96-107$\frac{1}{2}$	Gray sand and soft phosphate minute black phosphatic pebbles 96 (water circulation lost)
107$\frac{1}{2}$-115	Brown organically little sand some phosphate pebbles and sand
115-116$\frac{1}{2}$	Black Organic clay some phosphate
116$\frac{1}{2}$-118$\frac{1}{2}$	Dark gray clay and soft white lime
118$\frac{1}{2}$-120	Lime rock soft with fairly hard layers
120-121$\frac{1}{2}$	Cavity
121$\frac{1}{2}$-123	Lime rock soft yellow with hard lumps
123-123$\frac{1}{2}$	Cavity
123$\frac{1}{2}$-131$\frac{1}{2}$	Soft and hard layers of lime rock
131$\frac{1}{2}$-142	Lime rock hard and soft layers
142-152	Lime rock brown (honey combed)
152-162	Very Homey comber (fast Penetration) structure rapid penetration (little recovery)

162-172	Gray granular lime rock (honey combed) (fast penetration)
172-177	White soft lime rock
177-182	Soft white lime rock (little recovery)
182-192	Same turning brown at bottom
192-194	Cavity
194-202	Very honey comber (little recovery)
202-206	Dolomite (tan colored)
206-220	Gray lime stone honey combed with small cavities
220-223	Hard gray broken lime rock with layers of soft porous rock
223-233	Soft porous dolmitic limestone
233-250	Dolomite (tan colored)
250-263	Dolomite (tan colored) very soft
263-312	Lime rock broken and porous with some shells
312-347	Soft gray lime rock
347-372	Soft tan lime rock very granular
372-399	Limestone (porous) (white and blue)
399-426	Limestone tan (porous) shells
426-438	(Honey combed) limerock some cherts granulars
438-442	Lime rock (soft tan colored) with thin hard layers. Chert granulars coming in hole.
442-	Bottom

Water level reading from top of casing

depth of hole		Water level
96'		51'
142'	(after casing to 125')	77'
206'		76'
430'		75.8'
442'		75.8'

350 well 358 W-7534

Form 2

NOTICE OF INTENTION TO DRILL OR DEEPEN

to the
STATE BOARD OF CONSERVATION
STATE OF FLORIDA

Is this an application to drill or deepen Drill ?

Notice must be given to the State Board of Conservation and approval obtained before drilling begins. Submit this notice in duplicate. One copy will be returned following approval. Locations which do not comply with applicable spacing rules will be set for special hearing. This form shall be accompanied by $50.00 permit fee for all permits to drill, but not for permits to deepen.

Attach certified plat showing proposed location with reference to the nearest lease lines. Also show the nearest wells on all sides of this location and the distance from the proposed location to those wells. Give names of adjoining lease or property owners, and designate all property by lease and company name. Designate scale (1 in.-400 ft.) to which plat is drawn and the northerly direction.

NAME OF COMPANY OR OPERATOR

NAME: Mobil Oil Company, A Division of Socony Mobil Oil Company, Inc.
Address: P. O. Box 685
City: Jackson, Mississippi 39205

DESCRIPTION OF FARM OR LEASE

NAME (FEE OWNER): Camp Phosphate Company
NUMBER OF ACRES: 16,900 WELL NO.: 1
NUMBER OF WELLS ON LEASE: None ACRES ASSIGNED TO WELL: 40

LOCATION OF WELL

FIELD: Wildcat COUNTY: Citrus
SURVEY: Township 17 South, Range 18 East 1420' E of w/l + 965' N of S/L
SECTION: 12 ELEVATION: 106'
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 3300 FEET. w/l of SE/4 Sec 12
DISTANCE FROM LOCATION TO NEAREST DRILLING, COMPLETED, OR APPLIED FOR WELL ON SAME LEASE N.A. FEET.
PROPOSED DEPTH TO BE DRILLED 6000 FEET.
IS THIS WELL LOCATED IN (1) A MUNICIPALITY, (2) TIDAL WATERS WITHIN 3 MILES OF A MUNICIPALITY, OR (3) ON AN IMPROVED BEACH AS SET OUT IN SECTION 18, PARAGRAPH (e), (f), and (g), OF H.B. 284 (SEE REVERSE SIDE) No (Yes or No) IF SO, IS COPY OF PERMIT FROM GOVERNING AUTHORITIES ATTACHED? No (Yes or No)

The status of bond for this well in conformance with Rule B-7 of the Board is as follows: Blanket Bond in effect

Correspondence regarding this well should be addressed to: Mr. Robert R. Graves, District Exploration Superintendent, Mobil Oil Company, P. O. Box 685, Jackson, Mississippi 39205

AFFIDAVIT

I, ~~Charlotte~~ Fred A. Dix, Jr., being first duly sworn on oath, state that to the best of the knowledge and belief of the undeersigned the facts and matter herein set forth are true and correct.

NAME Fred A. Dix, Jr. for R. R. GRAVES
TITLE ~~DISTRICT EXPLORATION SUPERINTENDENT~~

Subscribed and sworn to before me this 16th day of November, 1965.

Charlotte A. Comans
Notary Public
Hinds County
My Commission Expires August 27, 1969 Address Jackson, Mississippi, ~~Florida~~

ACTION OF BOARD

APPROVED: December 7, 1965 DENIED:

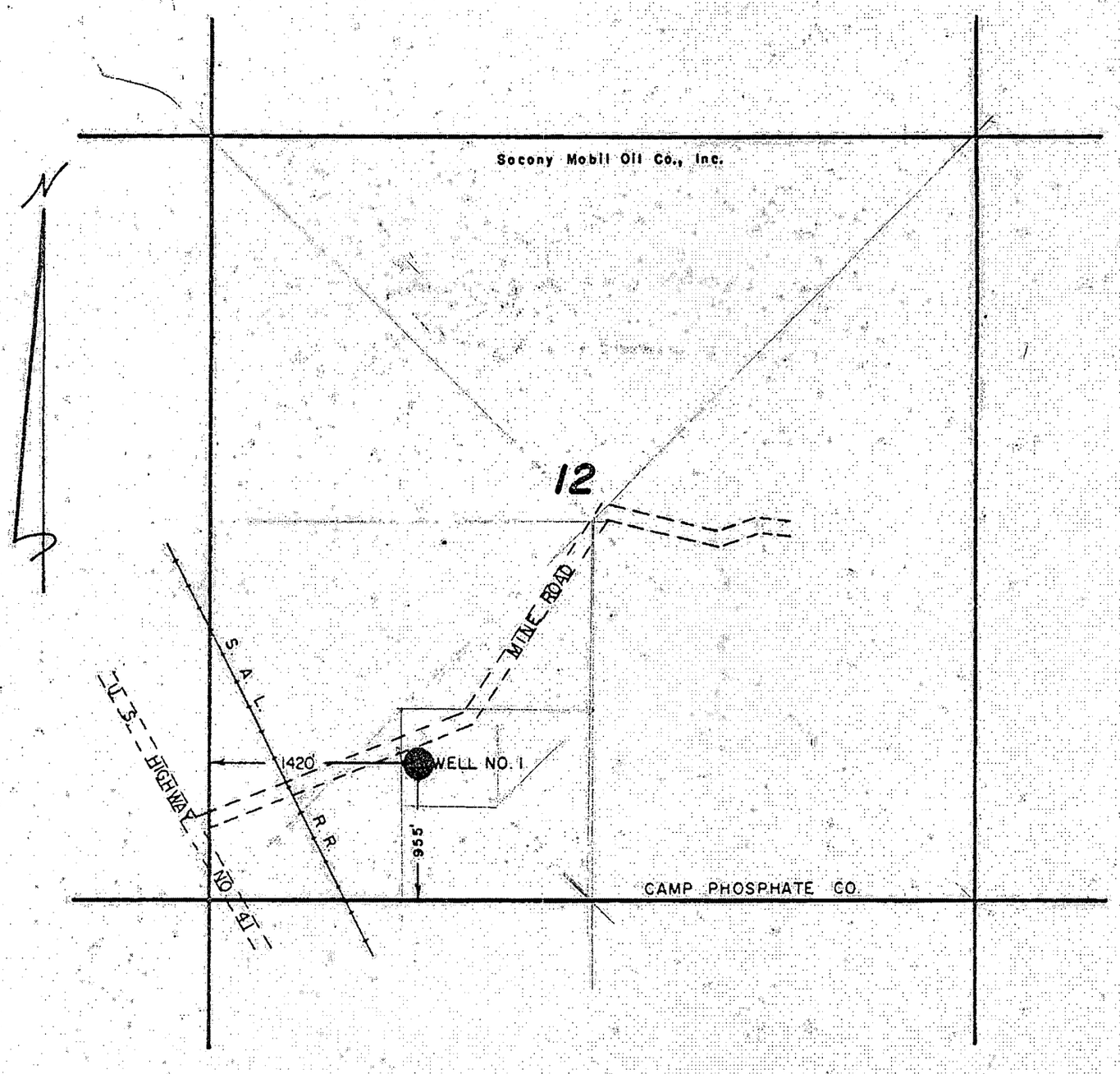
STATE BOARD OF CONSERVATION,
By Randolph Hodges

Permit No. 358. To be filled in by Board. This number should always be used in correspondence relating to this well.

19

THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF SOCONY MOBIL OIL CO., INC. AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREOF (PARTIAL OR COMPLETE) SHALL BE RETURNED TO THE OWNER ON DEMAND.

CO7214 (8-61)



Reserve . . . . . Permit depth 6000' True Elevation 106'

Special Instructions . . . . . .

Date work is commenced . . . . . , 19 . . . . . Supt

Location approved by . . . . . Plat by . . . . . Surveyed by . . . . .

THE STATE OF FLORIDA
COUNTY OF CITRUS

I hereby certify that this plat truly represents conditions as they actually exist on this lease; that said plat which is drawn to the scale indicated hereon, is to the best of my knowledge true and correct; that it accurately shows said lease with all wells on same; that number and locations of said wells are as indicated hereon; and that this plat correctly reflects all pertinent and required data.

Willard R. Bowsky

WILLARD R. BOWSKY
FLA. REG. SURVEYOR NO. 1829
INVERNESS, FLA.

SOCONY MOBIL OIL COMPANY, INC.
EXPLORATION & PRODUCING DEPARTMENT
SHREVEPORT, LOUISIANA

LEASE CAMP PHOSPHATE CO.
WELL NO. ● DATE NOVEMBER 12, 1965
DISTRICT SHREVEPORT LEASE NO.
TOTAL ACRES IN LEASE 640 AC. ACRES COVERED BY PLAT 640 AC.
DESCRIPTION ALL OF SEC. 12, T. 17 S., R. 18 E.

CITRUS COUNTY, FLORIDA

DRAWN A. D. R.	DATE 11-12-65	FIELD Wildcat
SCALE 1" = 1000'	FILE NO.	

19

GEOPHYSICAL LOG

CONTINUOUS VELOCITY WELL LOG

PRESENTATION BY

MOBIL OIL COMPANY
GEOPHYSICAL SERVICES
DALLAS, TEXAS

X-3257 (1-60)

COMPANY	MOBIL OIL COMPANY	FILE NO. 3945
WELL	FL. CAUSE PHOSPHATE	LOCATION OF WELL
FIELD	WILDCAT	Sec 12-17S-18E
COUNTY	CITRUS	1420' FEL
STATE	FLORIDA	955' FSL

ELEVATION G.L. 100 K.B. 116 DATUM SL

RUN NUMBER				
DATE	1966-03			
TOGGED FROM				
CASING DEPTH (DRLR)	3,578 FSH			
TOTAL DEPTH (DRLR)	4,80			
HOLE DIAMETER	7 7/8"			
MUD TYPE	Gel. Dev. Quad			
MUD DENSITY	9.8 - 9.5			
MAX. TEMP. DEGREES F	104 F			
TRAN TO RCVR 1				
RCVR 1 TO RCVR 2				
ORIGINAL CVL BY	SCHLUMBERGER			

RECEIVED
OCT 20 1972
DIV. OF INTERNAL RESOURCES
BUREAU OF GEOLOGY
TALLAHASSEE, FLORIDA

TIMES ARE SUB DATUM PLANE
AVERAGE VELOCITY — DEPTH SUB DATUM / TIME SUB DATUM
© — TIMES FROM GEOPHONE SURVEY

Original CVL data corrected on digital computer to give best fit to geophone survey. Corrected CVL data summed and plotted in 10 ft. intervals. Obvious field and processing errors eliminated during refraction.

CORRECTION FORMULA FOR CVL	DEPTH	TO	DEPTH	A	B
TIE TO GEOPHONE DATA	716		4484	1.00	0

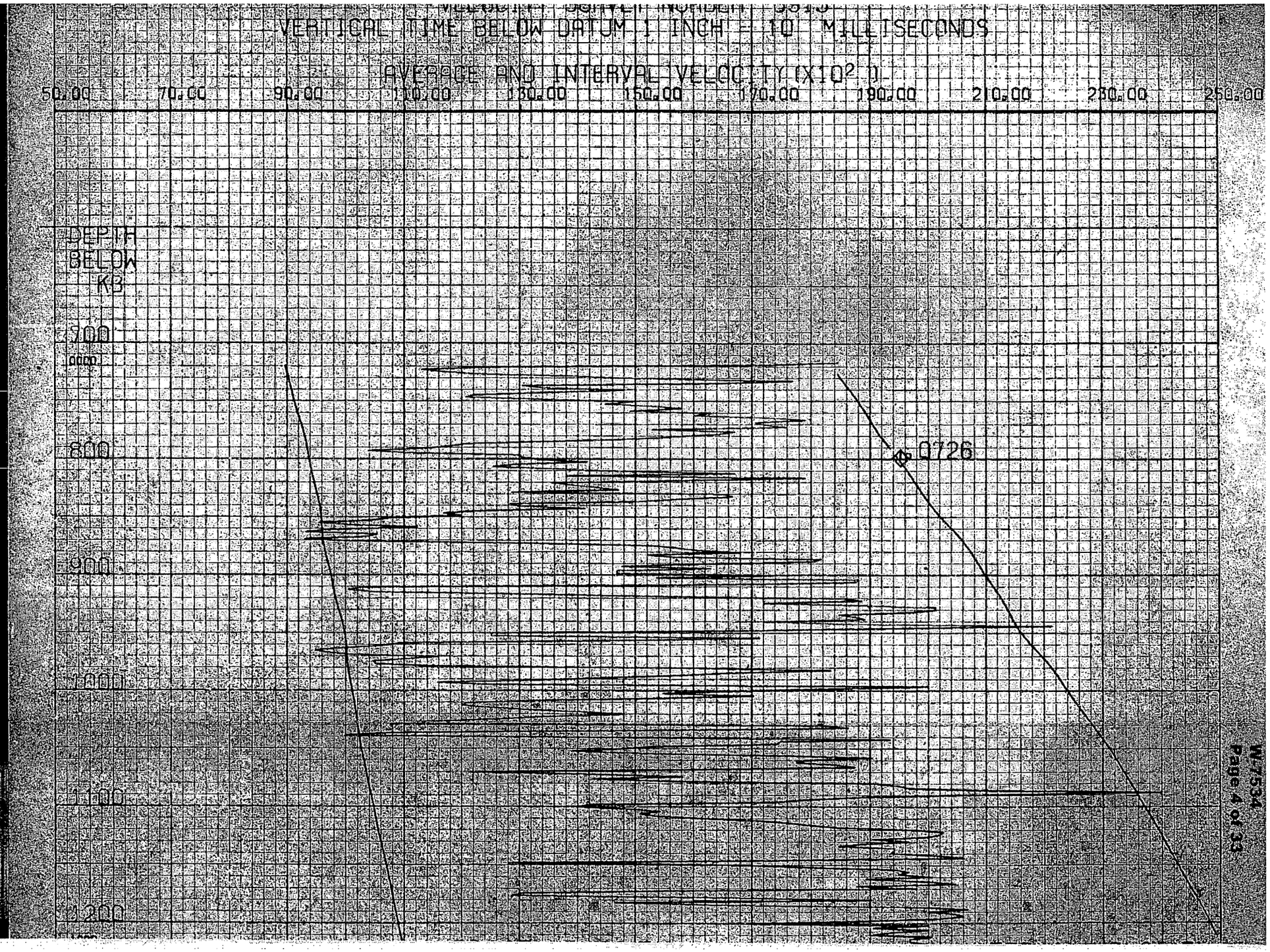
K — Avg. = 8 microsec/ft.
Corrected interval time
Rcvr. field interval time
A — Damaged formation correction
B — Interval time shift

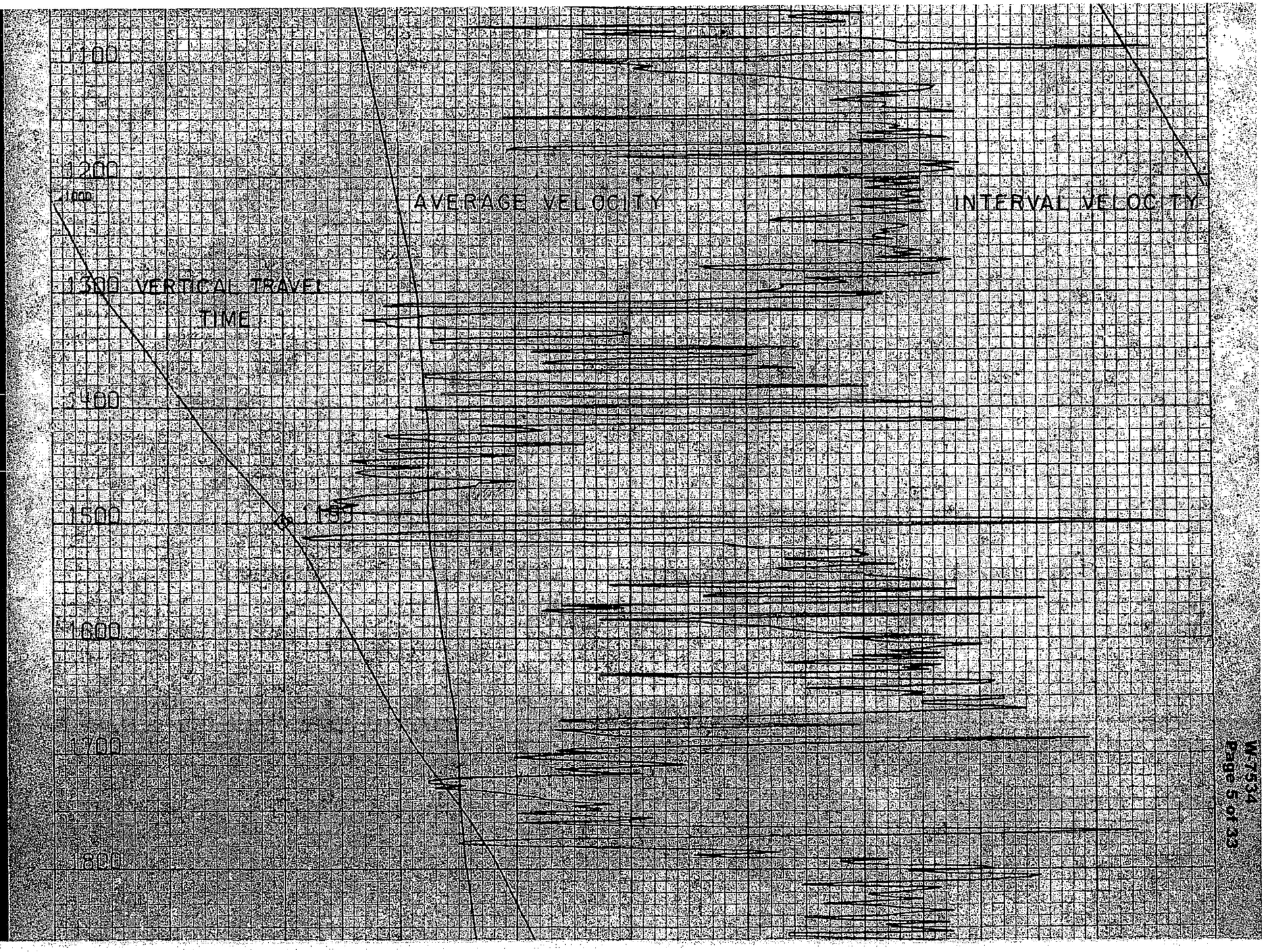
REMARKS: The quality of the check shot data is poor. The shot [illegible] data were corrected to 58' or 29001/s, where as the [illegible] 3000'/s. The SCHMT shots were corrected to [illegible] 3000 f/s.

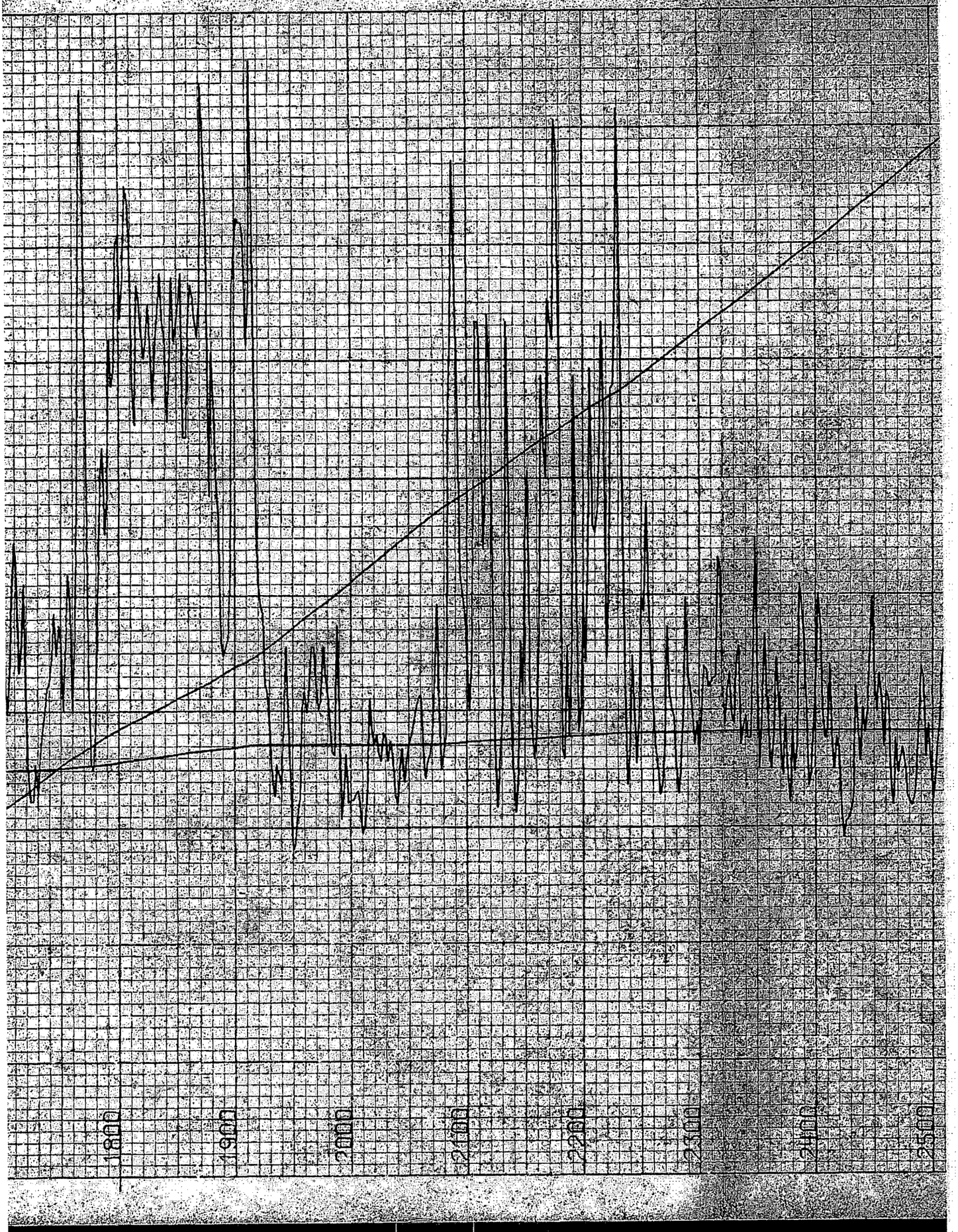
The [illegible] required a reasonable tie with the check shot data [illegible]

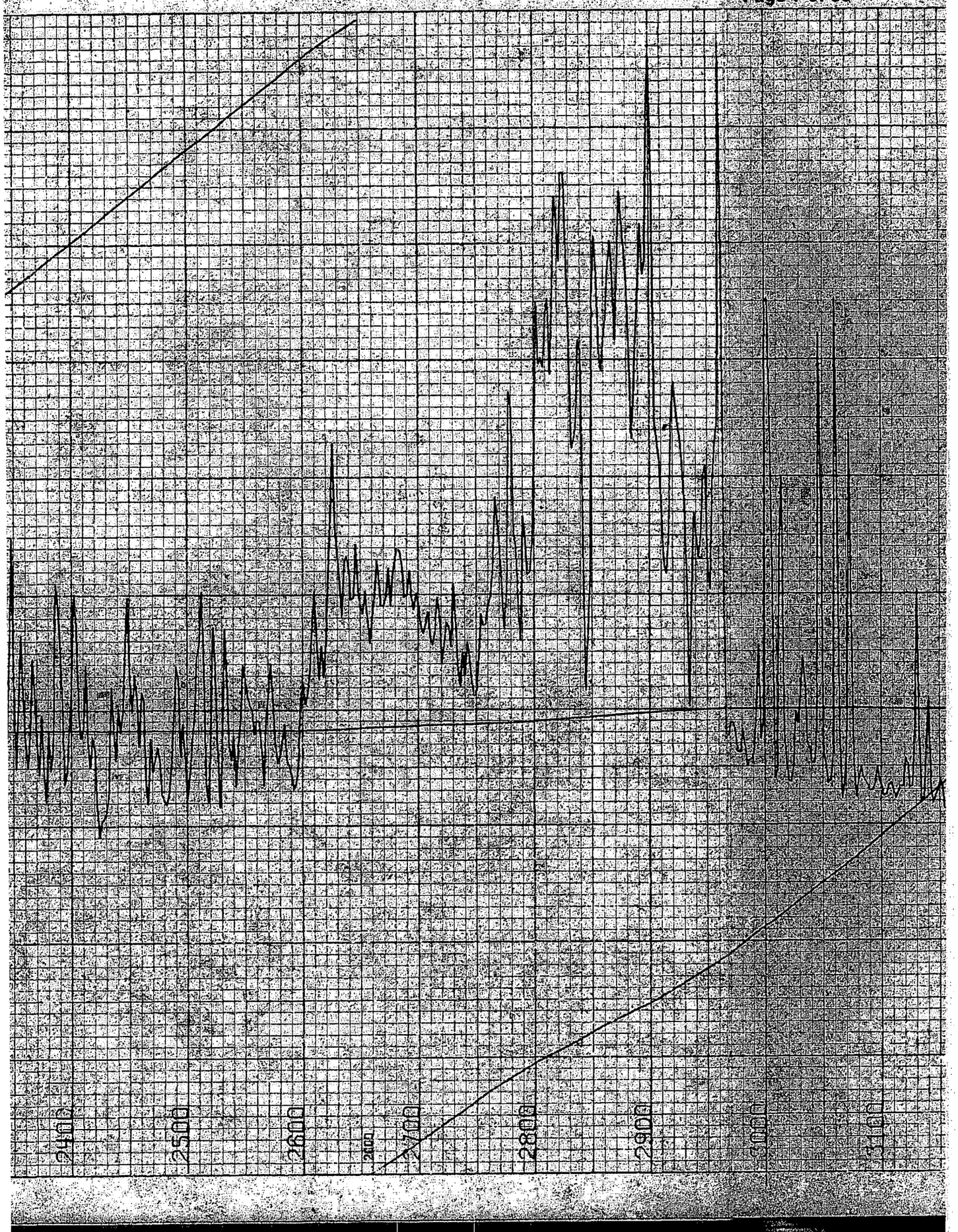
Date MARCH 1966

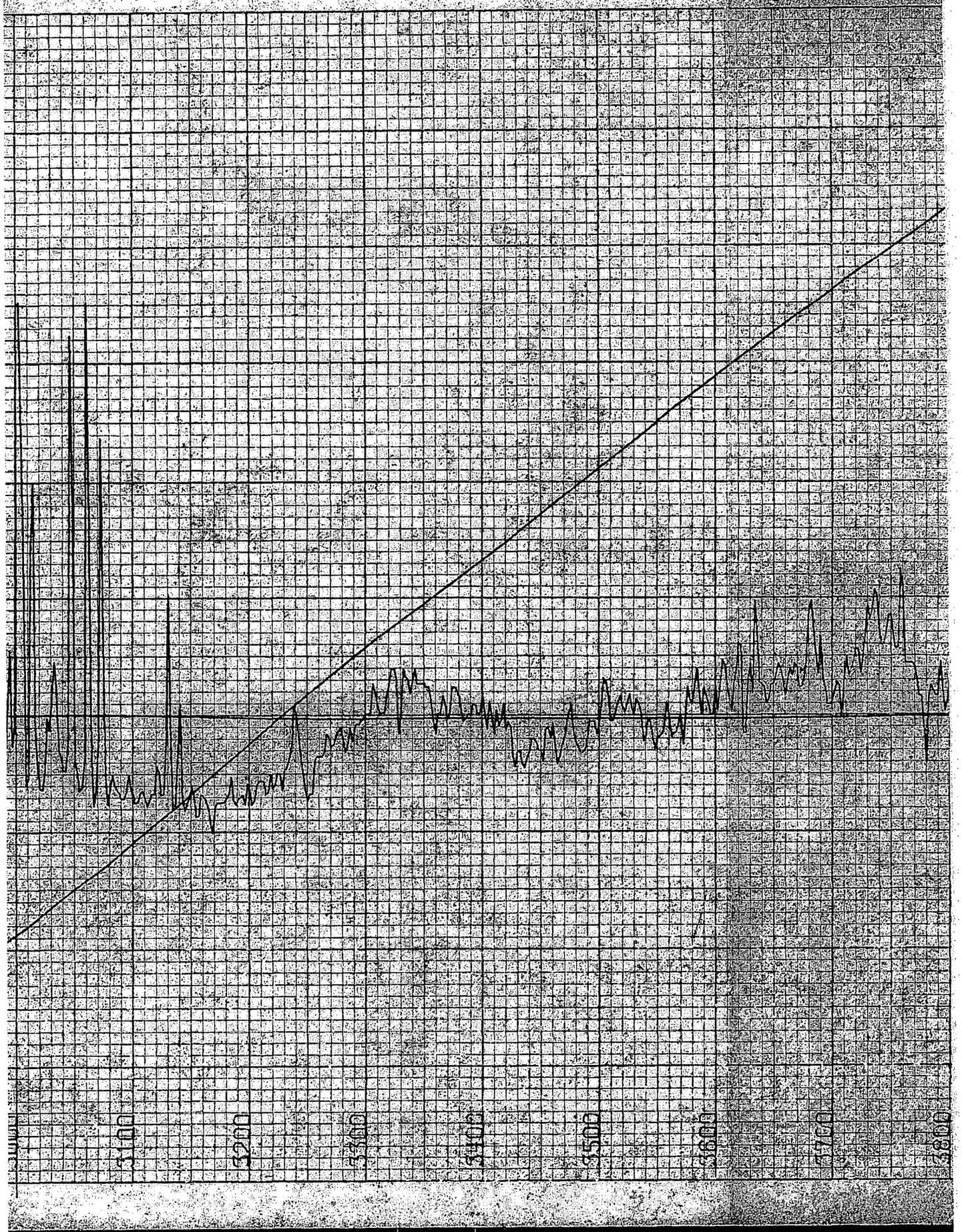
WELL GEOPHYSICAL SURVEY NUMBER	3945										
VERTICAL TIME BELOW DATUM IN INCH	1.0 MILLISECONDS										
AVERAGE AND INTERVAL VELOCITY (X 10²)											
	0.00	70.00	80.00	110.00	150.00	170.00	190.00	210.00	250.00	290.00	

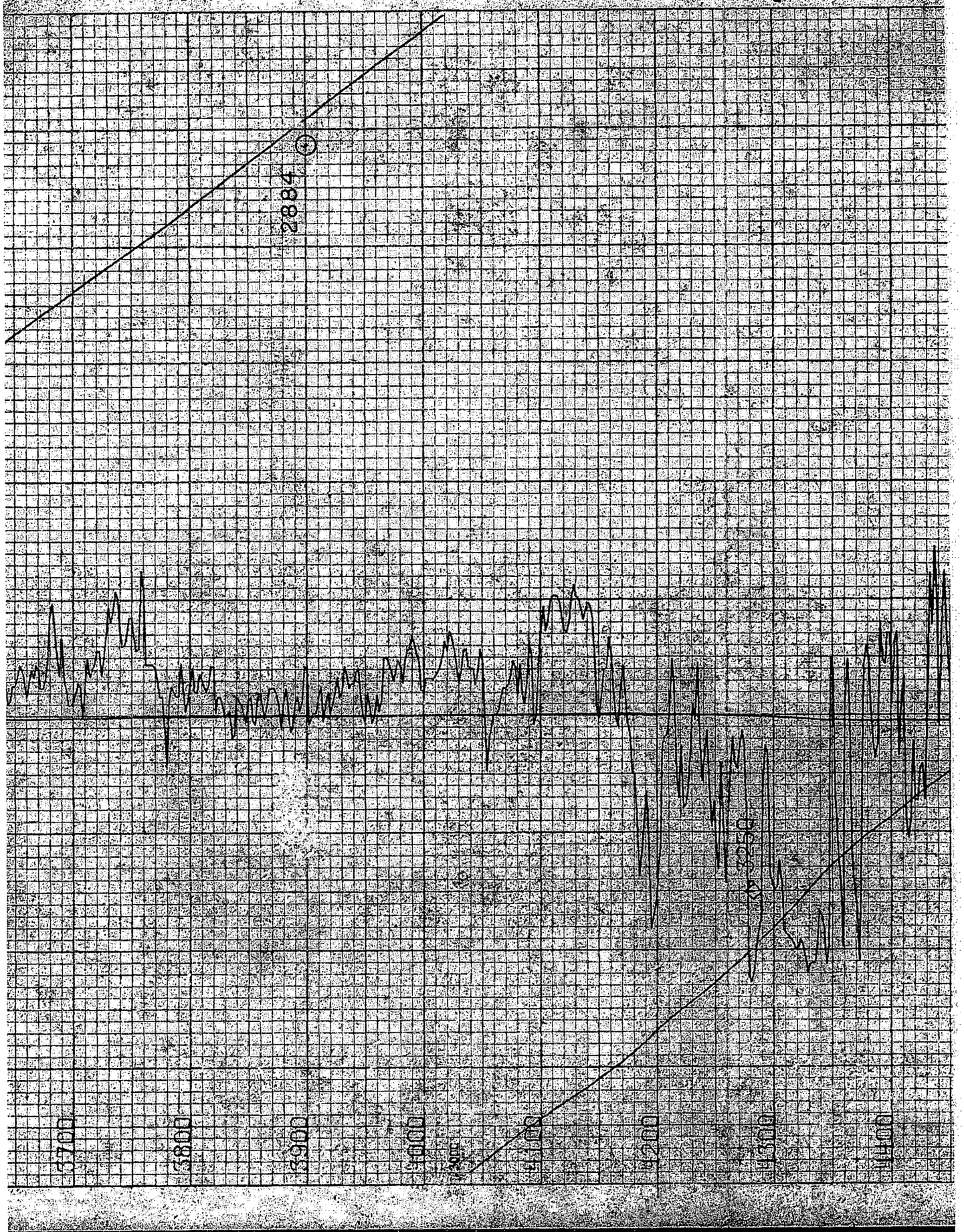

VERTICAL TIME BELOW DATUM 1 INCH = 10 MILLISECONDS
AVERAGE AND INTERVAL VELOCITY (X10² ft/
50.00
70.00
90.00
110.00
130.00
150.00
170.00
190.00
210.00
230.00
250.00
DEPTH BELOW KB
700
800
900
1000
1100
1200
0726

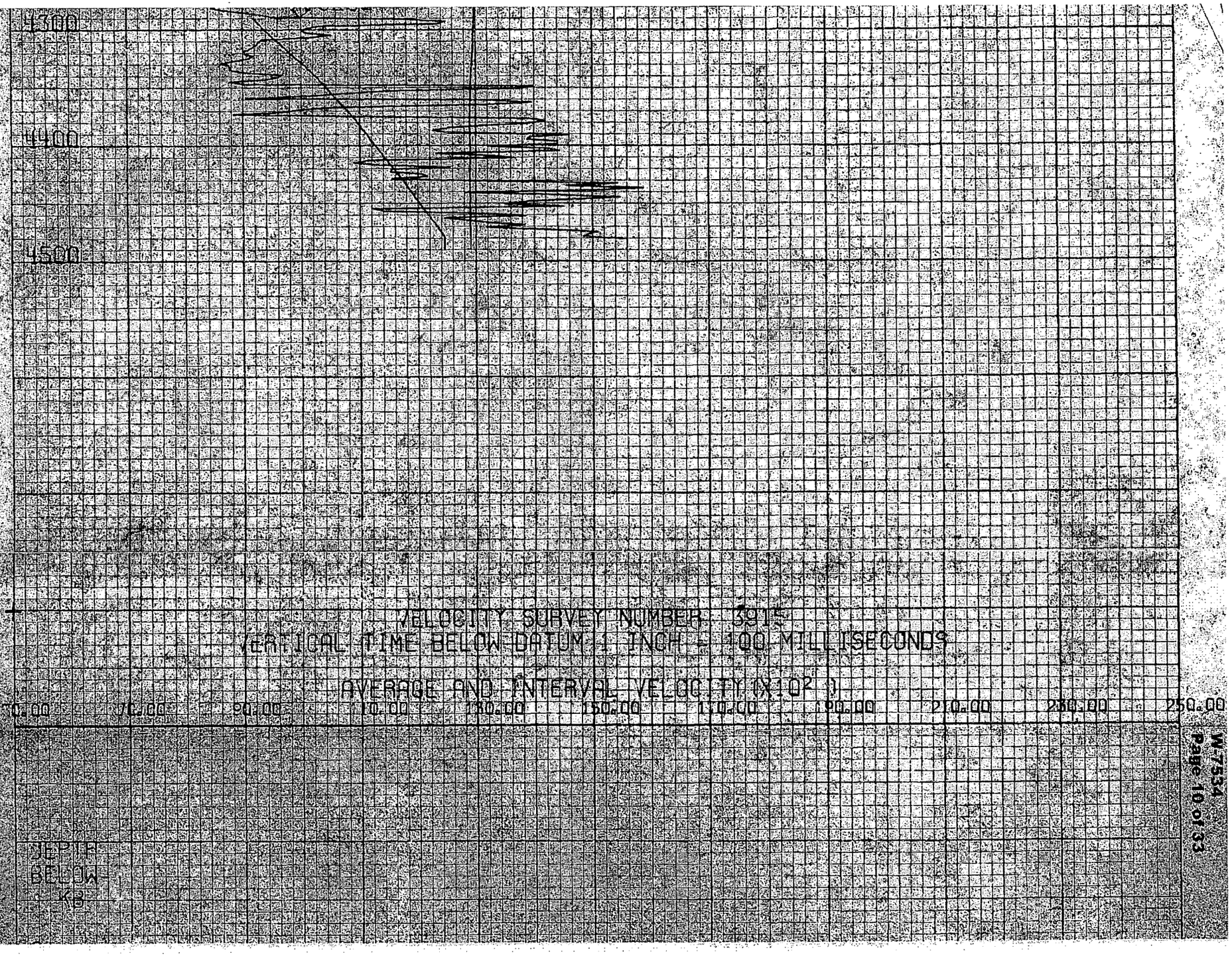

1100
1200
1300
1400
1500
1600
1700
1800
AVERAGE VELOCITY
INTERVAL VELOCITY
VERTICAL TRAVEL
TIME


1800
1900
2000
2100
2200
2300
2400
2500


2400
2500
2600
2700
2800
2900
3000
3100


3100
3200
3300
3400
3500
3600
3700
3800


2884
7700
7800
7900
8000
8100
8200
8300
8400
8500
8600


4300
4400
4500
VELOCITY SURVEY NUMBER 391
VERTICAL TIME BELOW DATUM 1 INCH = 100 MILLISECONDS
AVERAGE AND INTERVAL VELOCITY (X10²)
0.00
70.00
90.00
110.00
130.00
150.00
170.00
190.00
210.00
230.00
250.00
JEPIR
BELOW
KB

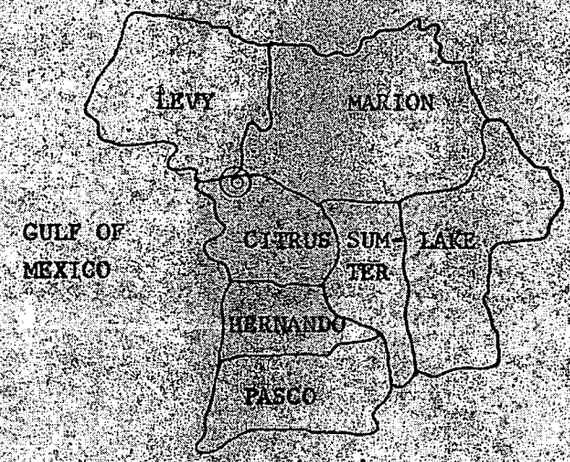
DEPTH
BELOW
KB
0
1000
2000
3000
4000
5000
AVERAGE VELOCITY
INTERVAL VELOCITY
VERTICAL TRAVEL
TIME

5000

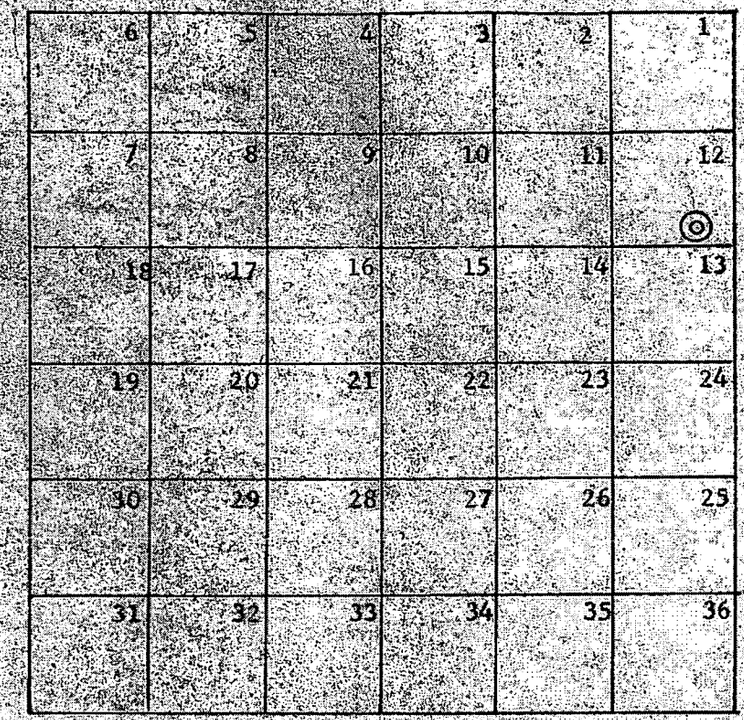
WELL LOCATION MAP

6	5	4	3	2	1

WELL LOCATION MAP

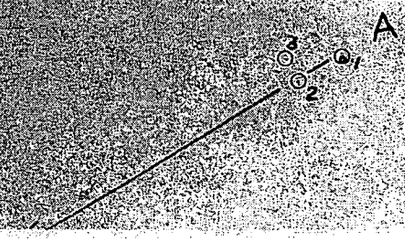


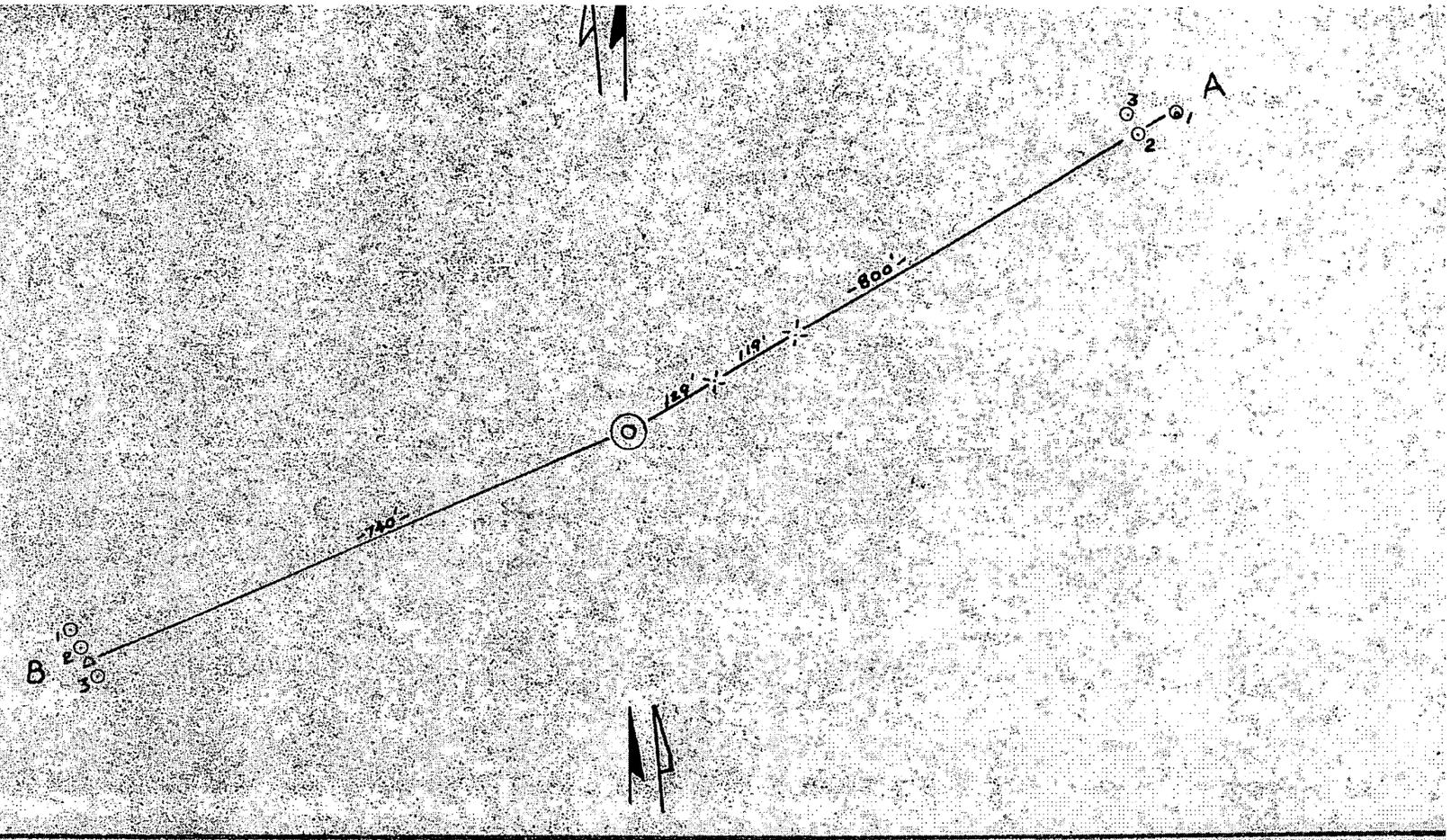
MOBIL #1 CAMP PHOSPHATE CO.
CITRUS COUNTY, FLORIDA



Scale 1"=8000'

SHOOTING PLAN MAP

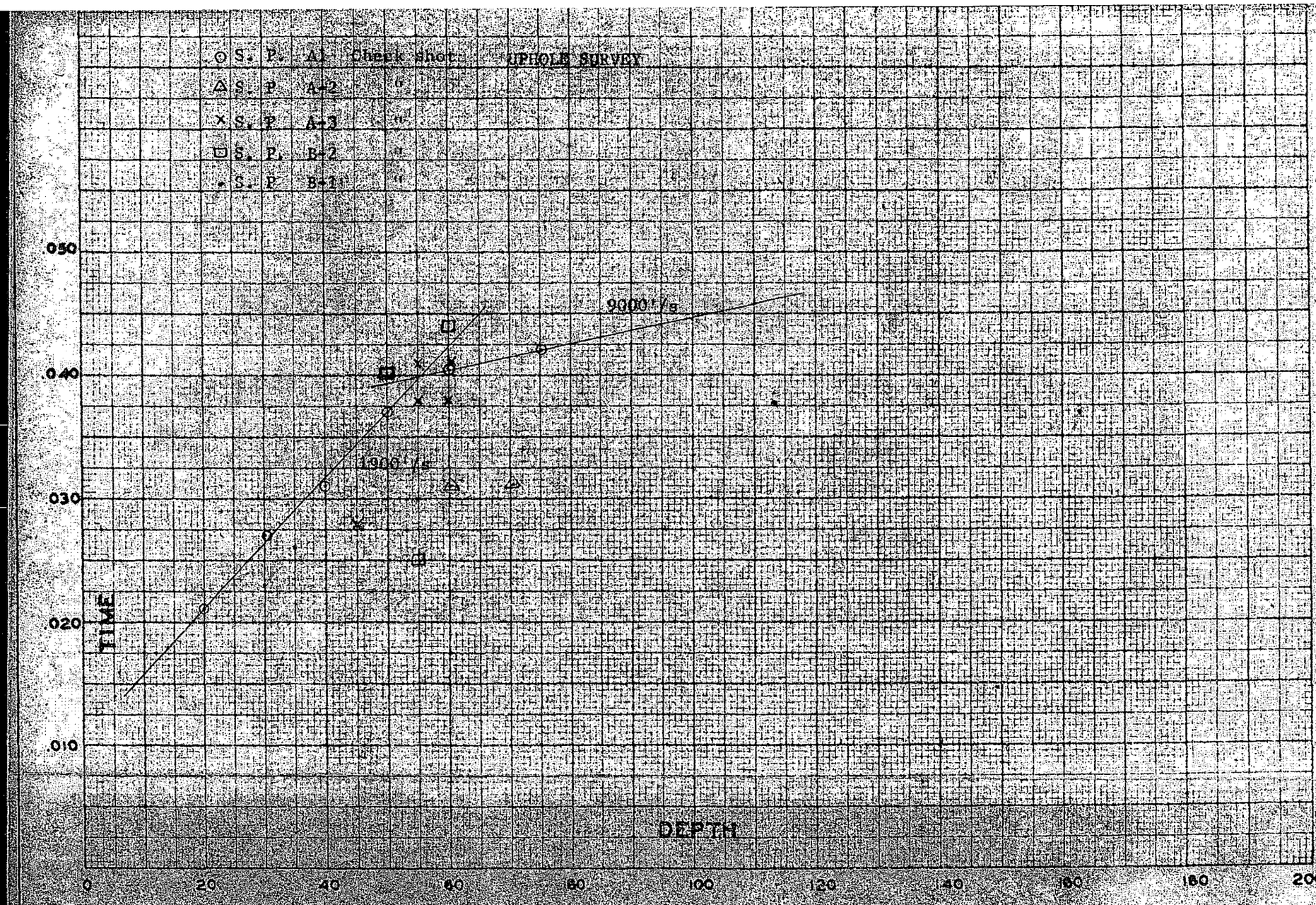




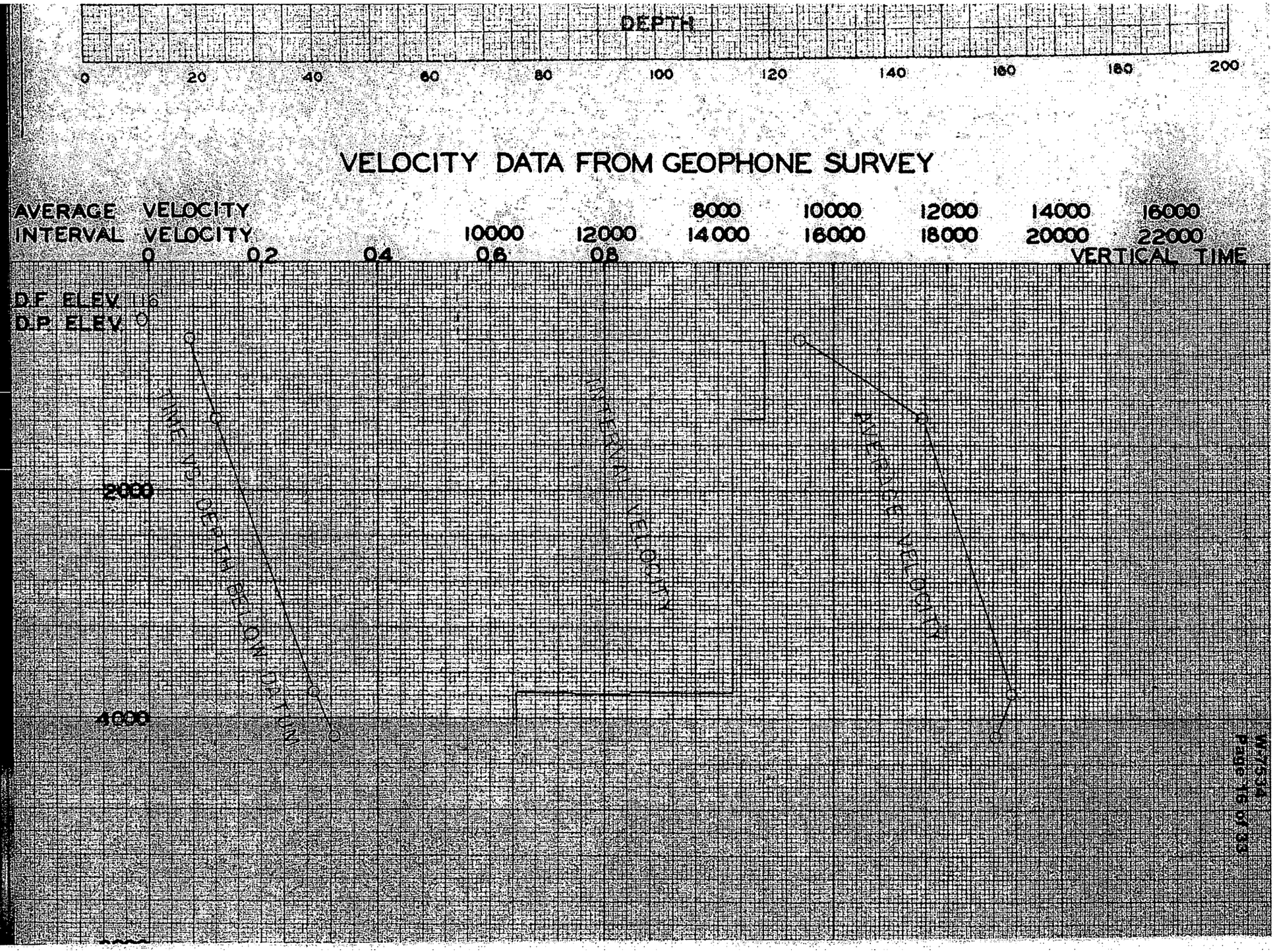
REMARKS

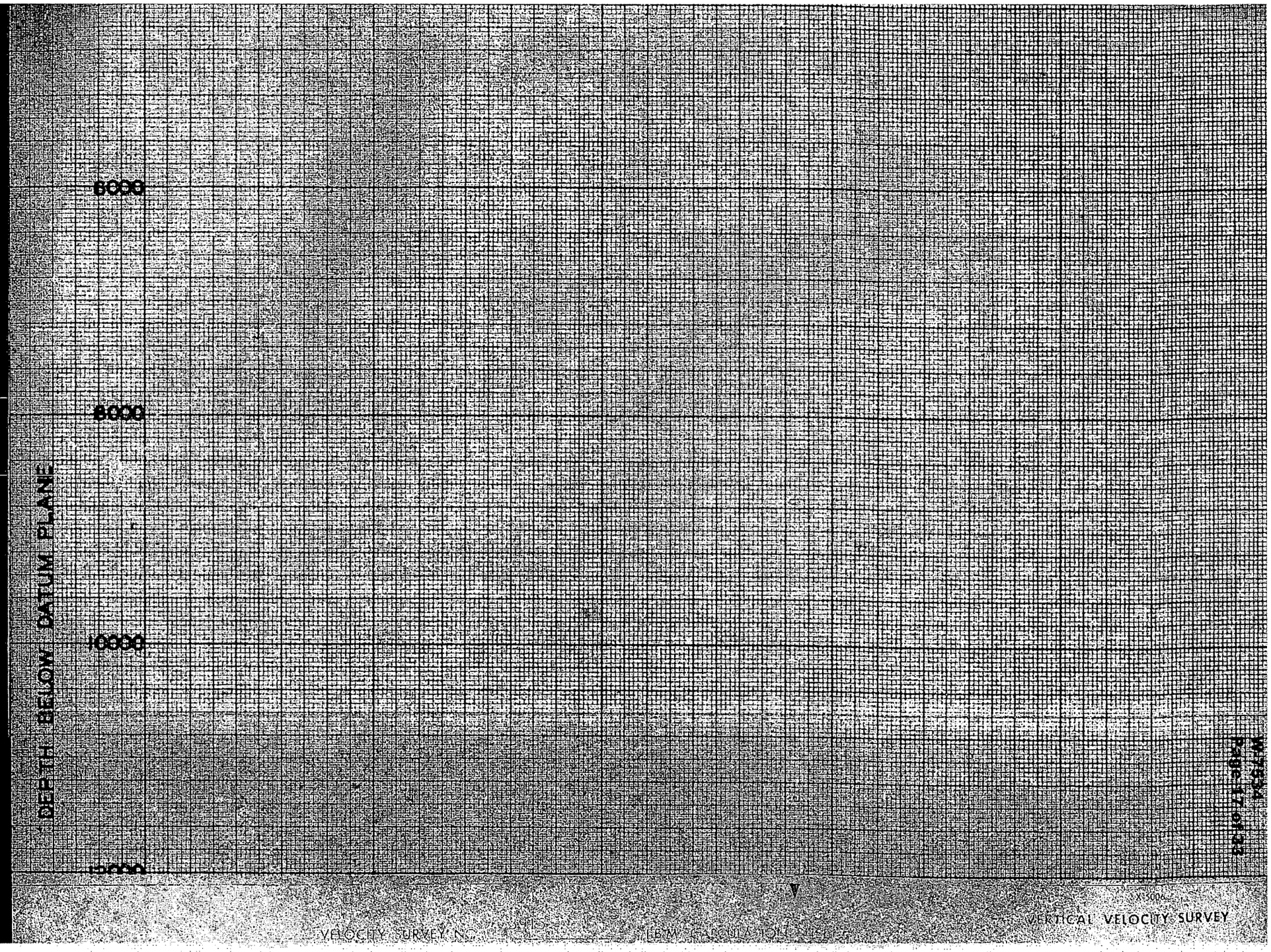
UPHOLE SURVEY

⊙	S. P.	A1	Check shot	UPHOLE SURVEY
△	S. P	A-2	"	
×	S. P.	A-3	"	
□	S. P.	B-2	"	
-	S. P	B-1	"	



VELOCITY DATA FROM GEOPHONE SURVEY


DEPTH
0
20
40
60
80
100
120
140
160
180
200
VELOCITY DATA FROM GEOPHONE SURVEY
AVERAGE VELOCITY
INTERVAL VELOCITY
0
0.2
0.4
0.6
0.8
10000
12000
8000
14000
10000
16000
12000
18000
14000
20000
16000
22000
VERTICAL TIME
D.F. ELEV. 116
D.P. ELEV. 0
2000
4000
TIME VS. DEPTH BELOW DATUM
INTERVAL VELOCITY
AVERAGE VELOCITY


DEPTH BELOW DATUM PLANE
6000
8000
10000
12000
VERTICAL VELOCITY SURVEY

X-5006

VERTICAL VELOCITY SURVEY

VELOCITY SURVEY NO. 3915 I.B.M. CALCULATION SHEET

WELL NAME MOBIL #1 CAMP PHOSPHATE CO.

LOCATION SEC 12-17S-18E [illegible], FLORIDA

SUBWEATHERING VELOCITIES A 9000 B 9000

DERRICK FLOOR ELEV. 116

DATUM PLANE ELEV. 0

SURFACE ELEV. 107

FORMATION	DEPTH BELOW DERRICK FLOOR	(A) VERTICAL TIME BELOW DATUM PLANE	(B) VERTICAL TIME BELOW DATUM PLANE	AVERAGE VERTICAL TIME BELOW SURFACE	AVERAGE VELOCITY BELOW SURFACE	INTERVAL DEPTH	INTERVAL TIME	INTERVAL VELOCITY	DEPTH BELOW DATUM PLANE	AVERAGE VERTICAL TIME BELOW DATUM PLANE	AVERAGE VELOCITY BELOW DATUM PLANE	DEPTH SUB-SEA
	65			.0398	1395				-52	[illegible]		52
						52	.0057	9000				
	116			.0455	2352							
	800	.0709										
						684	.0726	9424				
	800	.0743		.1181	6699				684	.0726	9424	-684
	1500	.1203										
						700	.0473	14804				
	1500	.1194		.1654	9016				1384	.1199	11546	-1384
						2400	.1685	14240				
	3900	.2866	.2902	.3339	11653				3784	.2884	13120	-3784
	4283	.3230										
						383	.0366	10458				

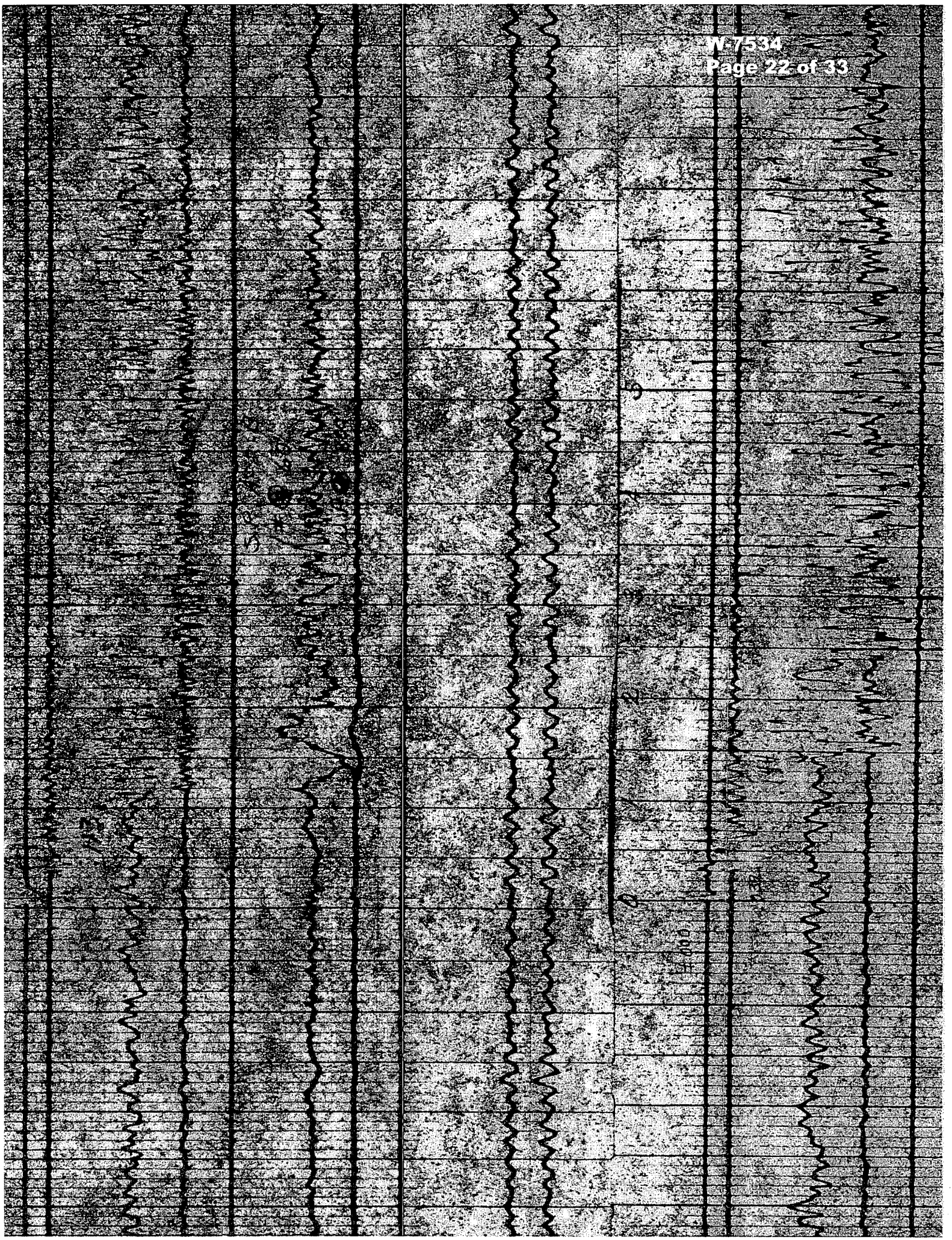
	1500	.1194		.1654	9016	700	.0473	14804	1384	.1199	11546	-1384
	3900	.2866	.2902	.3339	11653	2400	.1685	14240	3784	.2884	13120	-3784
	4283	.3230										
	4283	.3270		.3705	11535	383	.0366	10458	4167	.3250	12821	-416

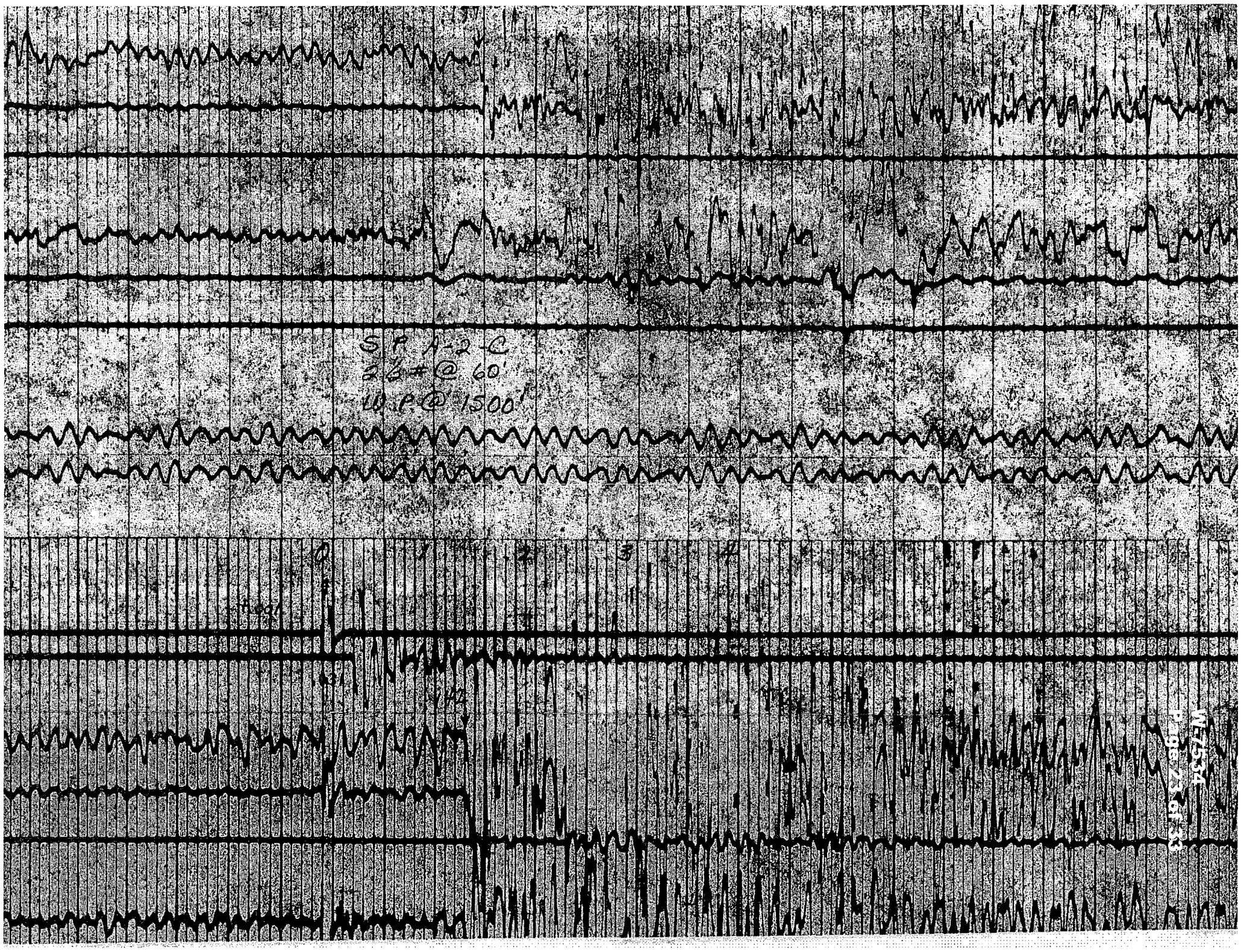
CO 8338A (10-64)

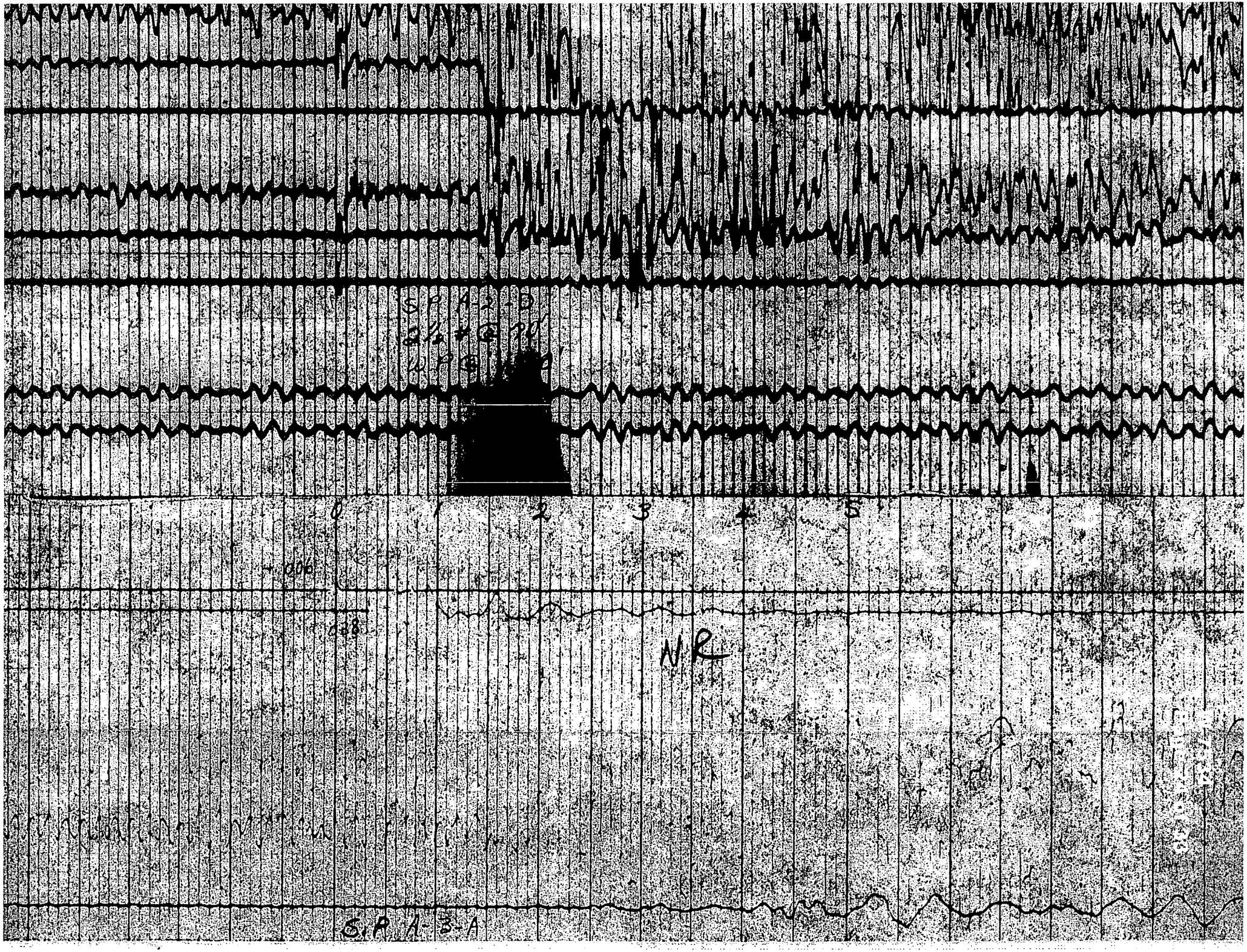
SOURCE DATA FOR VERTICAL VELOCITY SURVEY

SURVEY NO.	DEPTH BELOW DERRICK FLOOR	AGE CODE NO.	FORMATION CODE NO.	(A) SHOT POINT NO.	(A) HORIZONTAL DISTANCE FROM WELL	(A) SHOT POINT ELEVATION	(A) UPHOLE TIME	(A) DEPTH OF SHOT	(A) RECORD TIME	(B) SHOT POINT NO.	(B) HORIZONTAL DISTANCE FROM WELL	(B) SHOT POINT ELEVATION	(B) UPHOLE TIME	(B) DEPTH OF SHOT	(B) RECORD TIME	
3915	800			A2	800	109	.0320	60	.1130							
3915	800			A2	800	109	.0310	60	.1180							
3915	1500			A2	800	109	.0310	70	.1400							
[illegible]	[illegible]			[illegible]	800	110	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	.0250	5	.0010	
[illegible]	[illegible]			[illegible]	800	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	.0250	15	.0000	
[illegible]	[illegible]			[illegible]	800	110	[illegible]	[illegible]	[illegible]							

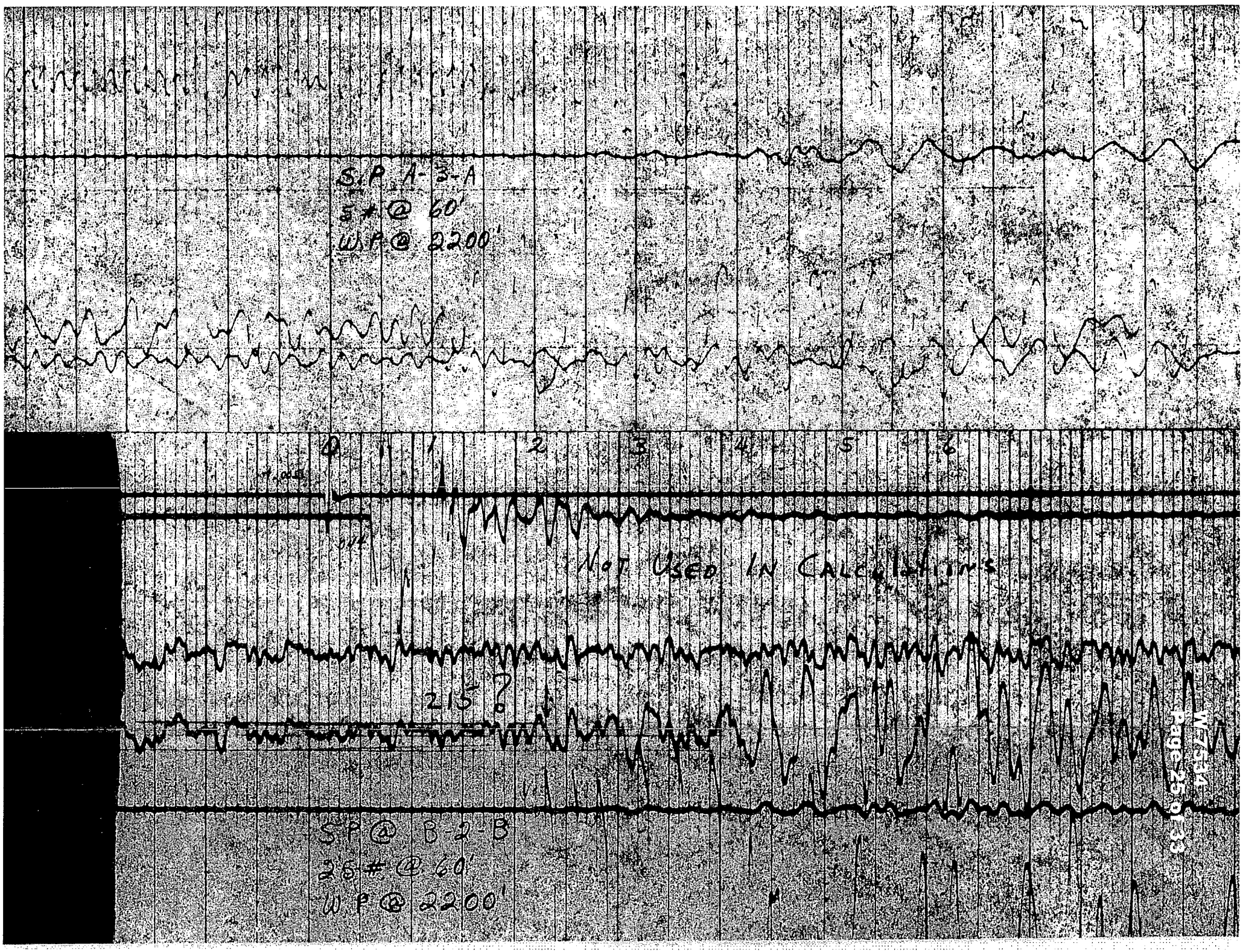
	39[illegible]5	39[illegible]0			A3	800	110	.0380	55	.2990	B2	740	103	.0250	55	.3010
	3915	428			A3	800	110	.0410	55	.3350	B1	740	102	.0250	35	.3060
	3915	4[illegible]83			A3	800	110	.0280	45	.3440						

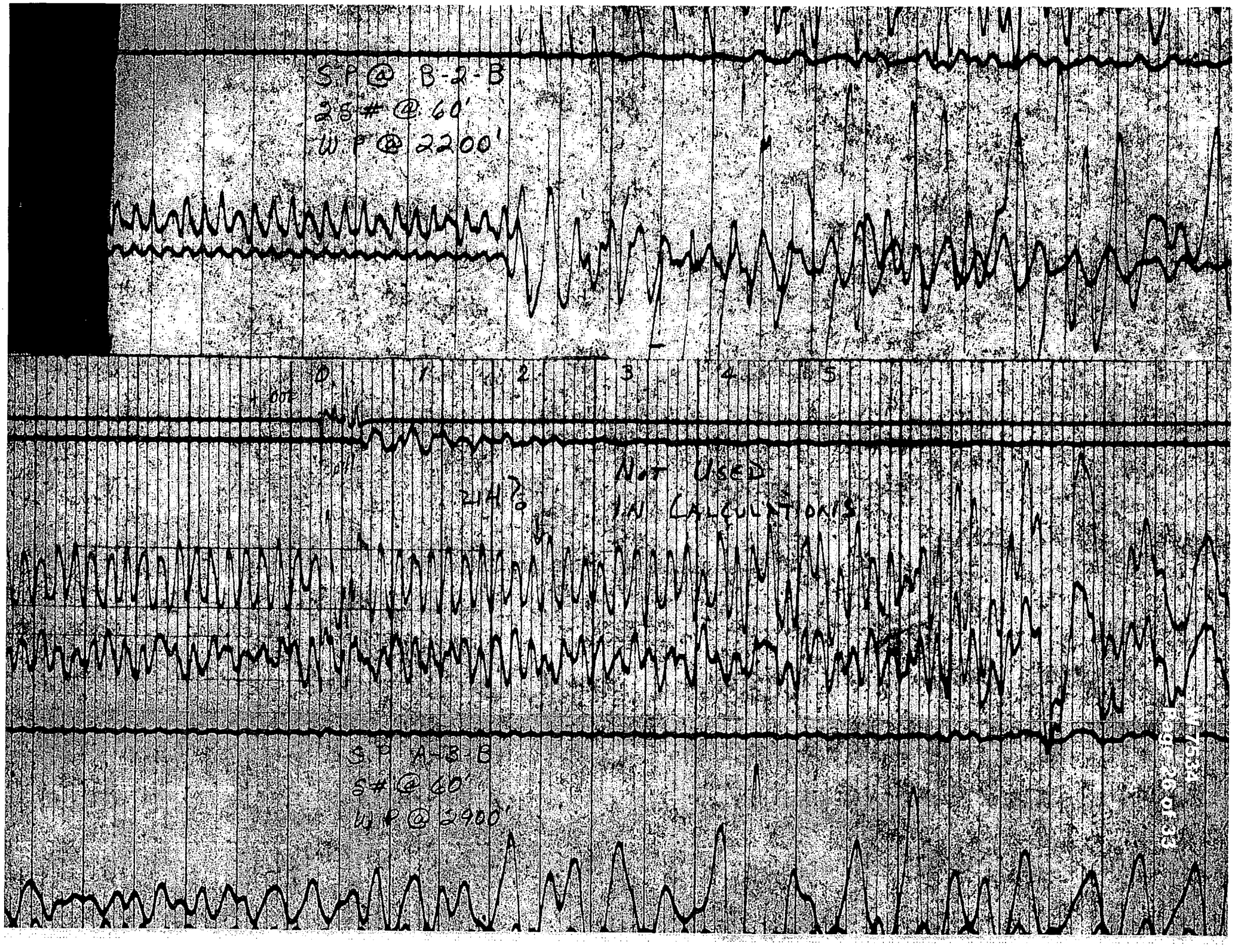


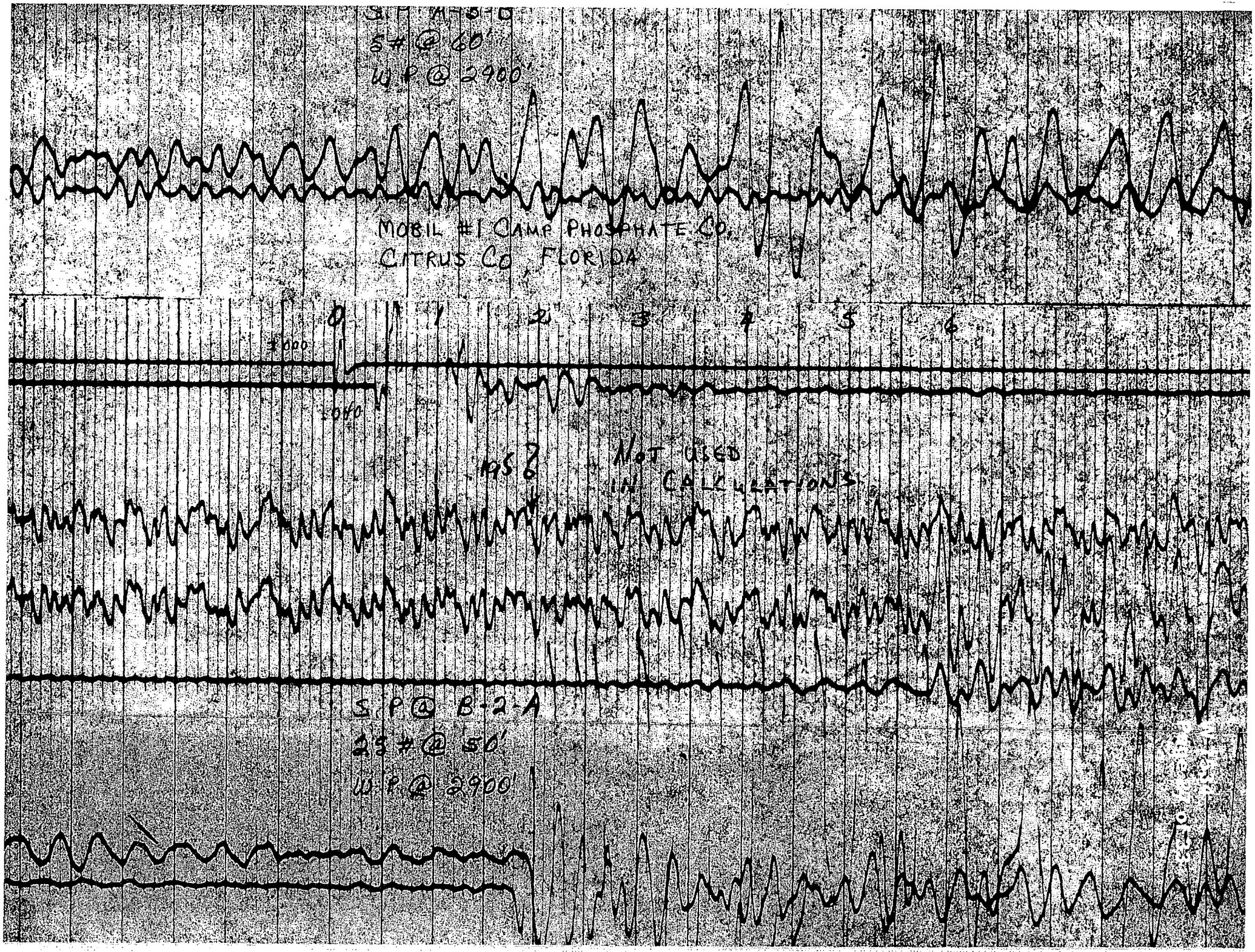

S.P. A-2-C
2½# @ 60'
W.P. @ 1500'
0
1
2
3
4

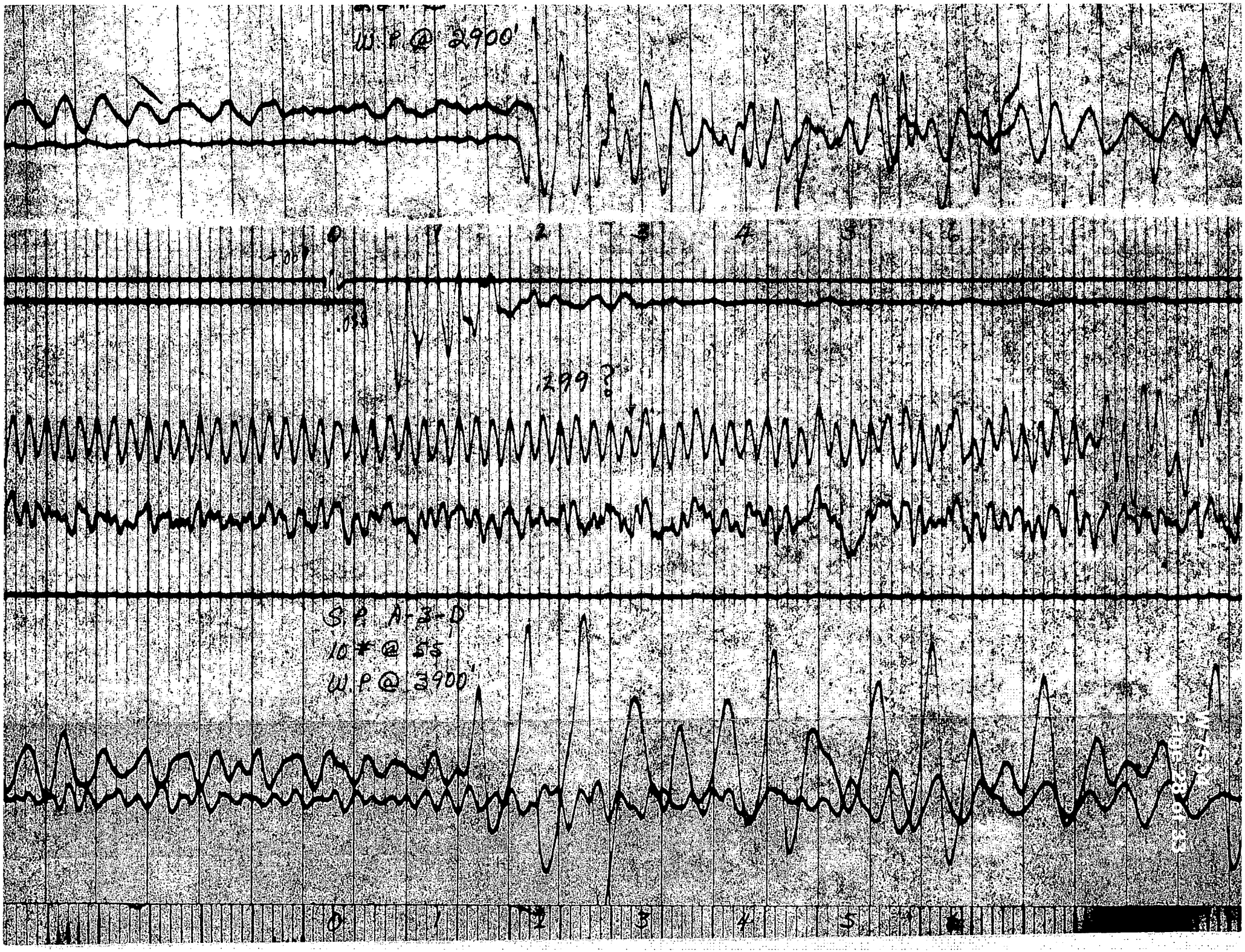


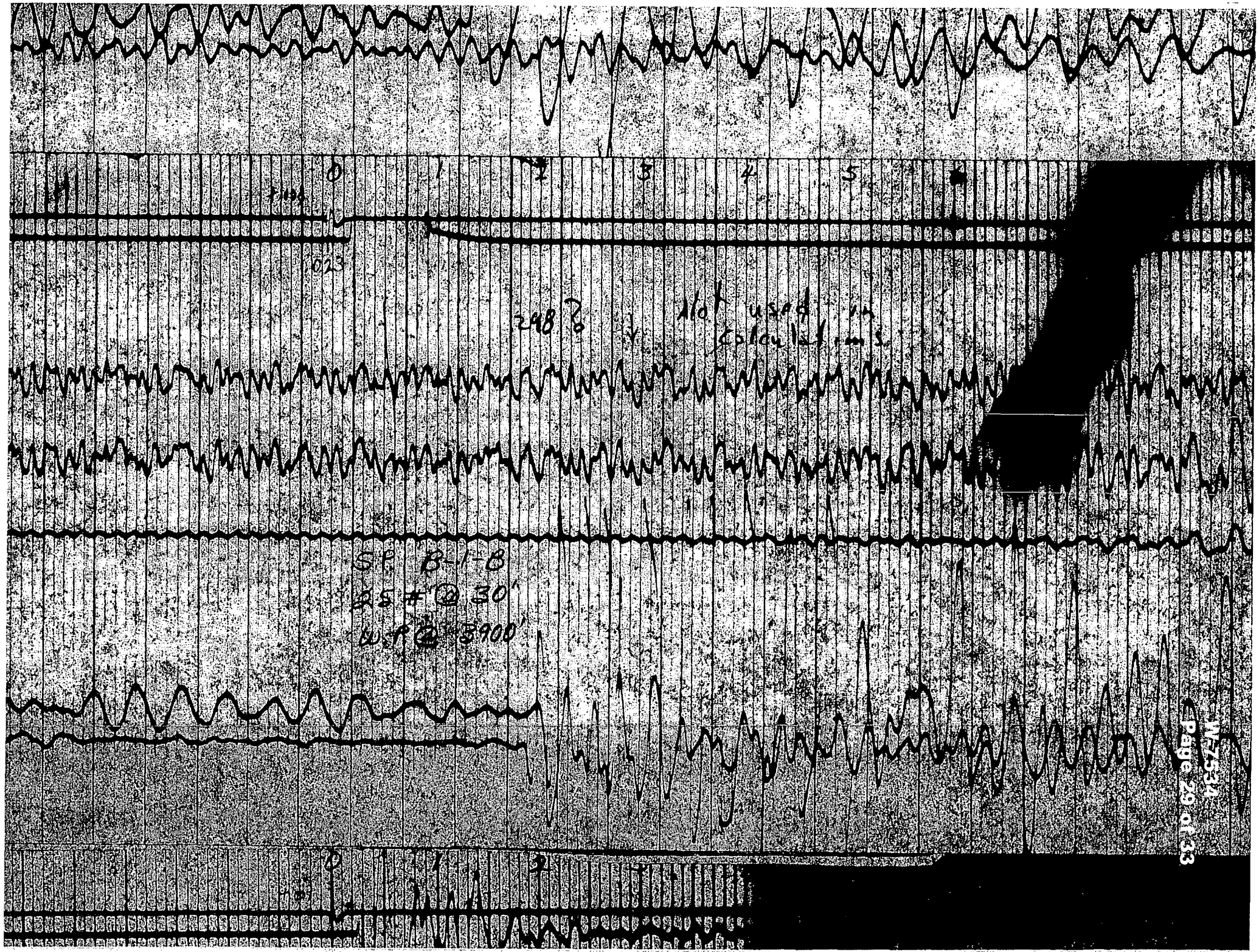
S.P. A-2-D
0
1
2
3
4
5
+.006
.038
NR
S.P. A-3-A


S.P A-3-A
5# @ 60'
W.P @ 2200'
0
1
2
3
4
5
6
NOT USED IN CALCULATIONS
215 ?
SP @ B-2-B
25# @ 60'
W P @ 2200'

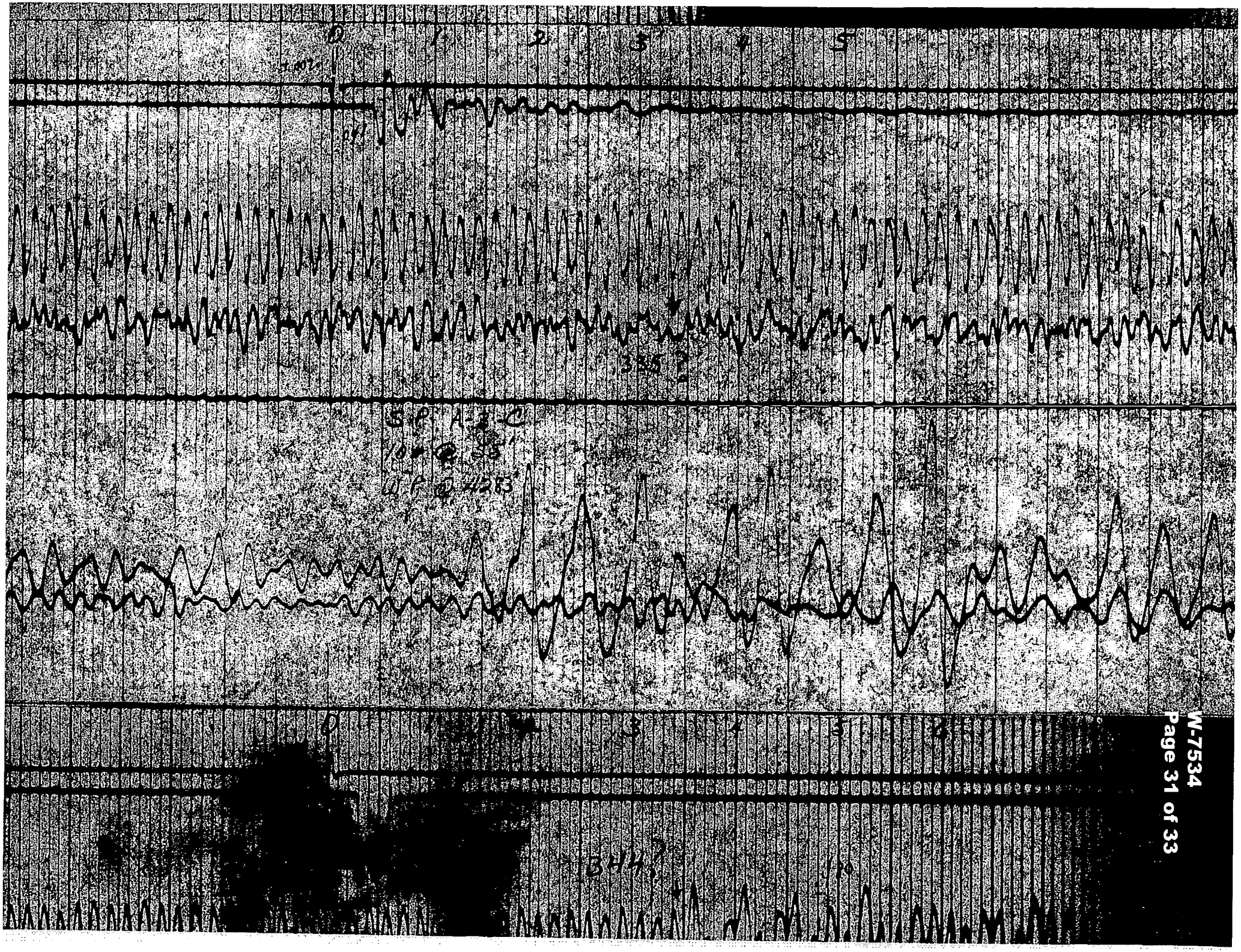

S.P @ B-2-B
2S # @ 60'
W.P @ 2200'
0
1
2
3
4
5
NOT USED
IN CALCULATIONS
S.P A-3-B
S # @ 60'
W.P @ 2900'

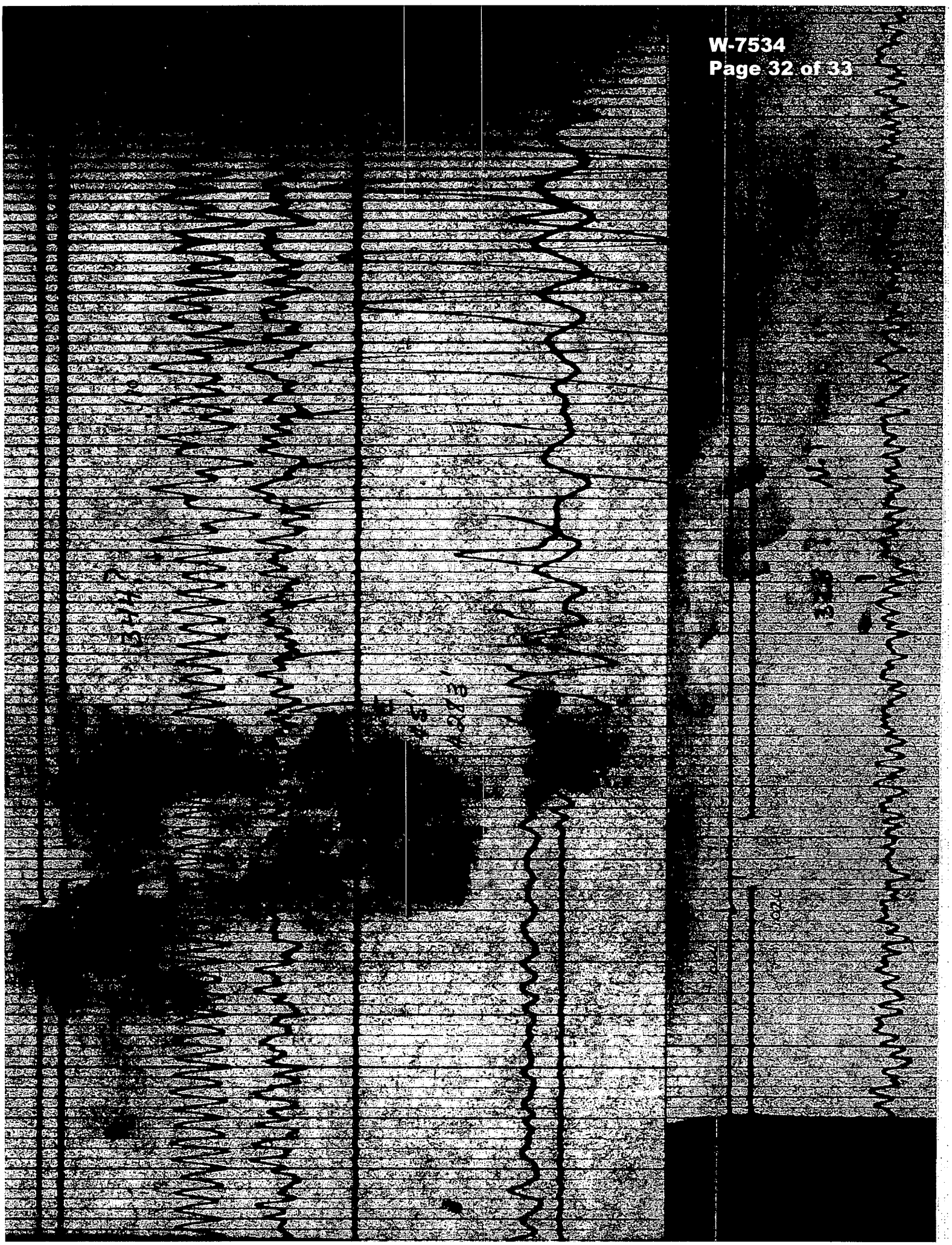

54 # @ 60'
W P @ 2900'
MOBIL #1 CAMP PHOSPHATE CO.
CITRUS CO, FLORIDA
0
1
2
3
4
5
6
3000
2040
RS 8
NOT USED
IN CALCULATIONS
S P @ B-2-A
23 # @ 50'
W P @ 2900'

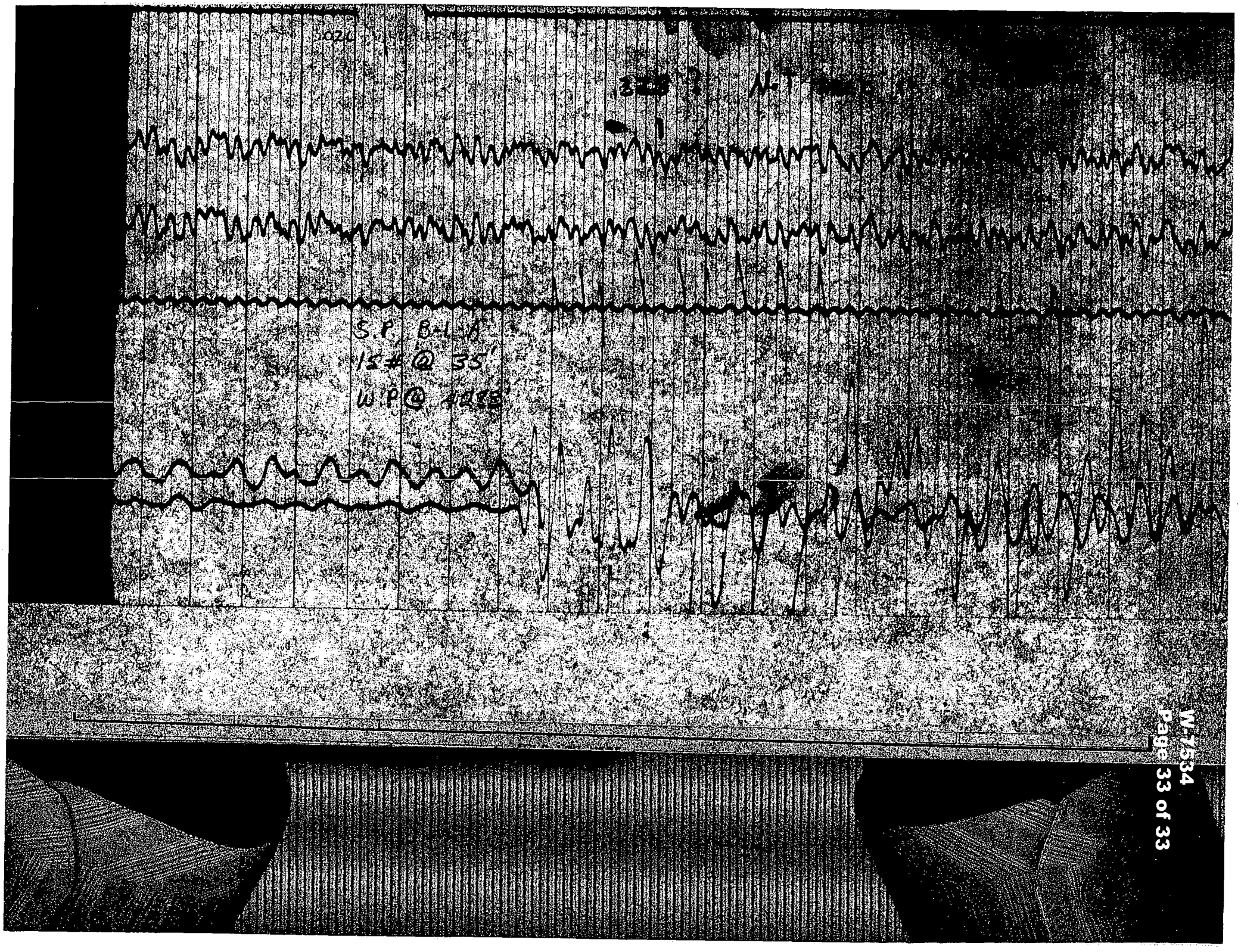

W.P. @ 2900'
0
1
2
3
4
5
6
.299 ?
S.P. A-3-D
10# @ 55
W.P. @ 3900'
0
1
2
3
4
5


0
1
2
3
4
5
.023
298 ?
Not used in calculations
SP B-1-B
25 # @ 30'
W.P. @ 3900'
0
1
2

BEST COPY AVAILABLE


0
1
2
3
4
5
.335 ?
S.P. A-3-C
10# @ 55'
W.P. @ 4283'
0
3
4
5
.344 ?




S.P. B-1-A
15# @ 35'
W.P @ 4088'

W7538 GEOPHYSICAL LOG

CONTINUOUS VELOCITY WELL LOG

PRESENTATION BY

MOBIL OIL COMPANY

GEOPHYSICAL SERVICES
DALLAS, TEXAS

353

X-3237 (1-60)

COMPANY	MOBIL OIL	FILE NO.	3896
WELL	#1 Harbond	LOCATION OF WELL	Sec 25-17S-16E
FIELD	Wildcat		2310' FWL
COUNTY	Citrus		1150' FNL
STATE	Florida		

ELEVATION G.L. 13.5 D.F. K.B. 23 DATUM SL

RUN NUMBER	One			
DATE	11-11-65			
LOGGED FROM	728			
TO	4750			
CASING DEPTH (DRLR)	8 5/8 @ 728			
TOTAL DEPTH (DRLR)	4794			
HOLE DIAMETER	7 7/8"			
MUD TYPE	Gel Cau			
MUD DENSITY	9.4 36			
MAX TEMP. DEGREES F	117 F			
TRAIL TO RCVR 1	3			
RCVR 1 TO RCVR 2	2			
ORIGINAL CVL BY	Schlumberger			

RECEIVED
OCT 20 1972
DIV. OF INTERIOR RESOURCES
BUREAU OF GEOLOGY
TALLAHASSEE, FLORIDA

TIMES ARE SUB-DATUM PLANE

AVERAGE VELOCITY = DEPTH SUB-DATUM / TIME SUB-DATUM

(G) = TIMES FROM GEOPHONE SURVEY

Original CVL data corrected on digital computer to give best fit to geophone survey. Corrected CVL data summed and plotted in 10 ft. intervals. Obvious field log errors eliminated during retrace.

CORRECTION FORMULA FOR CVL TIE TO GEOPHONE DATA:

t_c = A_t + B microsec/ft.
t_c = Corrected interval-time.
t_r = Raw field interval-time.
A = Damaged formation correction.
B = Interval-time shift.

DEPTH	TO	DEPTH	A	B
650		3000	1.05	0
3000		4750	1.02	0

REMARKS

Date JANUARY 1966 (1282)

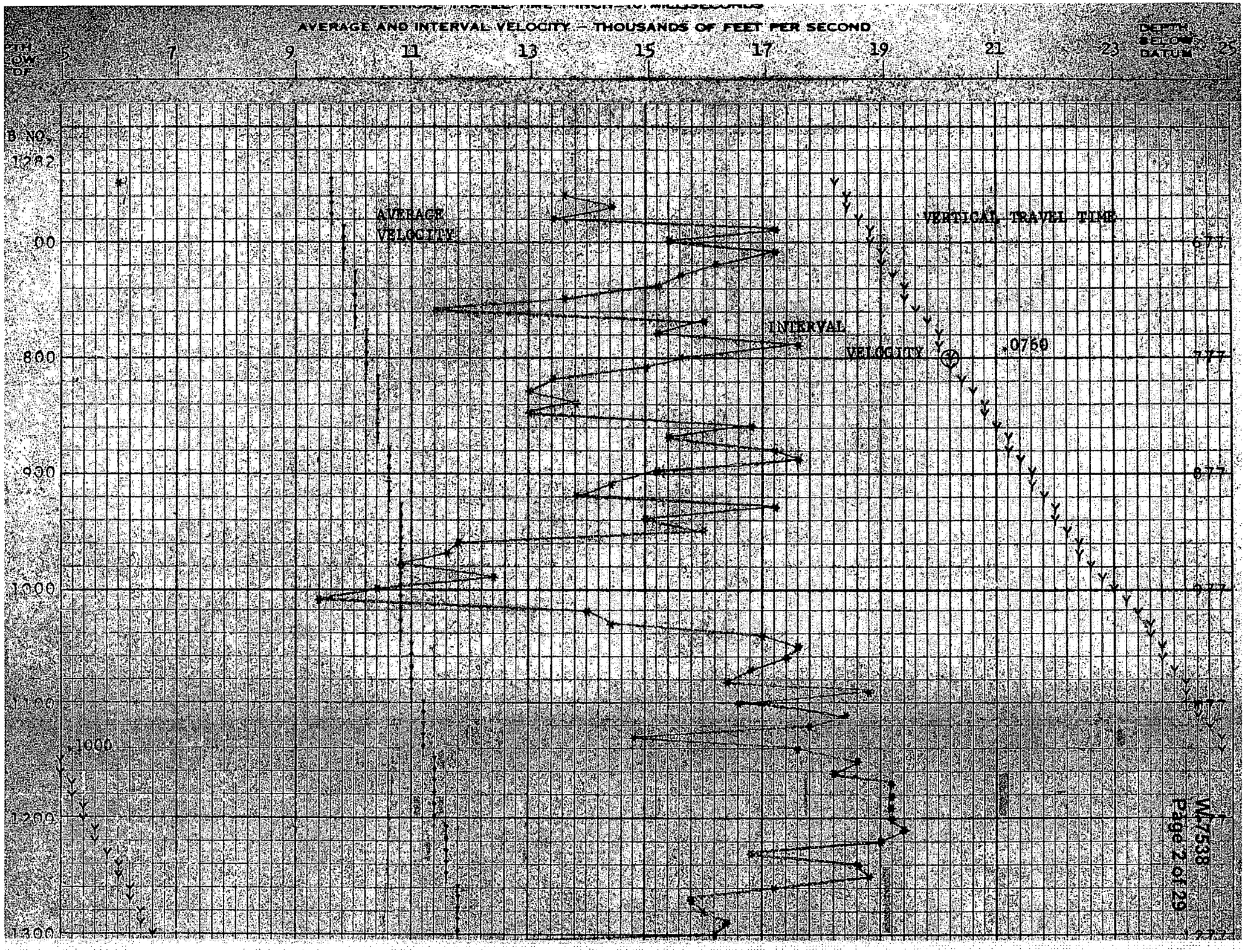
FOLD LOG HERE

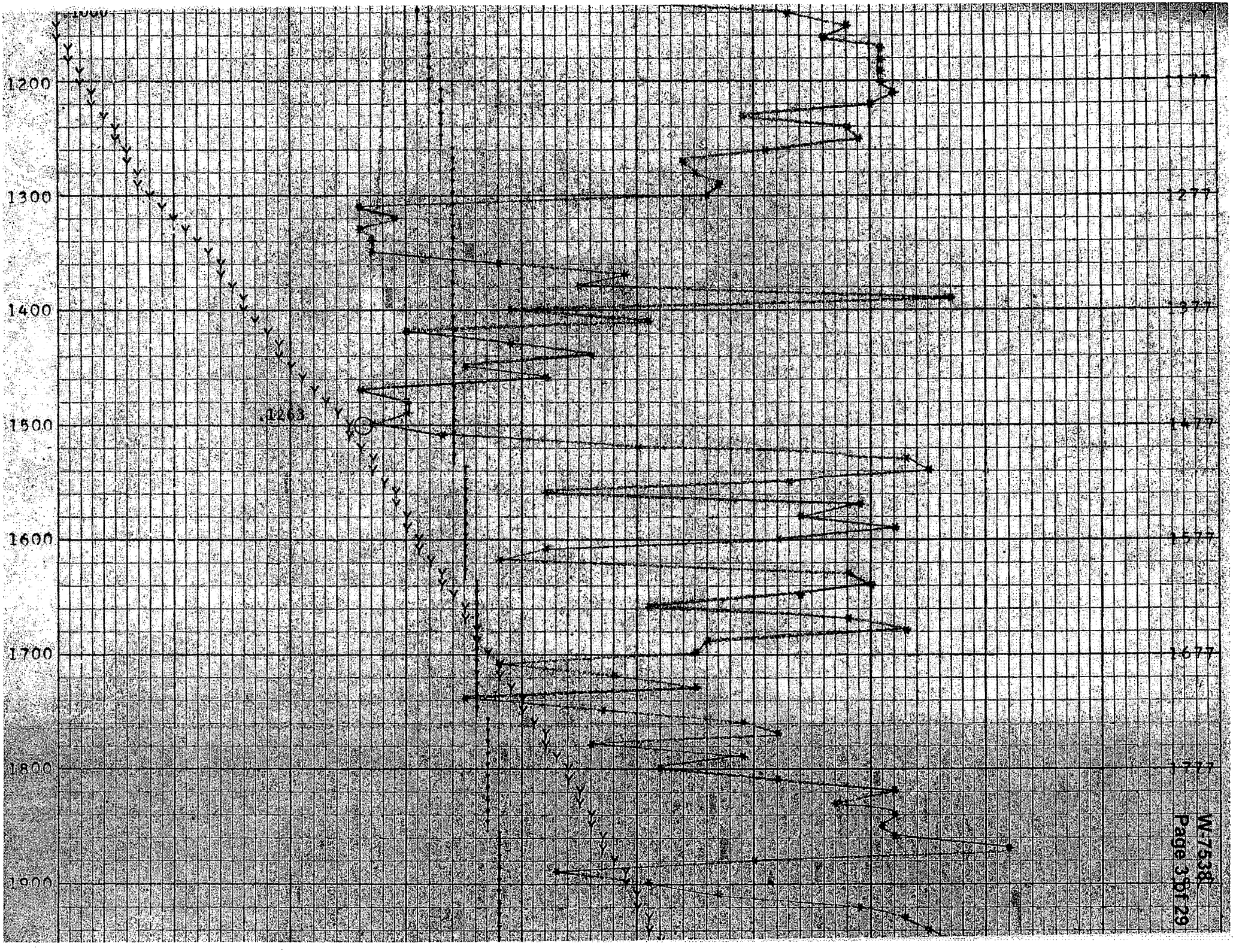
VERTICAL TRAVEL TIME 1 INCH = 10 MILLISECONDS
AVERAGE AND INTERVAL VELOCITY THOUSANDS OF FEET PER SECOND

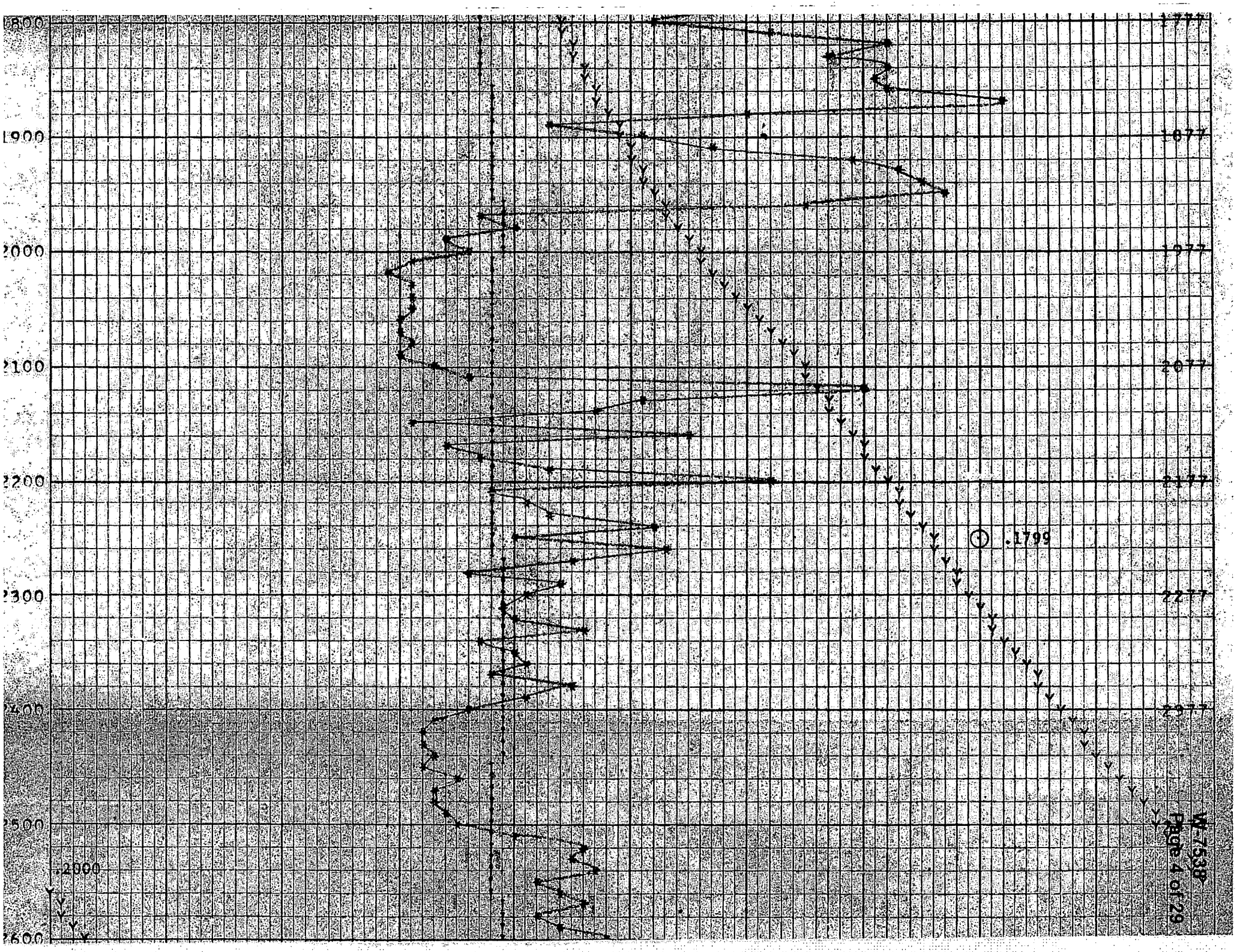
DEPTH BELOW DATUM

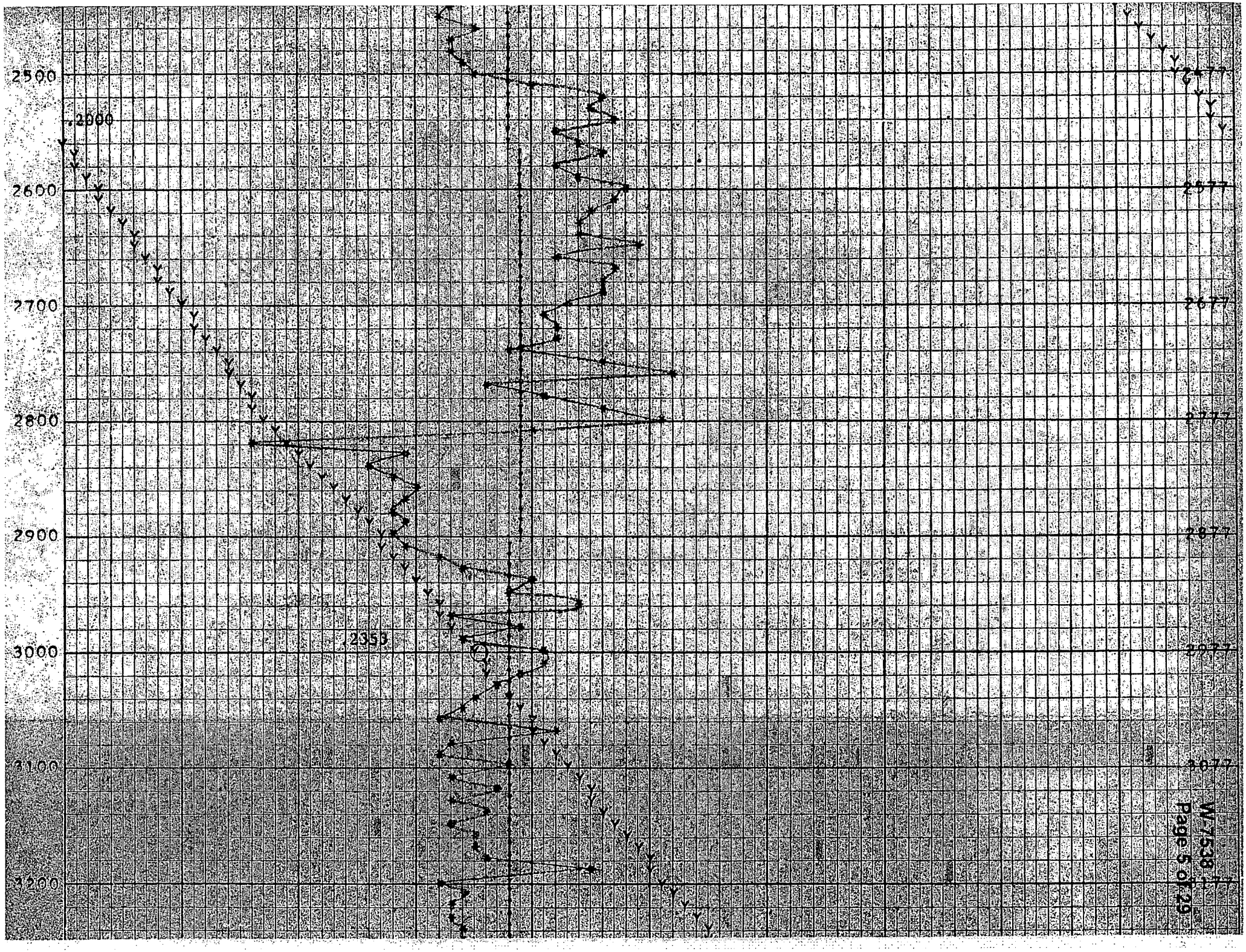
5 7 9 11 13 15 17 19 21 23 25

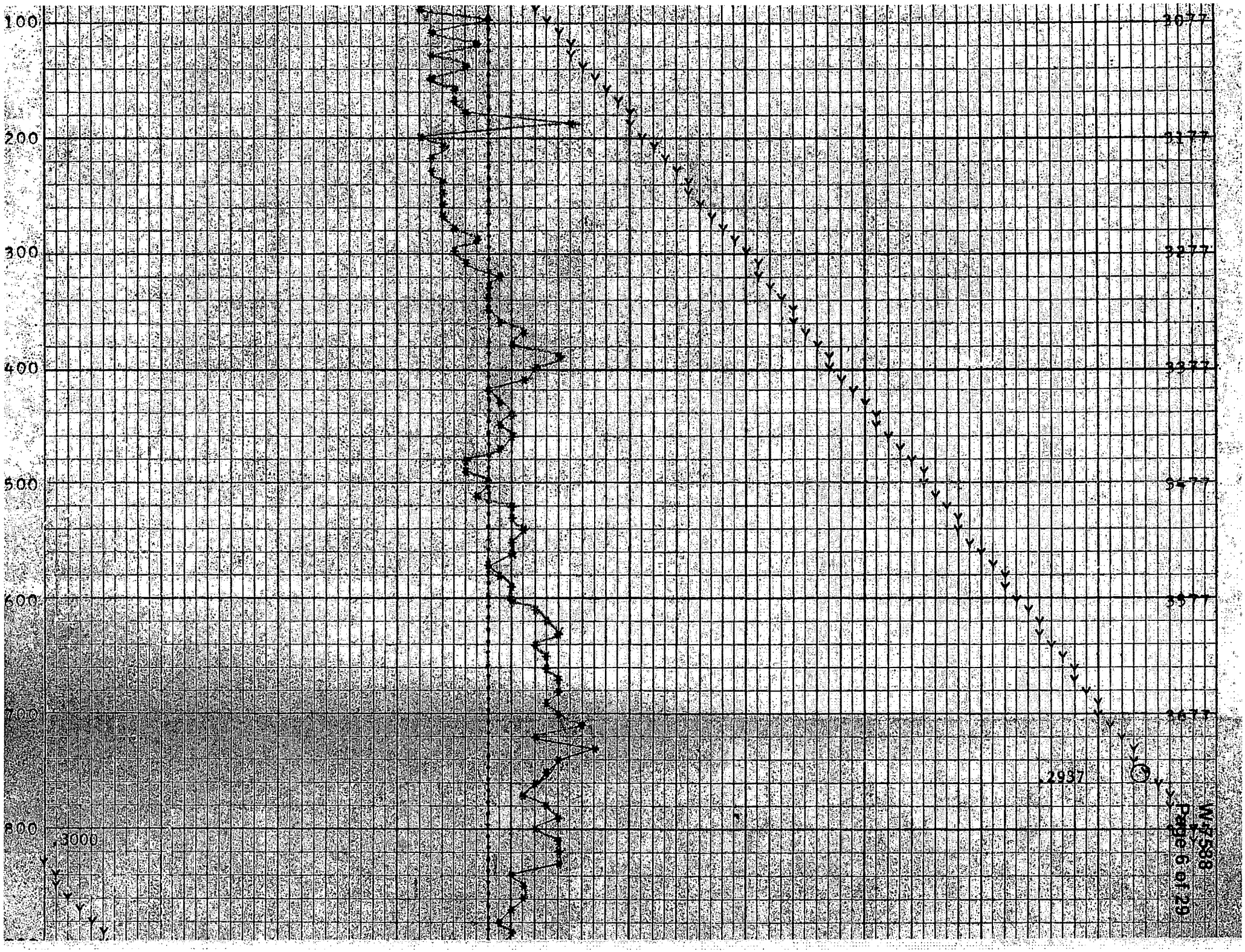
B NO. 1282

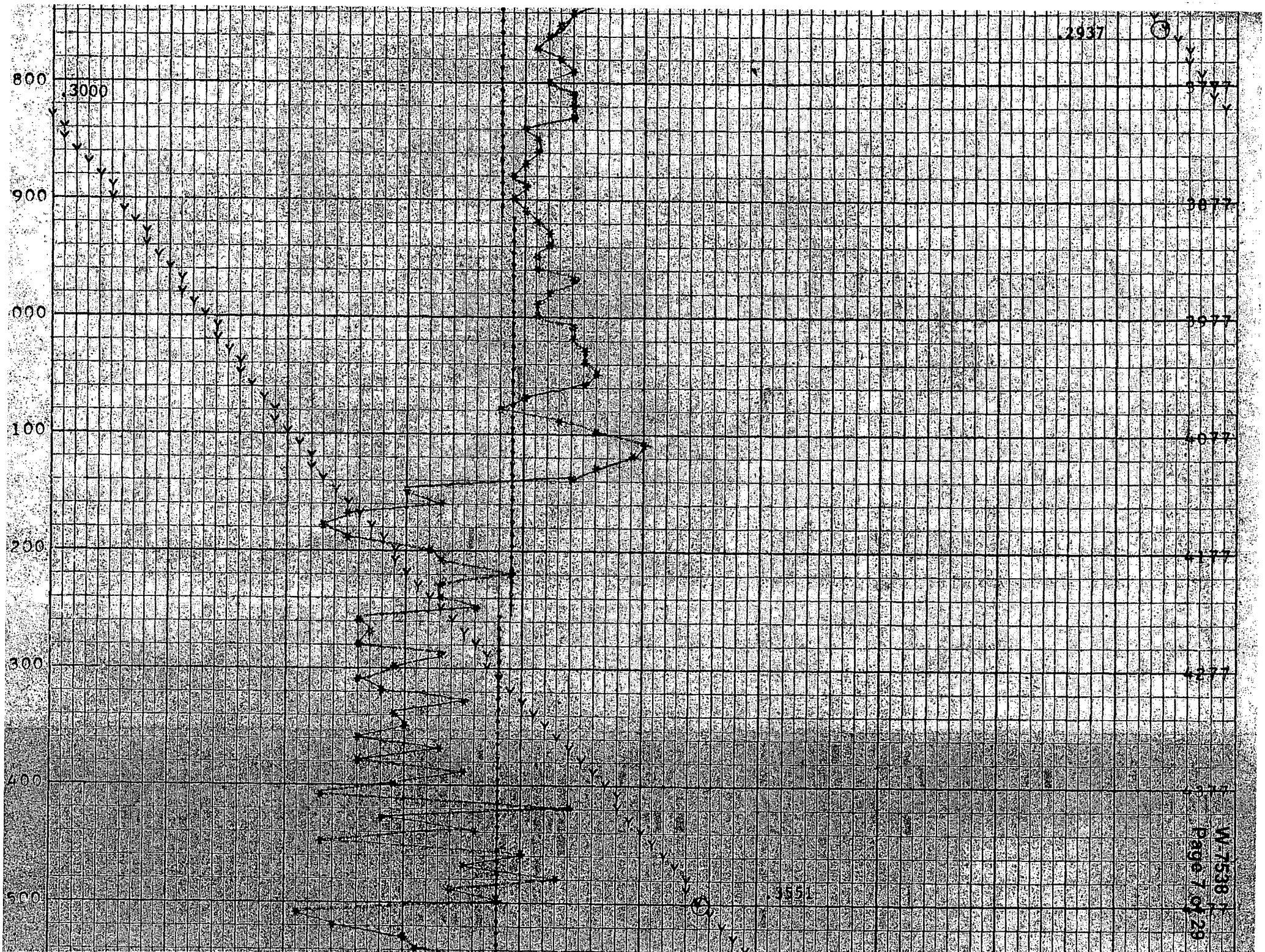

AVERAGE AND INTERVAL VELOCITY – THOUSANDS OF FEET PER SECOND
DEPTH BELOW DATUM
5
7
9
11
13
15
17
19
21
23
25
B NO.
1282
AVERAGE VELOCITY
VERTICAL TRAVEL TIME
INTERVAL VELOCITY
.0760
800
900
1000
1100
1200
1300


1000
1200
1300
1400
1500
1600
1700
1800
1900
1177
1277
1377
1477
1577
1677
1263

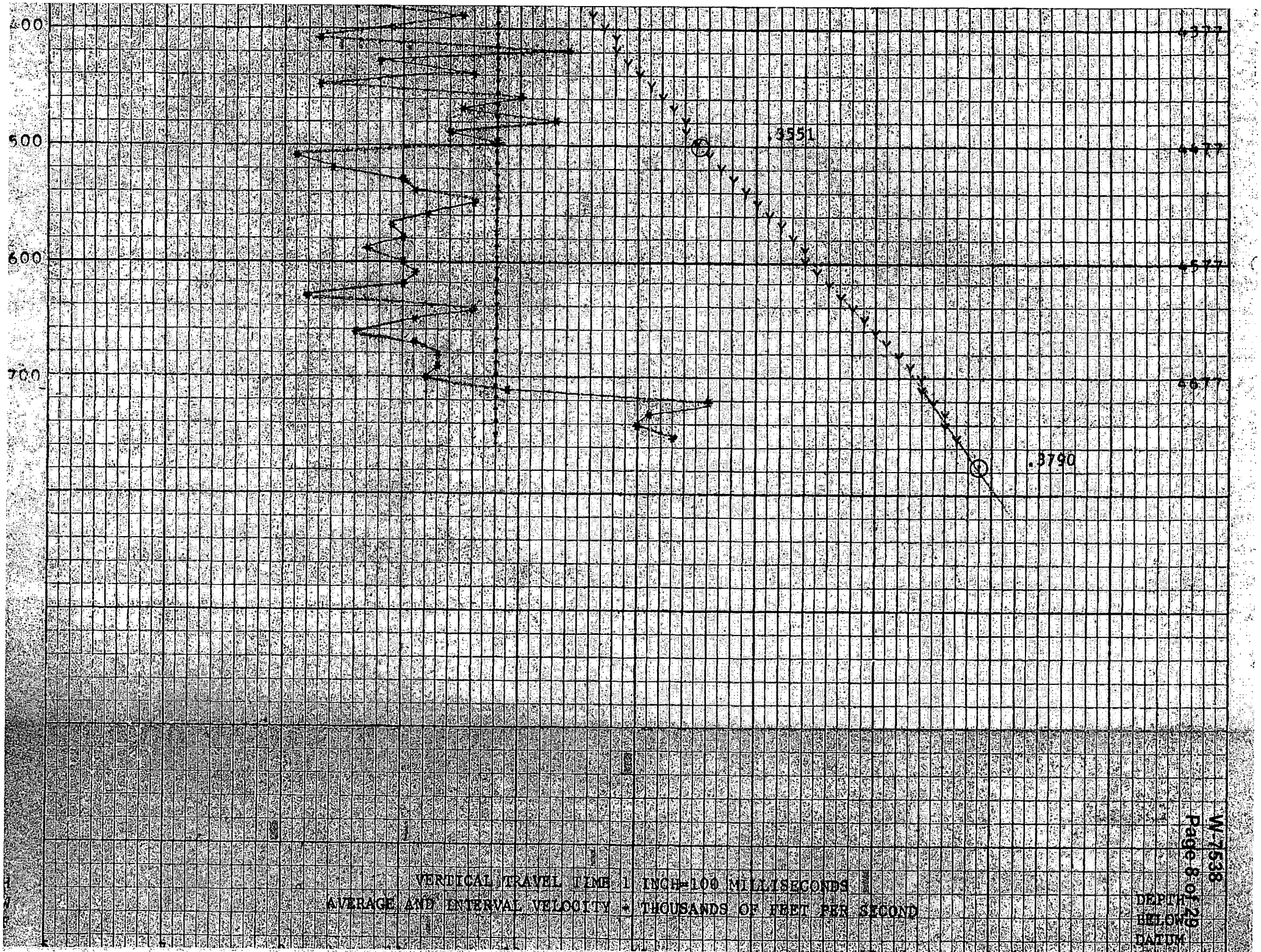

1800
1900
2000
2100
2200
2300
2400
2500
2600
-2000
1777
1877
1977
2077
2177
2277
2377
.1799

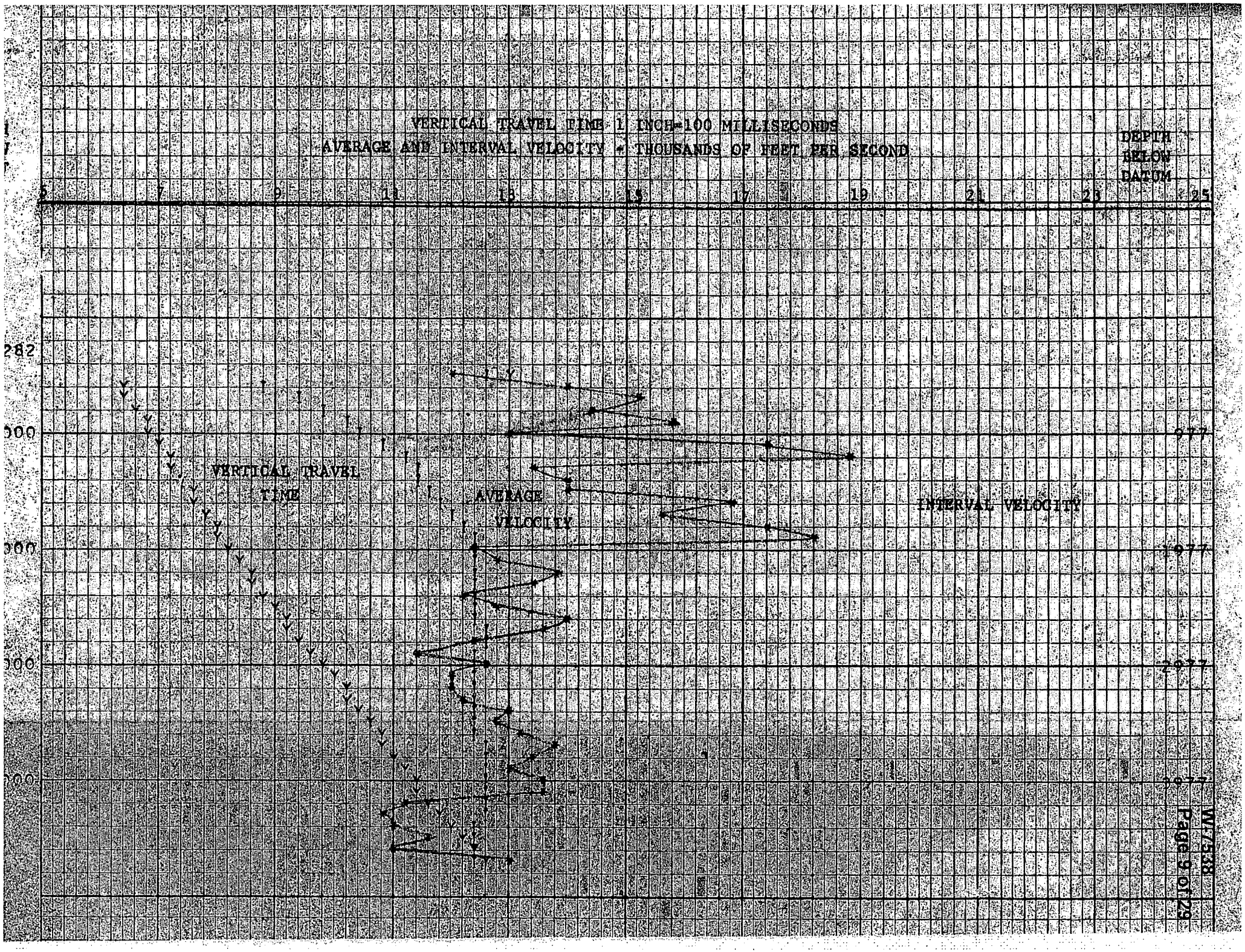

2500
2600
2700
2800
2900
3000
3100
3200
2000
2353
2577
2677
2777
2877
2977
3077


100
200
300
400
500
600
700
800
3077
3177
3277
3377
3477
3577
3677
.2937
.3000

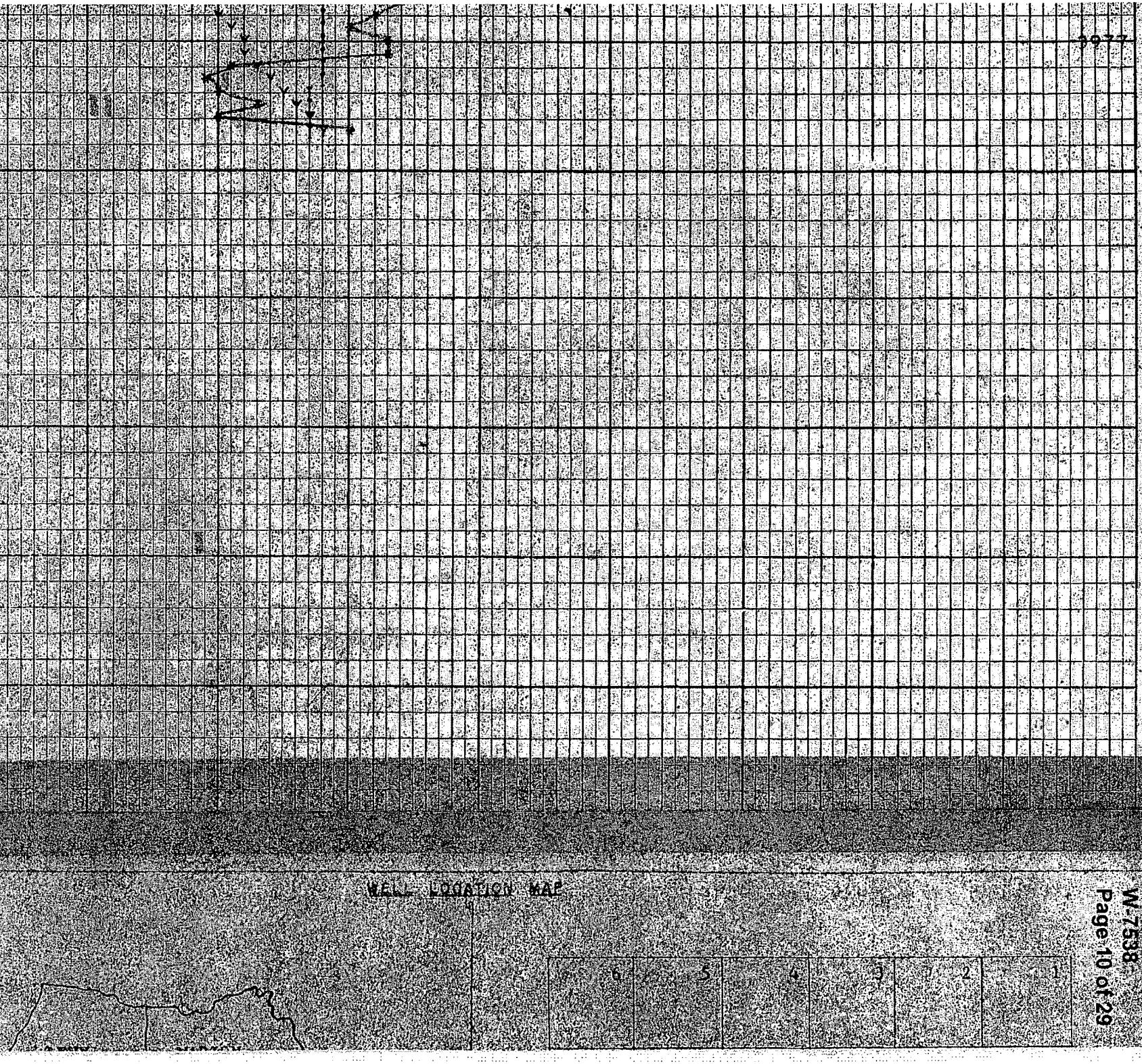


.2937
800
.3000
3777
900
3877
000
3977
100
4077
200
4177
300
4277
400
4377
500
.3551

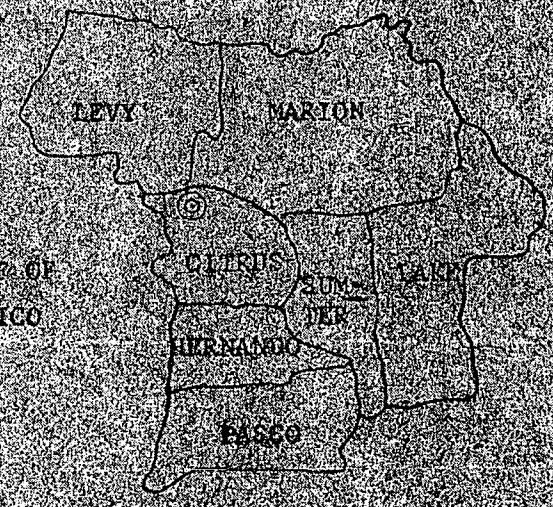

400
500
600
700
4377
4477
4577
4677
.3551
.3790
VERTICAL TRAVEL TIME 1 INCH=100 MILLISECONDS
AVERAGE AND INTERVAL VELOCITY * THOUSANDS OF FEET PER SECOND
DEPTH BELOW DATUM

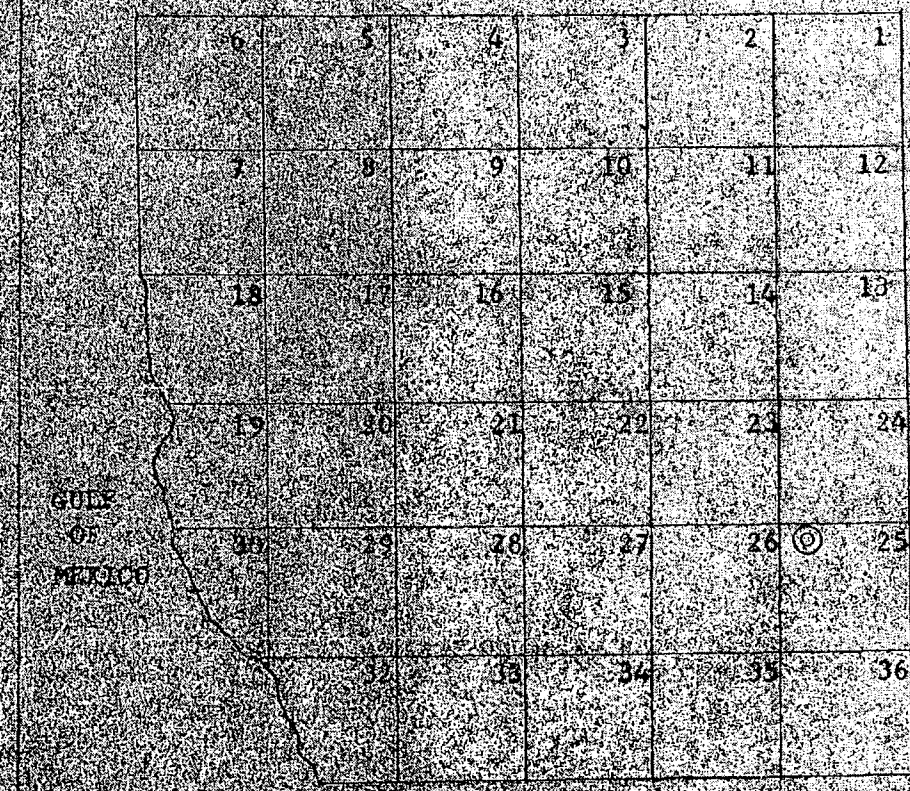

VERTICAL TRAVEL TIME 1 INCH=100 MILLISECONDS
AVERAGE AND INTERVAL VELOCITY = THOUSANDS OF FEET PER SECOND
DEPTH BELOW DATUM
5
7
9
11
13
15
17
19
21
23
25
VERTICAL TRAVEL TIME
AVERAGE VELOCITY
INTERVAL VELOCITY

WELL LOCATION MAP



WELL LOCATION MAP

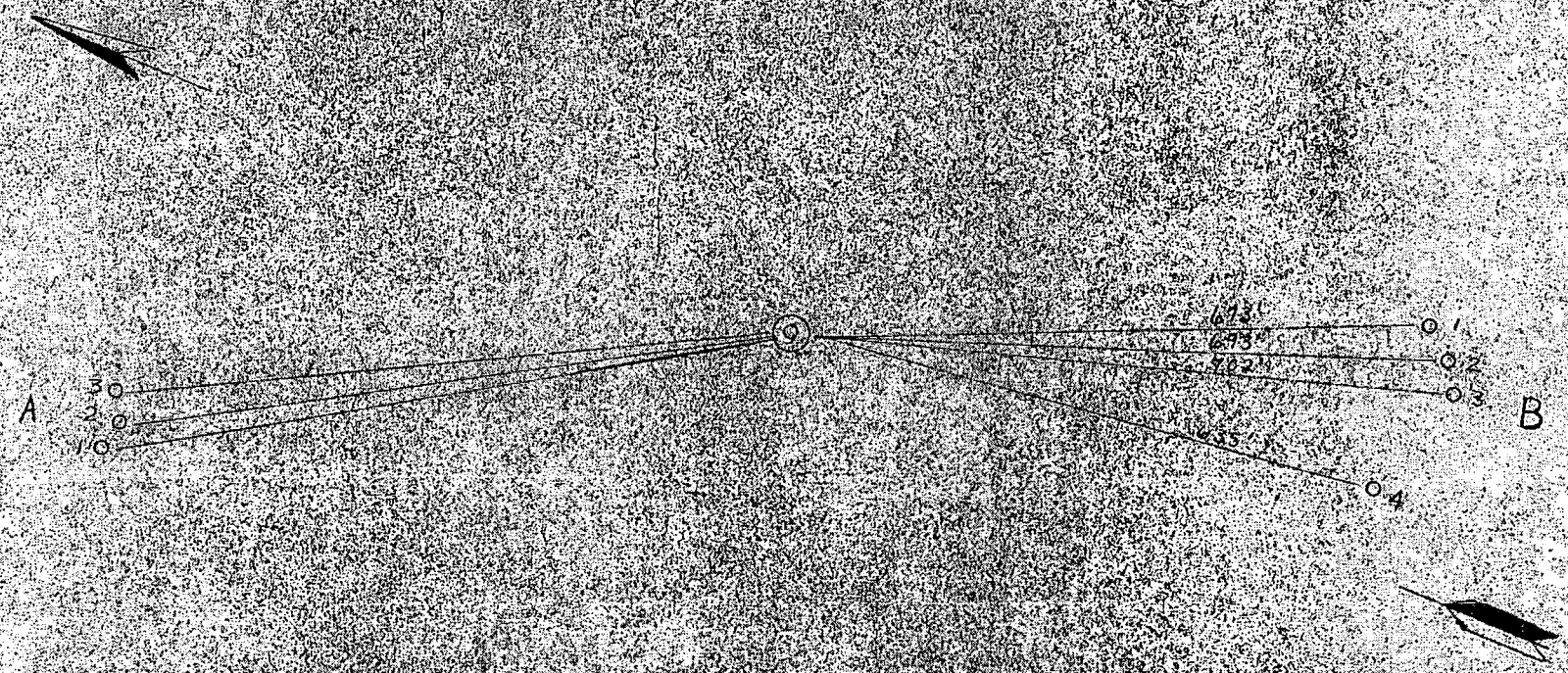




MOBIL #1 JARBOND
CITRUS COUNTY, FLORIDA

Scale 1"=8000'

SHOOTING PLAN MAP



MOBIL #1 HARBOND
CITRUS COUNTY, FLORIDA

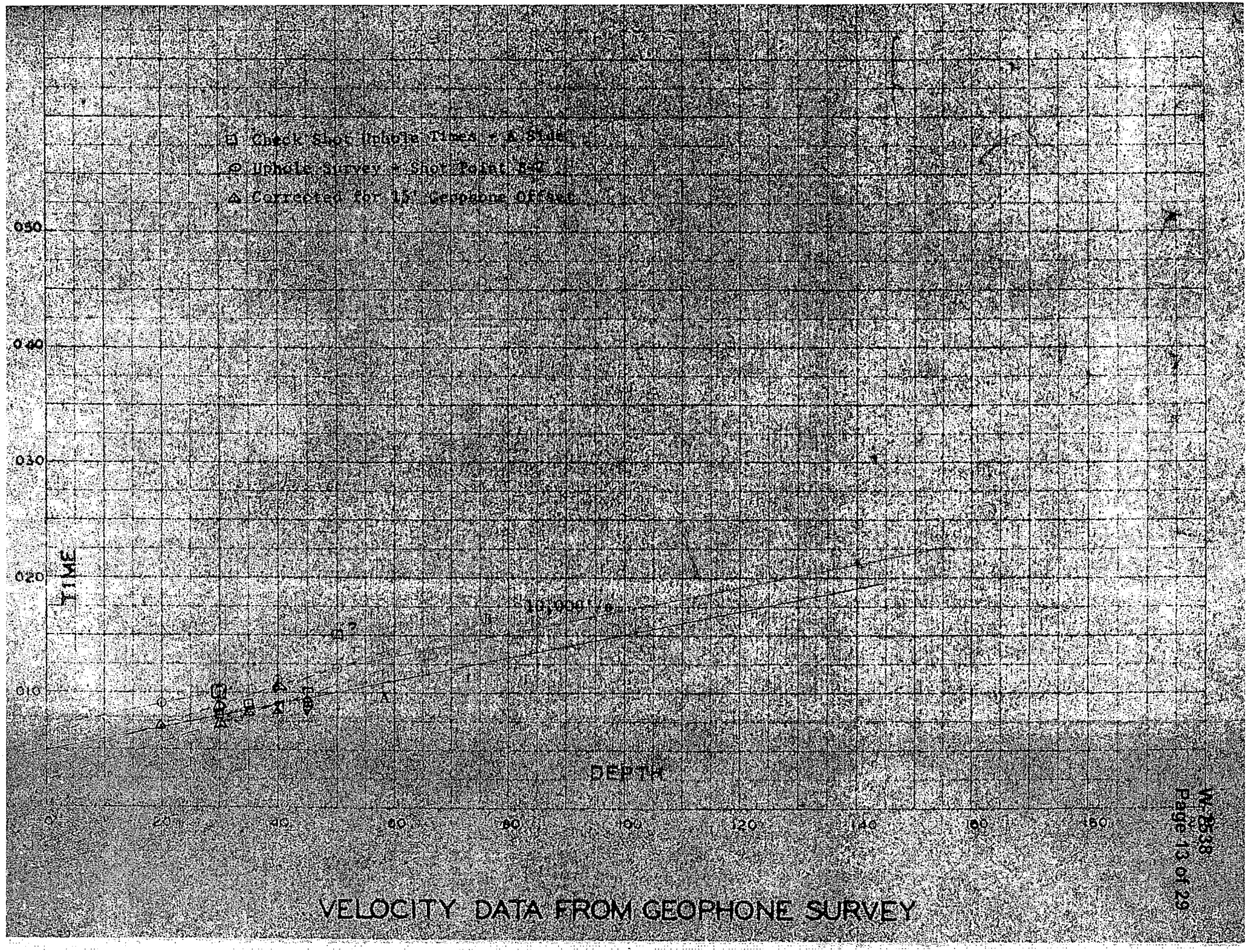
Scale 1"=200'

REMARKS

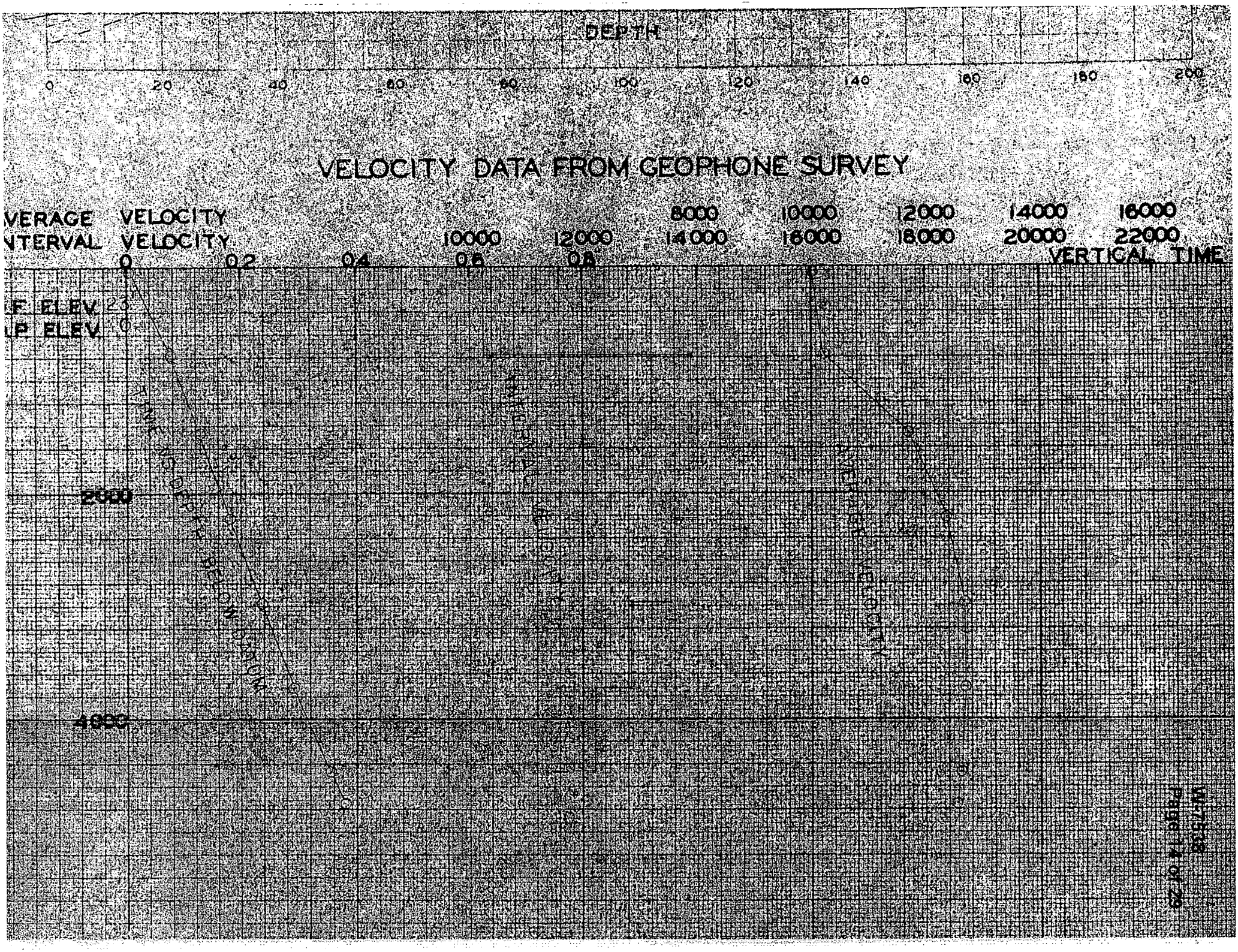
UPHOLE SURVEY

□ Check Shot Uphole Times - A Side

○ Uphole Survey - Shot Point K-2



VELOCITY DATA FROM GEOPHONE SURVEY


DEPTH
0
20
40
60
80
100
120
140
160
180
200
VELOCITY DATA FROM GEOPHONE SURVEY
VERAGE VELOCITY
NTERVAL VELOCITY
8000
10000
12000
14000
16000
10000
12000
14000
16000
18000
20000
22000
0
0.2
0.4
0.6
0.8
VERTICAL TIME
F ELEV 23
P ELEV 0
2000
4000

DEPTH BELOW DATUM PLANE
6000
8000
10000
12000

DEPTH

12000

VERTICAL VELOCITY SURVEY

VELOCITY SURVEY NO. 1896 IBM CALCULATION SHEET

WELL NAME Mobil #1 Harbond

DERRICK FLOOR ELEV 23

LOCATION Sec. 35-17S-16E, Citrus Co., Florida

DATUM PLANE ELEV SL

SUBWEATHERING VELOCITIES A 6000 B 6000

SURFACE ELEV 13

FORMATION	DEPTH BELOW DERRICK FLOOR	A VERTICAL TIME BELOW DATUM PLANE	B VERTICAL TIME BELOW DATUM PLANE	AVERAGE VERTICAL TIME BELOW SURFACE	AVERAGE VELOCITY BELOW SURFACE	INTERVAL DEPTH	INTERVAL TIME	INTERVAL VELOCITY	DEPTH BELOW DATUM PLANE	AVERAGE VERTICAL TIME BELOW DATUM PLANE	AVERAGE VELOCITY BELOW DATUM PLANE	DEPTH SUB-SE
	23			.0084	1554				0			
	71			.0132	4633	48	.0048	10000	48	.0048	10000	-4
	800	.0751	.0768	.0843	9368	729	.0712	10245	777	.0760	10229	-77
	1500	.1248	.1278	.1347	11082	700	.0504	13898	1477	.1263	11693	-147
	2250	.1792	.1806	.1883	11899	750	.0536	14002	2227	.1799	12380	-222
	3000	.2334	.2373	.2437	12269	750	.0555	13524	2977	.2353	12650	-297
	3750	.2900	.2974	.3021	12381	750	.0584	12849	3727	.2937	12689	-372

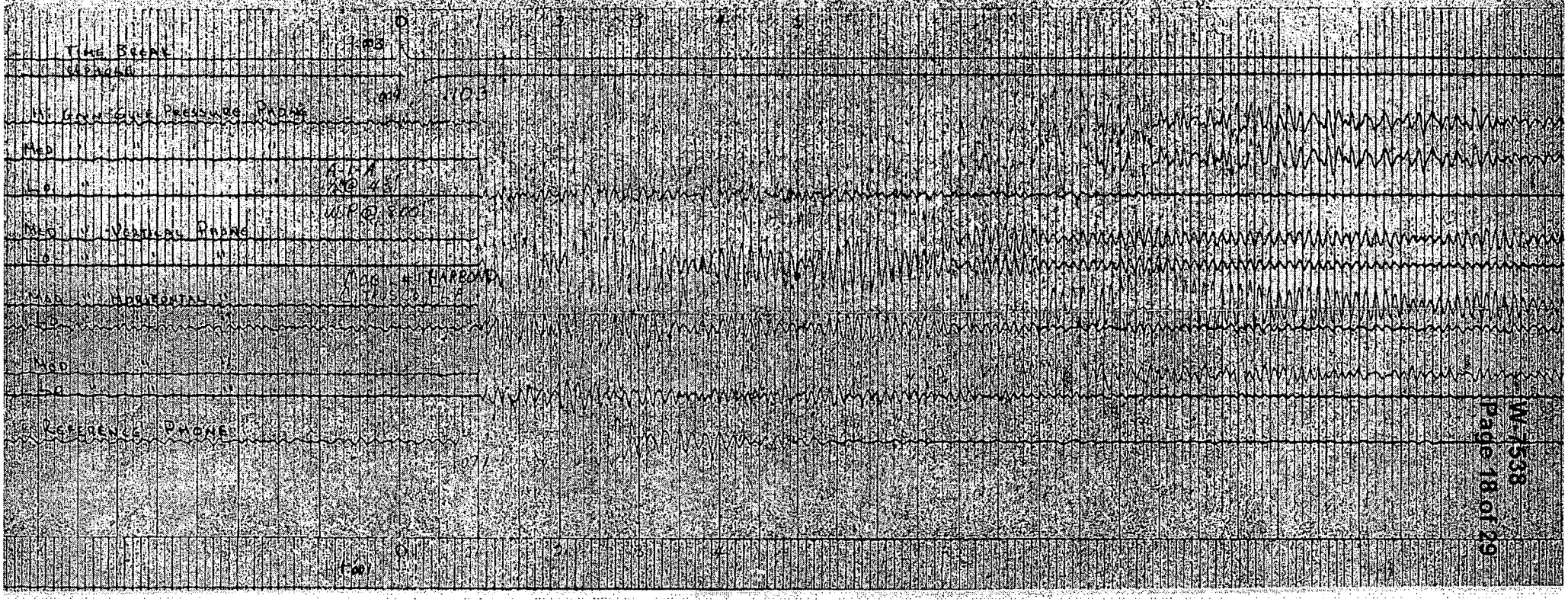
W-7538
Page 16 of 29

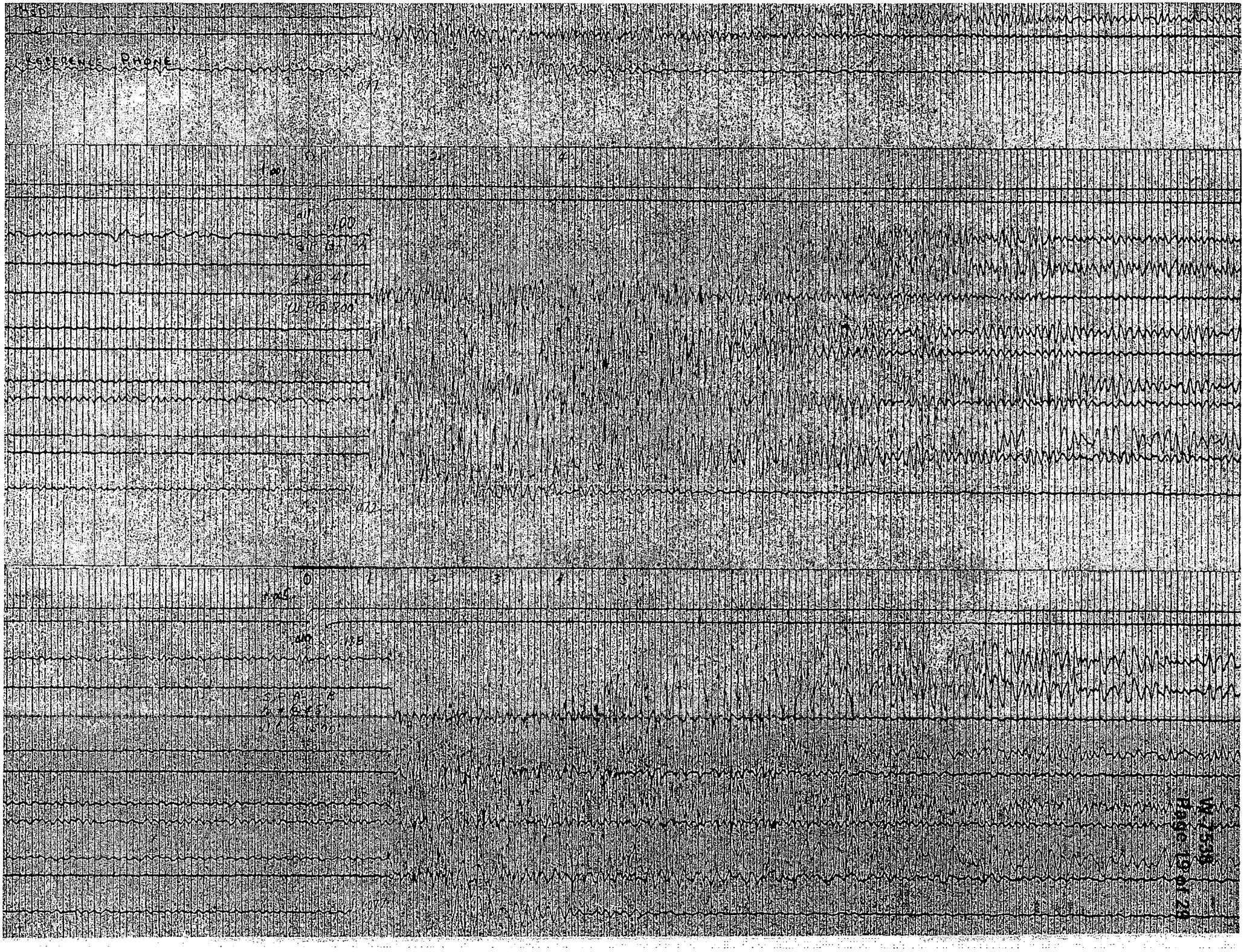
2250	.1792	.1806	.1883	11899	750	.0536	14002	2227	.1799	12380	-222
3000	.2334	.2372	.2437	12269	750	.0555	13524	2977	.2353	12650	-297
3750	.2900	.2974	.3021	12381	750	.0584	12849	3727	.2937	12689	-372
4500	.3520	.3582	.3635	12353	750	.0614	12215	4477	.3551	12607	-447
4775	.3742	.3831									
4775	.3756		.3874	12301	275	.0239	11510	4752	.3790	12538	-475

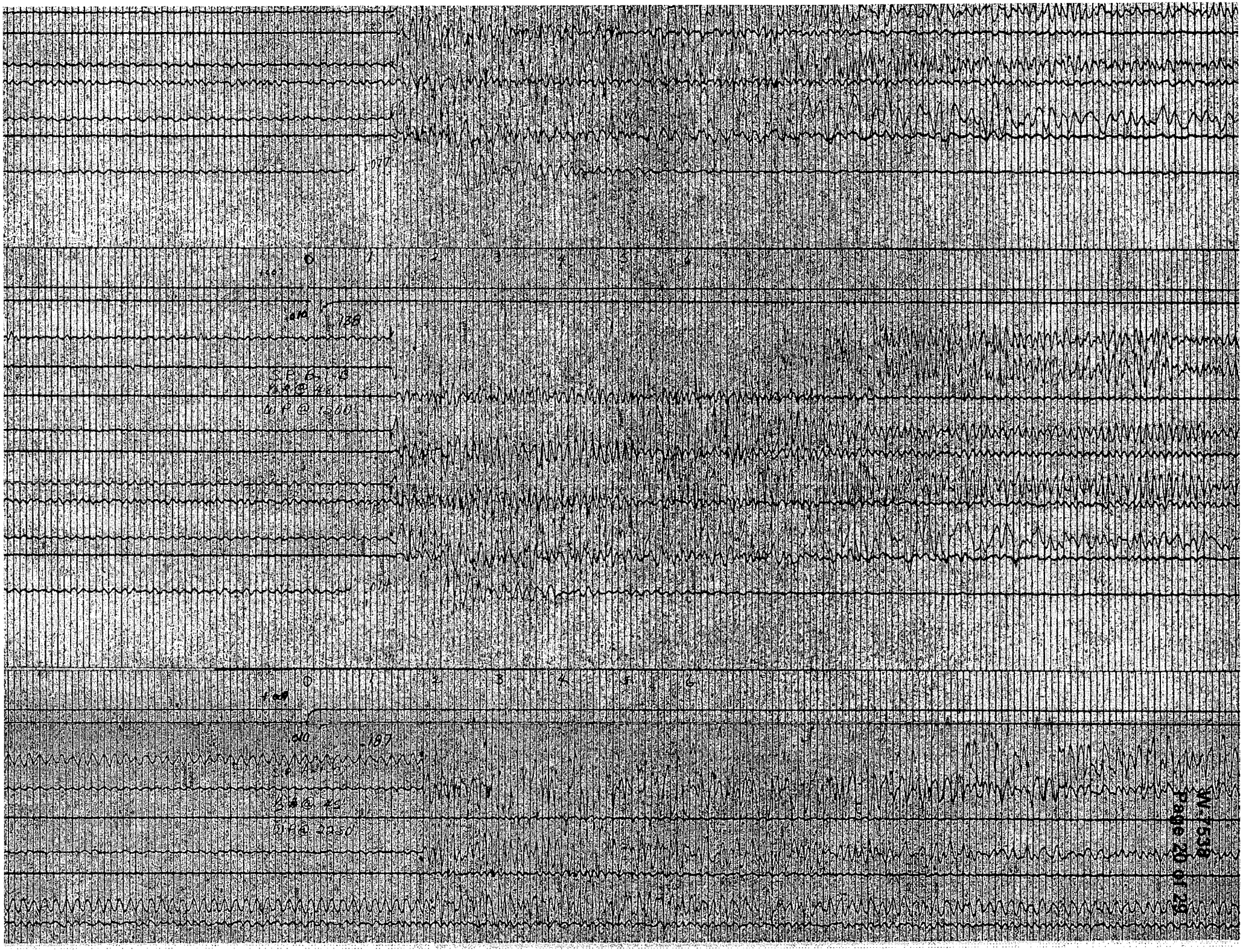
SOURCE DATA FOR VERTICAL VELOCITY SURVEY

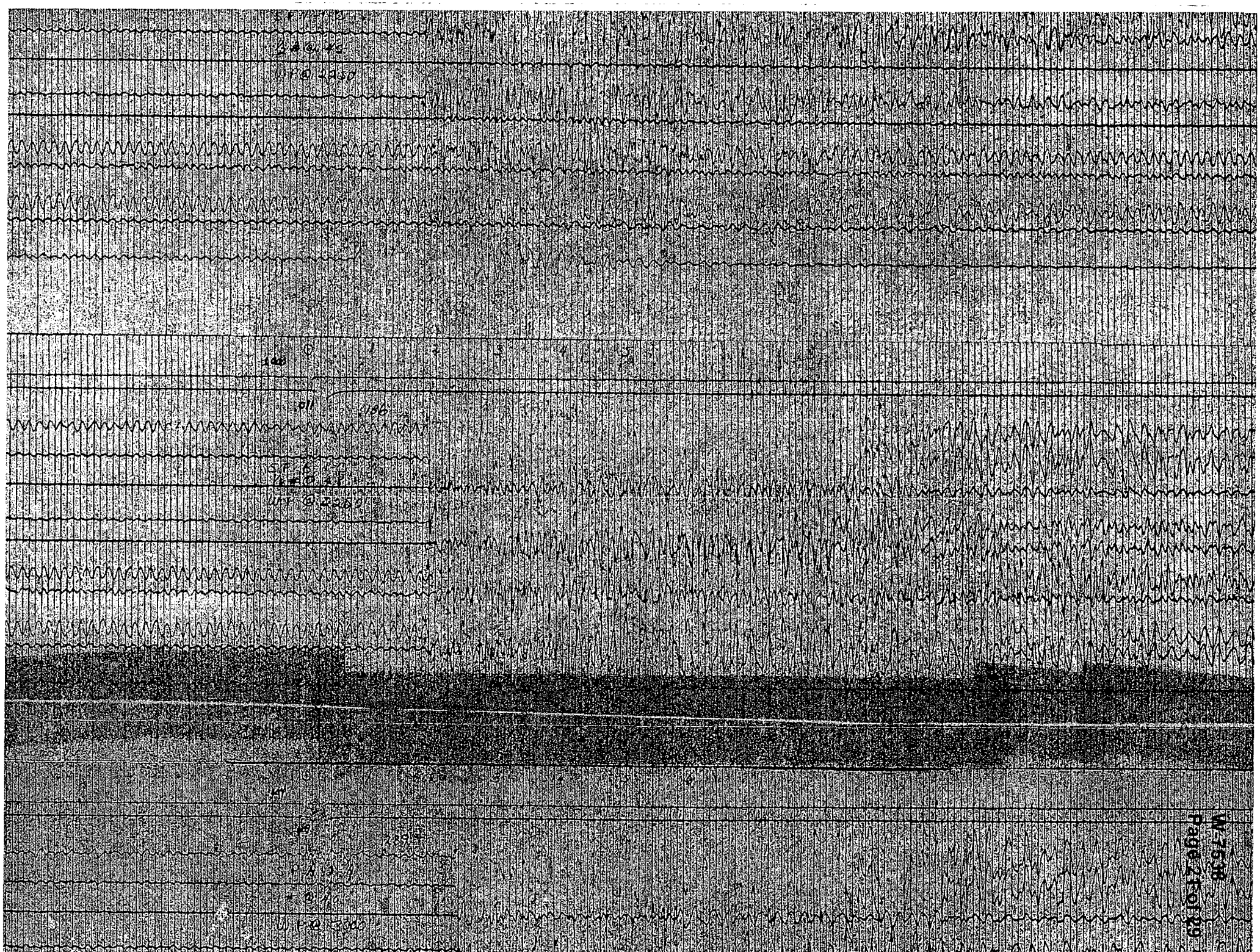
SURVEY NO.	[illegible]	[illegible]	[illegible]	A SHOT POINT NO.	[illegible]	A SHOT POINT ELEVATION	[illegible]	[illegible]	A RECORD TIME	[illegible]	[illegible]	B SHOT POINT ELEVATION	B UPHOLE TIME	B DEPTH OF SHOT	B RECORD TIME
3896	800			A1	740	14	.009	45	.103	B1	673	12	.011	48	.100
3896	1500			A1	740	14	.010	45	.138	B1	673	12	.010	48	.138
3896	2750			A1	740	14	.010	45	[illegible]	B1	673	12	.011	48	.18[illegible]
3896	3000			A1	[illegible]	14	.009	40	.239	B1	673	12	.010	45	.24[illegible]
[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	.009	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	.300

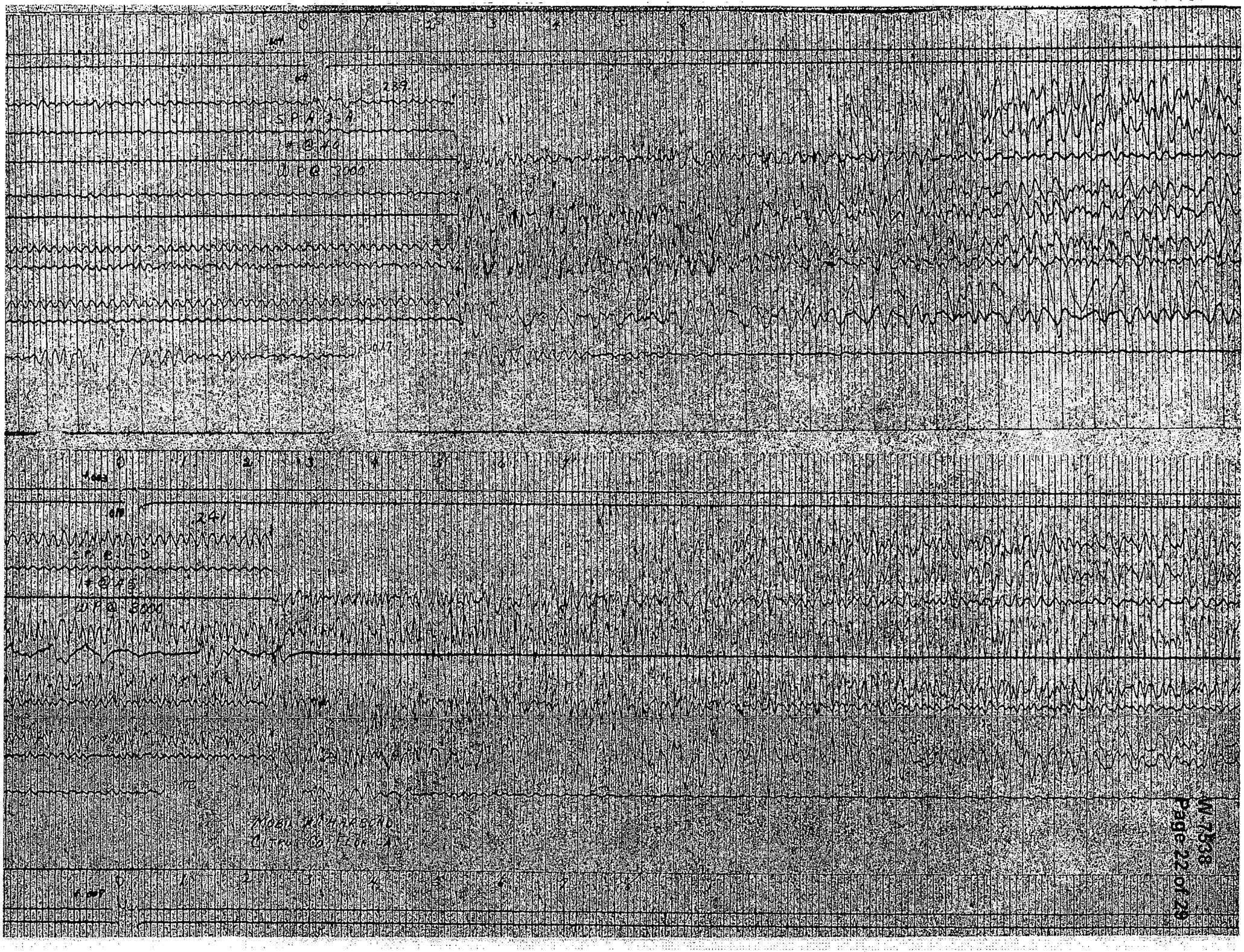
3896	1500	A1	740	14	.010	45	138	B1	673	12	.010	48	.138
3896	2250	A1	740	14	.010	45	186	B1	673	12	.011	48	.186
3896	3000	A2	713	14	.009	40	.239	B1	673	12	.010	45	.241
3896	3750	A2	713	14	.009	35	.295	B1	670	12	.011	45	.300
3896	4500	A2	713	14	.008	30	.357	B2	673	12	.010	45	.360
3896	4775	A2	713	4	.010	30	.379	B1	673	12	.011	43	.385
3896	4775	A3	713	14	.015	50	.37						

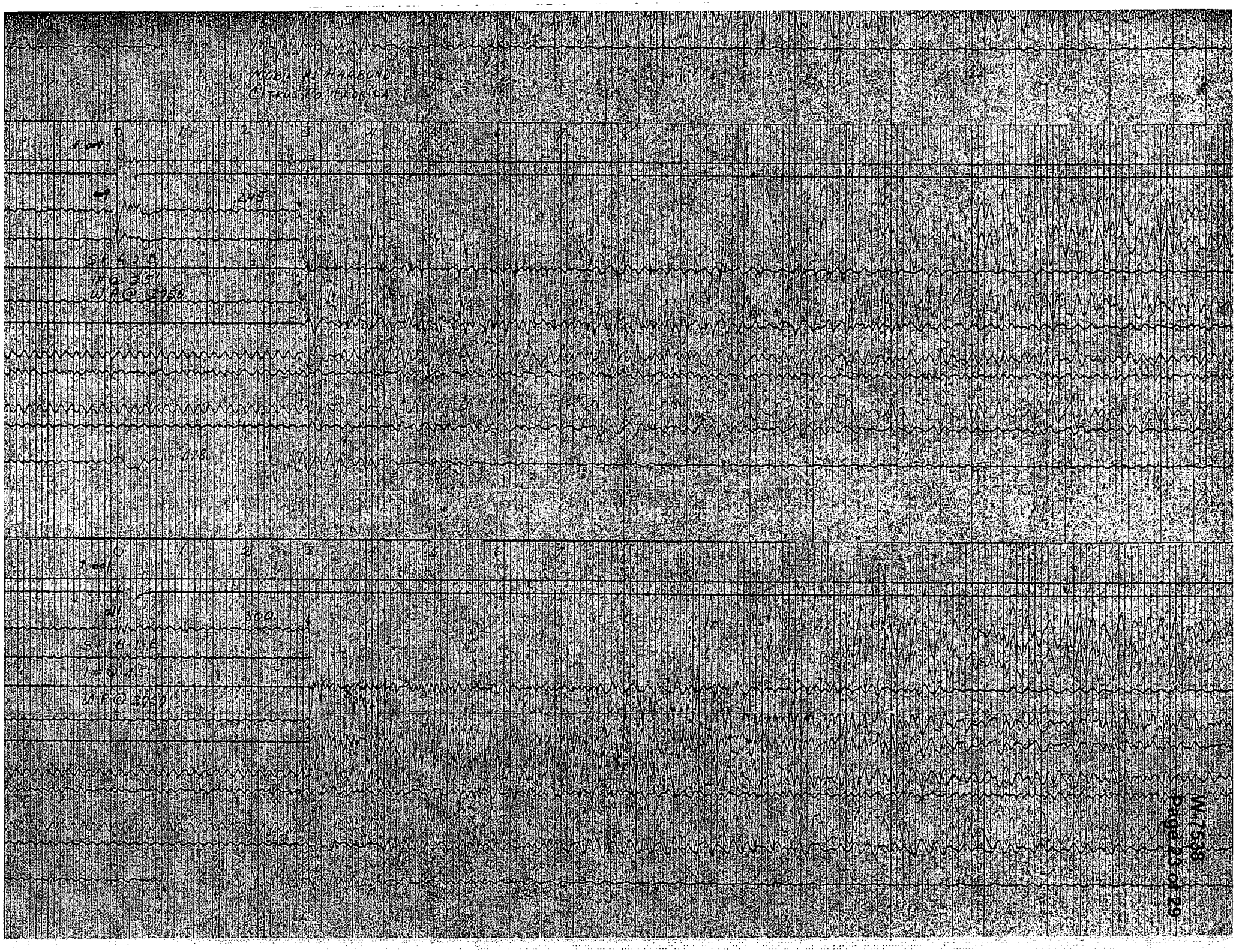


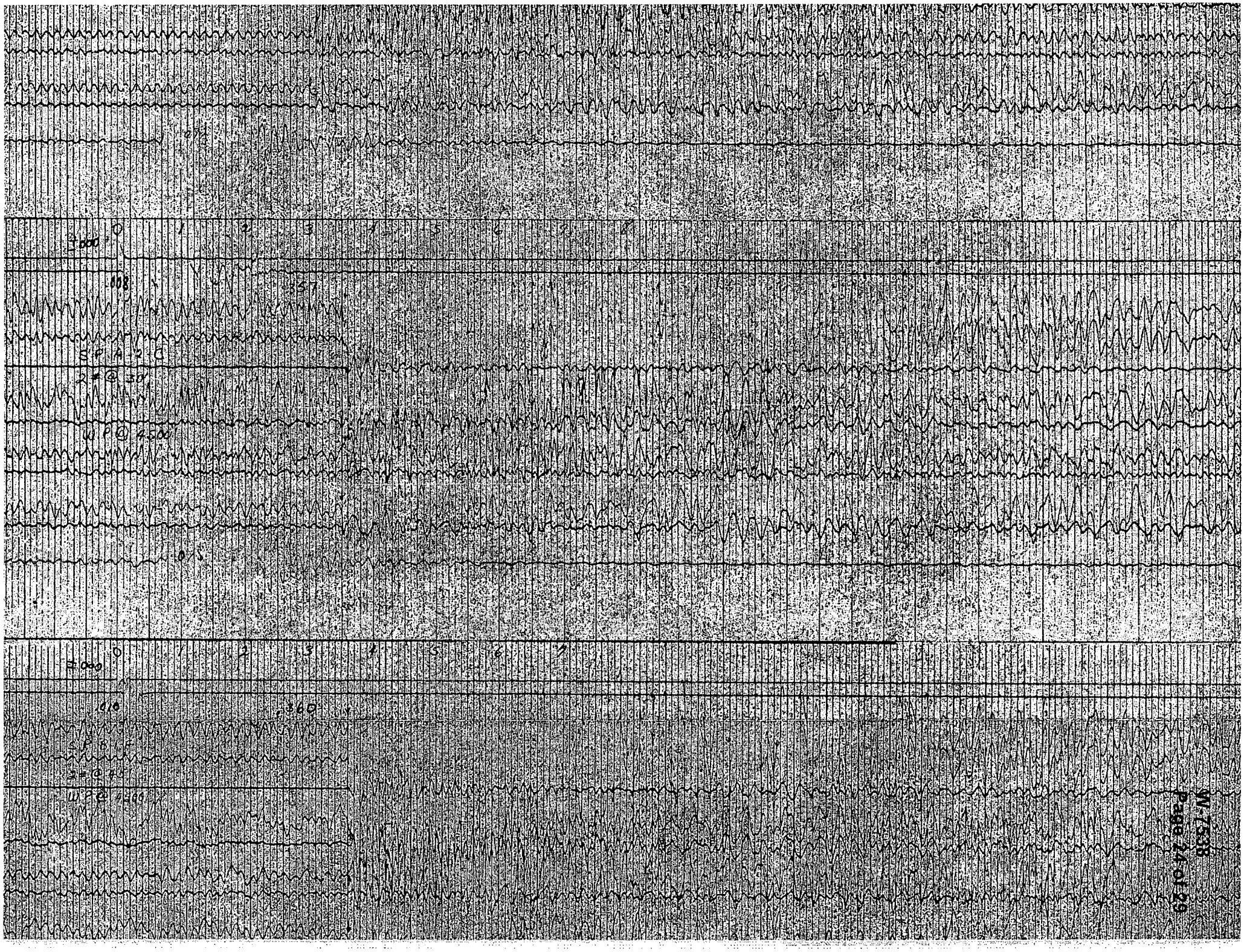

REFERENCE PHONE
0
1
2
3
4
5


0
1
2
3
4
5
6
.010
.138
0
1
2
3
4
5
6
.010
.187

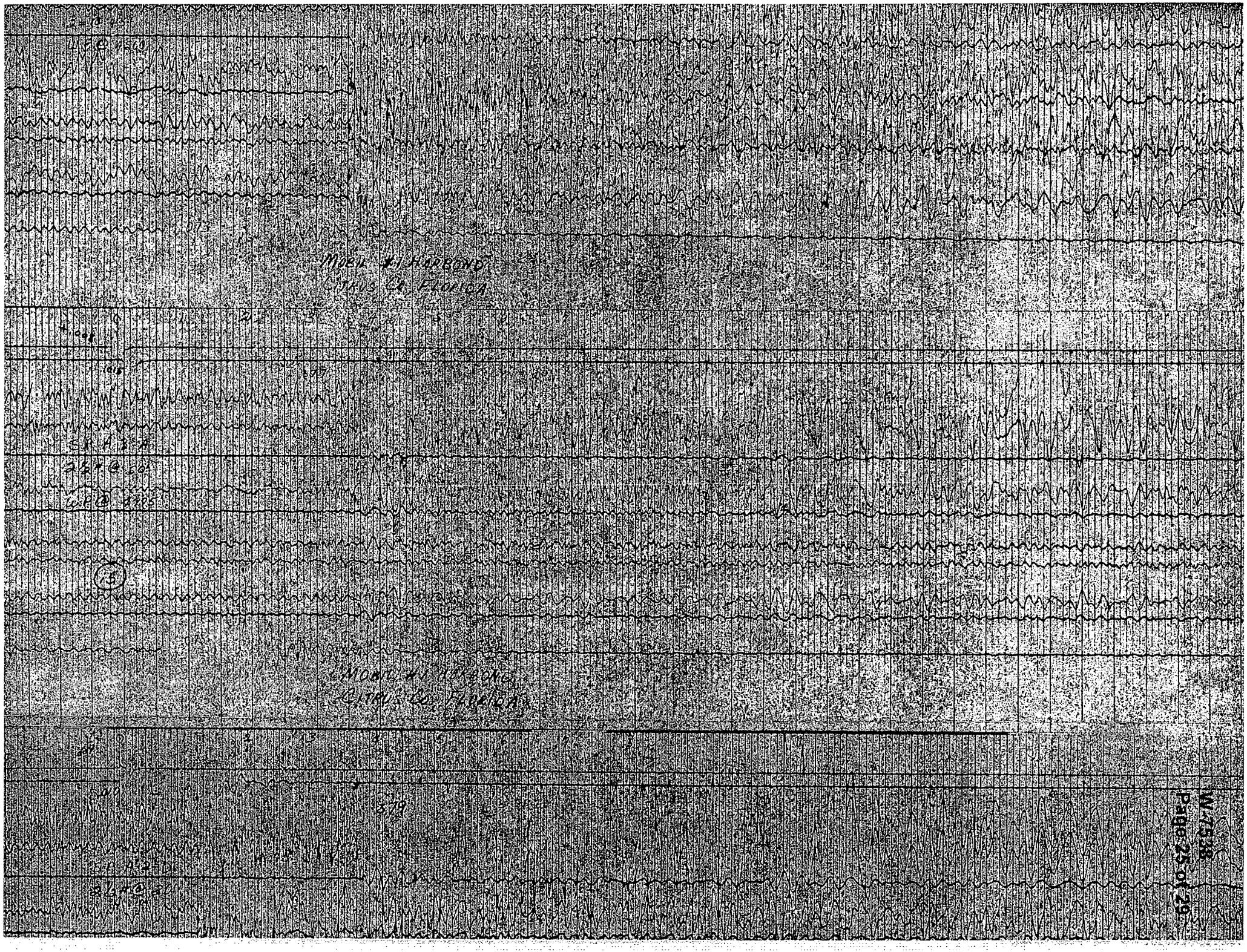


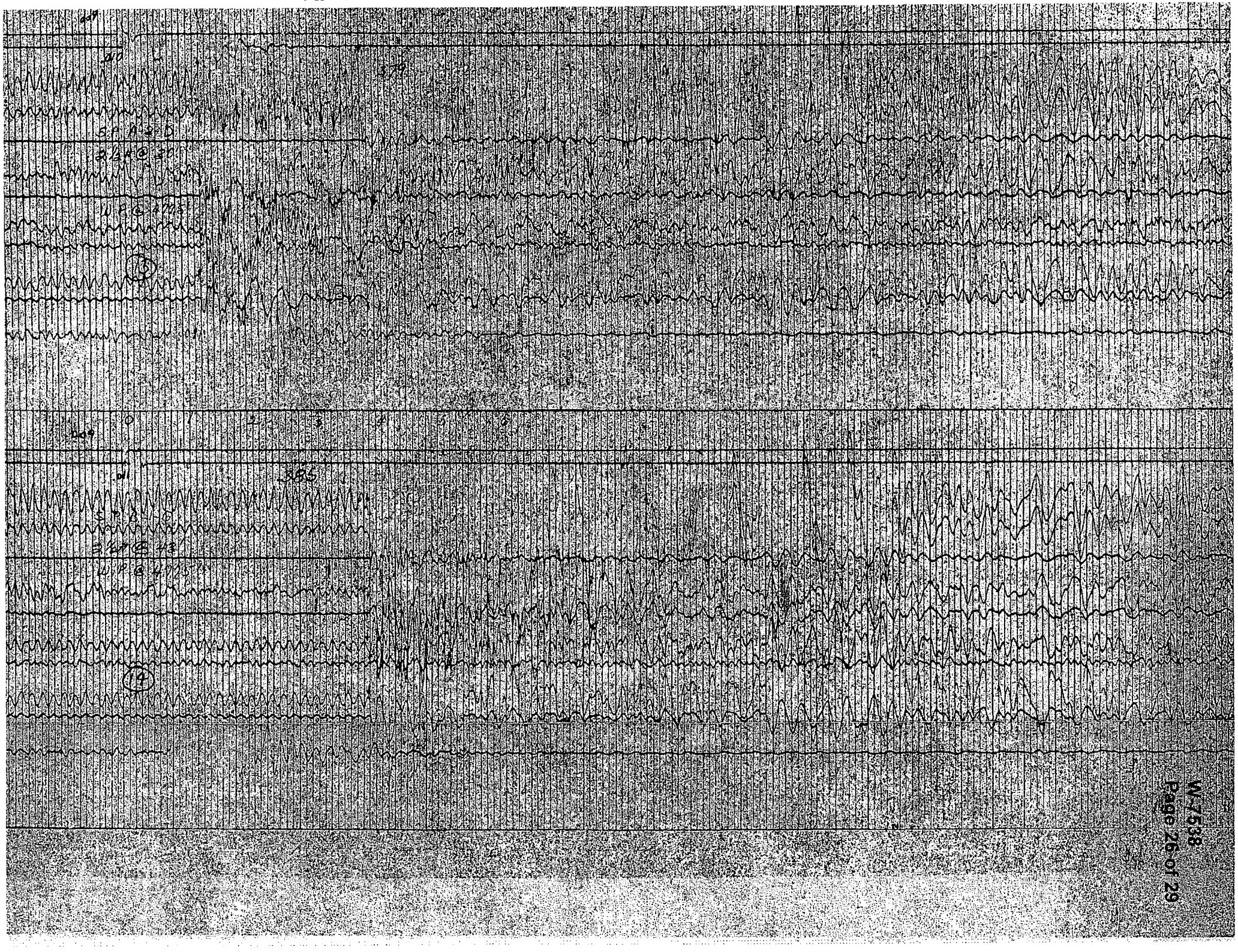

239
241
MOBIL


MOBIL RI HARBOND
CITRUS CO. FLORIDA
0 1 2 3 4 5 6 7 8
295
SP A-1-B
1# @ 35'
W.P. @ 3750'
478
0 1 2 3 4 5 6 7 8
300
SP B-1-E
1# @ 45'
W.P. @ 3750'



0 1 2 3 4 5 6 7 8
±.000
.008
.357
S.P. A-2-C
2# @ 30'
W.P. @ 4500
0 1 2 3 4 5 6 7
±.000
.010
.360


Moon #1 Harbord
Citrus Co. Florida
Moon #1 Harbord
Citrus Co. Florida


3
14

W 7538 35

Form 2

RECEIVED
OCT 15 1965
FLORIDA GEOLOGICAL SURVEY
TALLAHASSEE

NOTICE OF INTENTION TO DRILL OR DEEPEN

to the
STATE BOARD OF CONSERVATION
STATE OF FLORIDA

Is this an application to drill or deepen Drill ?

Notice must be given to the State Board of Conservation and approval obtained before drilling begins. Submit this notice in duplicate. One copy will be returned following approval. Locations which do not comply with applicable spacing rules will be set for special hearing. This form shall be accompanied by $50.00 permit fee for all permits to drill, but not for permits to deepen.

Attach certified plat showing proposed location with reference to the nearest lease lines. Also show the nearest wells on all sides of this location and the distance from the proposed location to those wells. Give names of adjoining lease or property owners, and designate all property by lease and company name. Designate scale (1 in.-400 ft.) to which plat is drawn and the northerly direction.

NAME OF COMPANY OR OPERATOR

NAME: MOBIL OIL COMPANY, A DIVISION OF SOCONY MOBIL OIL COMPANY, INC.
Address: 300 Petroleum Building
City: Jackson, Mississippi

DESCRIPTION OF FARM OR LEASE

NAME (FEE OWNER): Harbond, Inc.
NUMBER OF ACRES: 4315 WELL NO.: 1
NUMBER OF WELLS ON LEASE: 0 ACRES ASSIGNED TO WELL: 40

LOCATION OF WELL

FIELD: Wildcat COUNTY: Citrus 1150' from N/L & 2310 from W/L
SURVEY: Township 17 South, Range 16 East
SECTION: 25 ELEVATION: 13.45' ground
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1320 FEET.
DISTANCE FROM LOCATION TO NEAREST DRILLING, COMPLETED, OR APPLIED FOR WELL ON SAME LEASE ------ FEET.
PROPOSED DEPTH TO BE DRILLED 6000 FEET.
IS THIS WELL LOCATED IN (1) A MUNICIPALITY, (2) TIDAL WATERS WITHIN 3 MILES OF A MUNICIPALITY, OR (3) ON AN IMPROVED BEACH AS SET OUT IN SECTION 18, PARAGRAPH (e), (f), and (g) OF H.B. 284 (SEE REVERSE SIDE). No (Yes or No) IF SO, IS COPY OF PERMIT FROM GOVERNING AUTHORITIES ATTACHED? ——— (Yes or No)

The status of bond for this well in conformance with Rule B-7 of the Board is as follows:
Blanket Bond in Effect

Correspondence regarding this well should be addressed to: Mobil Oil Company
P.O. Box 685, Jackson, Mississippi 39205

AFFIDAVIT

I, Milton Hruby, being first duly sworn on oath, state that to the best of the knowledge and belief of the undeersigned the facts and matter herein set forth are true and correct.

NAME Milton Hruby FOR R.R. GRAVES
TITLE ~~DISTRICT EXPLORATION SUPERINTENDENT~~

Subscribed and sworn to before me this 6th day of October, 1965.

Public at Large
Kathryn E. Berg
Notary Public
My Commission Expires June 27, 1969 Leon County
Bonded By American Fire & Casualty Co.
Address: 2310 Omega Circle, Tallahassee Florida

ACTION OF BOARD

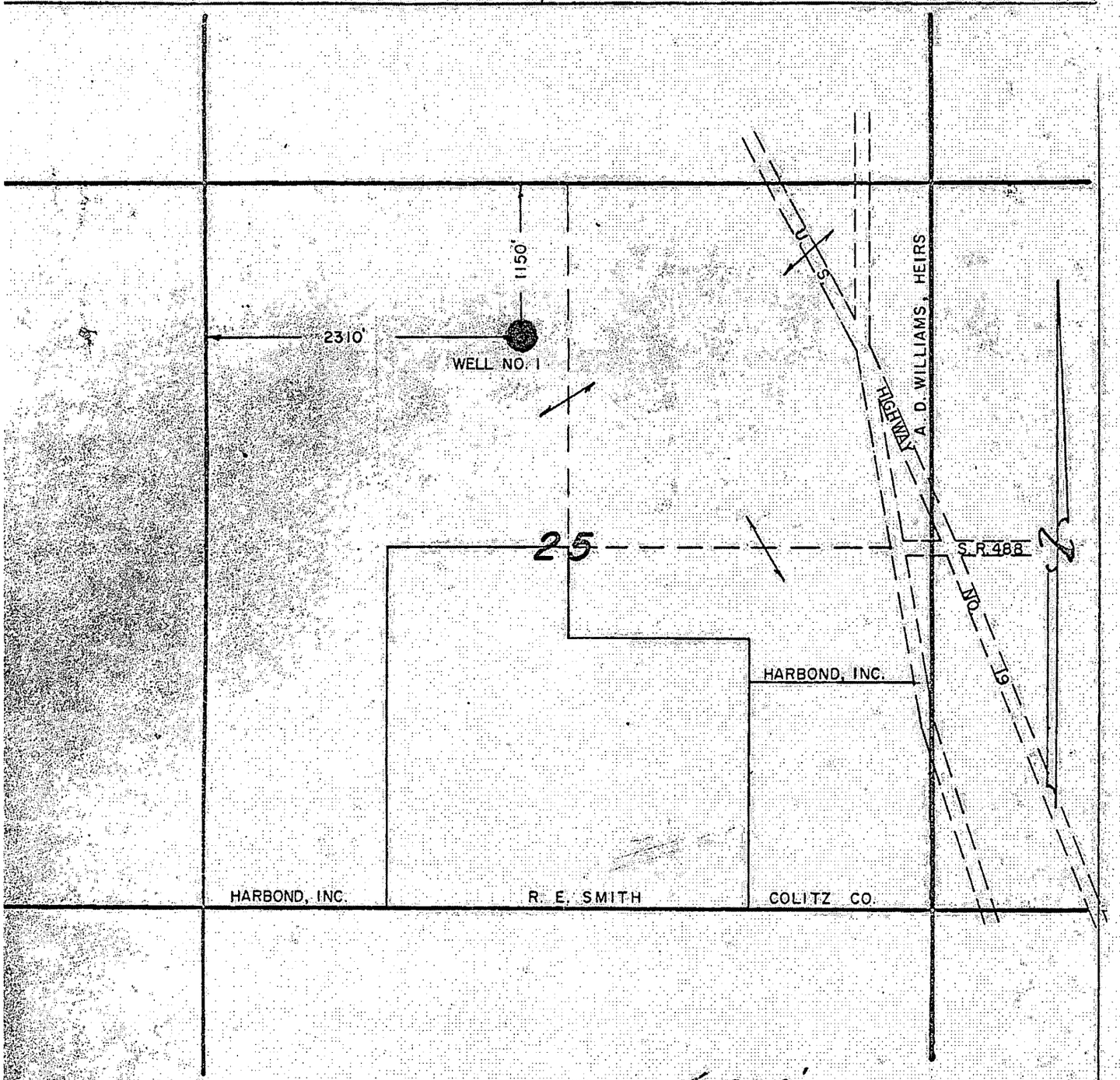
APPROVED: October 26, 1965 DENIED:

STATE BOARD OF CONSERVATION,
By Randolph Hodges

Permit No. 358 To be filled in by Board. This number should always be used in correspondence relating to this well.

THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF SOCONY MOBIL OIL CO., INC. AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREOF (PARTIAL OR COMPLETE) SHALL BE RETURNED TO THE OWNER ON DEMAND.

CO7214 (8-61)



Reserve _____ Permit depth 6,000'

Special Instructions _____

Date work is commenced _____, 19____ _____ Supt.

Location approved by _____ Plat by _____ Surveyed by _____

THE STATE OF FLORIDA
COUNTY OF CITRUS

I hereby certify that this plat truly represents conditions as they actually exist on this date, that said plat which is drawn to the scale indicated hereon, is to the best of my knowledge true and correct, that it accurately shows said lease with all wells on same, their number and location, and that said wells are as indicated hereon and that this plat contains all pertinent and required data.

WILLARD R. BOWSKY
FLA. REG. SURVEYOR NO. 1829
INVERNESS, FLA.

SOCONY MOBIL OIL COMPANY, INC.
EXPLORATION & PRODUCING DEPARTMENT
SHREVEPORT, LOUISIANA

LEASE HARBOND, INC.
WELL NO. 1 DATE OCTOBER 5, 1965
DISTRICT SHREVEPORT LEASE NO.
TOTAL ACRES IN LEASE 4,315 AC. ACRES COVERED BY PLAT 640 AC.
DESCRIPTION ALL SEC. 25, T. 17 S., R. 16 E.

CITRUS COUNTY, FLORIDA

DRAWN L.R. Evans	DATE 10-1-65	FIELD WILDCAT
SCALE 1" = 1000'	FILE NO.	