

#1 Site 51

1 LOCATION OF WATER WELL: County: <u>Stafford</u>	Fraction <u>SE 1/4 SE 1/4 SE 1/4</u>	Section Number <u>36</u>	Township Number <u>T 21 S</u>	Range Number <u>R 14 E/W</u>
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Distance and direction from nearest town or city street address of well if located within city?
1/4 mile west of Seward, KS

2 WATER WELL OWNER: Big Bend GWMD #5
 RR#, St. Address, Box # : P.O. Box 7
 City, State, ZIP Code : Stafford, KS 67578
 Board of Agriculture, Division of Water Resources
 Application Number: not required

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N	1	2	3	4
W	NW	NE		
E	SW	SE		X
S				

4 DEPTH OF COMPLETED WELL: 177 ft. ELEVATION: unknown
 Depth(s) Groundwater Encountered 1. 20 ft. 2. 20 ft. 3. 20 ft.
 WELL'S STATIC WATER LEVEL 20 ft. below land surface measured on mo/day/yr 11/17/86
 Pump test data: Well water was not ck'd ft. after hours pumping gpm
 Est. Yield unknown gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter 9 in. to 204 ft., and in. to ft.
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well
 Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes No X

5 TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)	CASING JOINTS: <u>Glued X</u> Clamped <u> </u>
2 PVC	4 ABS	7 Fiberglass		Welded <u> </u>
				Threaded <u> </u>

Blank casing diameter 5 in. to 170 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 24 in., weight 2.788 lbs./ft. Wall thickness or gauge 265

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)	10 Asbestos-cement
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS	11 Other (specify) <u> </u>
				12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

1 Continuous slot	3 Mill slot	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
2 Louvered shutter	4 Key punched	6 Wire wrapped	9 Drilled holes	
		7 Torch cut	10 Other (specify) <u> </u>	

SCREEN-PERFORATED INTERVALS: From 170 ft. to 175 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 160 ft. to 175 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 0 ft. to 160 ft., From ft. to ft., From ft. to ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) field/pasture land
 13 Insecticide storage
 Direction from well? all How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	7	Topsoil & brown clay	190	200	Gray clay
7	38	Sandy brown & green clay	200	204	Yellow & tan Dakota clay
38	54	Sandy tan & brown & gray			
54	110	Sand & gravel, fine to med. to coarse w/streak of yellow clay @ 100'			
110	120	Sandy brown & white clay			
120	142	Sand & gravel, fine to med.			
142	144	Soft brown clay			
144	149	Sand & gravel, fine			
149	155	Soft tan sandy clay			
155	172	Sand & gravel, fine to very fine			
172	176	Soft sandy brown clay			
176	180	Sandy gray & brown clay			
180	190	Very fine Dakota drift & clay			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 11/17/86 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/yr) 11/20/86 under the business name of Clarke Well & EQ., Inc. by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

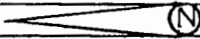
OFFICE USE ONLY
T
R
E/W
SEC.

BIG BEND GMD#5-KGS
WATER QUALITY
OBSERVATION WELL
NETWORK

SITE NUMBER : 51
SITE LOCATION: SE SE SE

LEGAL LOCATION: 36-21-14
COUNTY : Stafford

WELL LOG

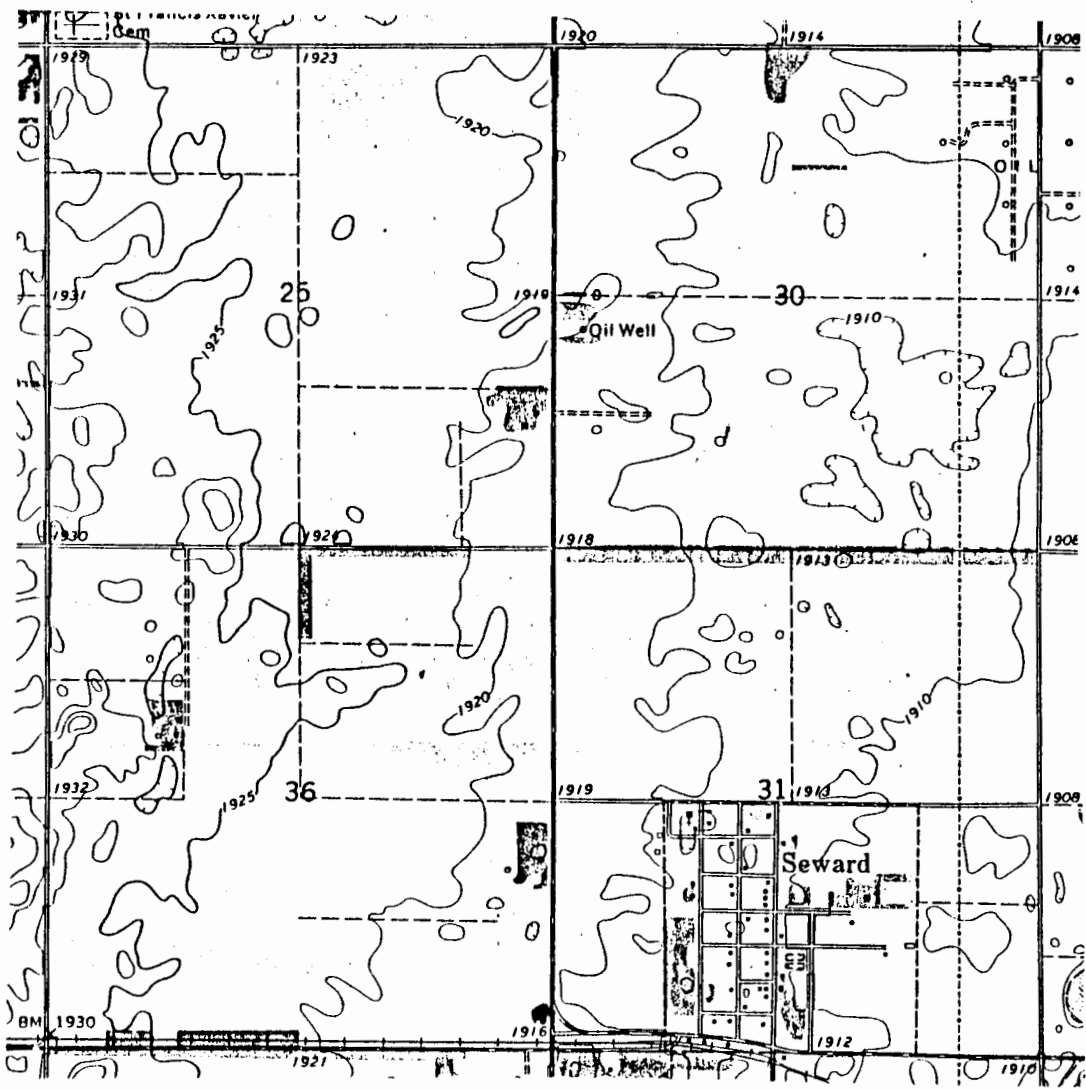
FROM	TO	LITHOLOGIC LOG OWNER: McGinty
0	5	topsoil, tan clay
5	8	fine sand and clay grading into fine sand
8	15	same
15	23	sandy clay
23	30	more fine sand still mixed with some buff clay
30	37	buff sandy clay, sand becoming slightly coarse
37	45	same
45	52	same
52	54	brown fine sand with clay matrix
54	57	fine gravel, arkosic
57	60	med to coarse sand and gravel
60	63	same
63	75	med to coarse gravel (very clean) arkosic
75	90	med sand to med gravel, becoming sandier with depth
90	100	same
100	101	brown sandy clay
101	105	med sand to med gravel
105	110	sandy brown clay
110	112	same
112	115	sandy gray clay
115	120	sand and sandy gray clay layers interbedded
120	123	same
123	135	fine sand to coarse gravel, arkosic, clean
135	144	same
144	145	soft brown sandy clay
145	150	fine sand to fine gravel, small gray clay streaks at 149'
150	160	fine sand to fine gravel
160	175	fine to coarse sand
175	190	gray clay (sandy) mixed with fine gravel small fragments of yellow sandstone (Dakota drift)
200	205	gray clay <i>Kiowa - Bedrock</i>
205	208	gray clay
208	210	brown sandy clay hard siltstone - tract of coal fragments; Dakota
		

①
175'
TD = 125'
120' / 5'
170'

②
100'
TD = 100'
95' / 5'

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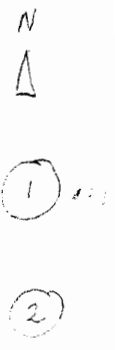
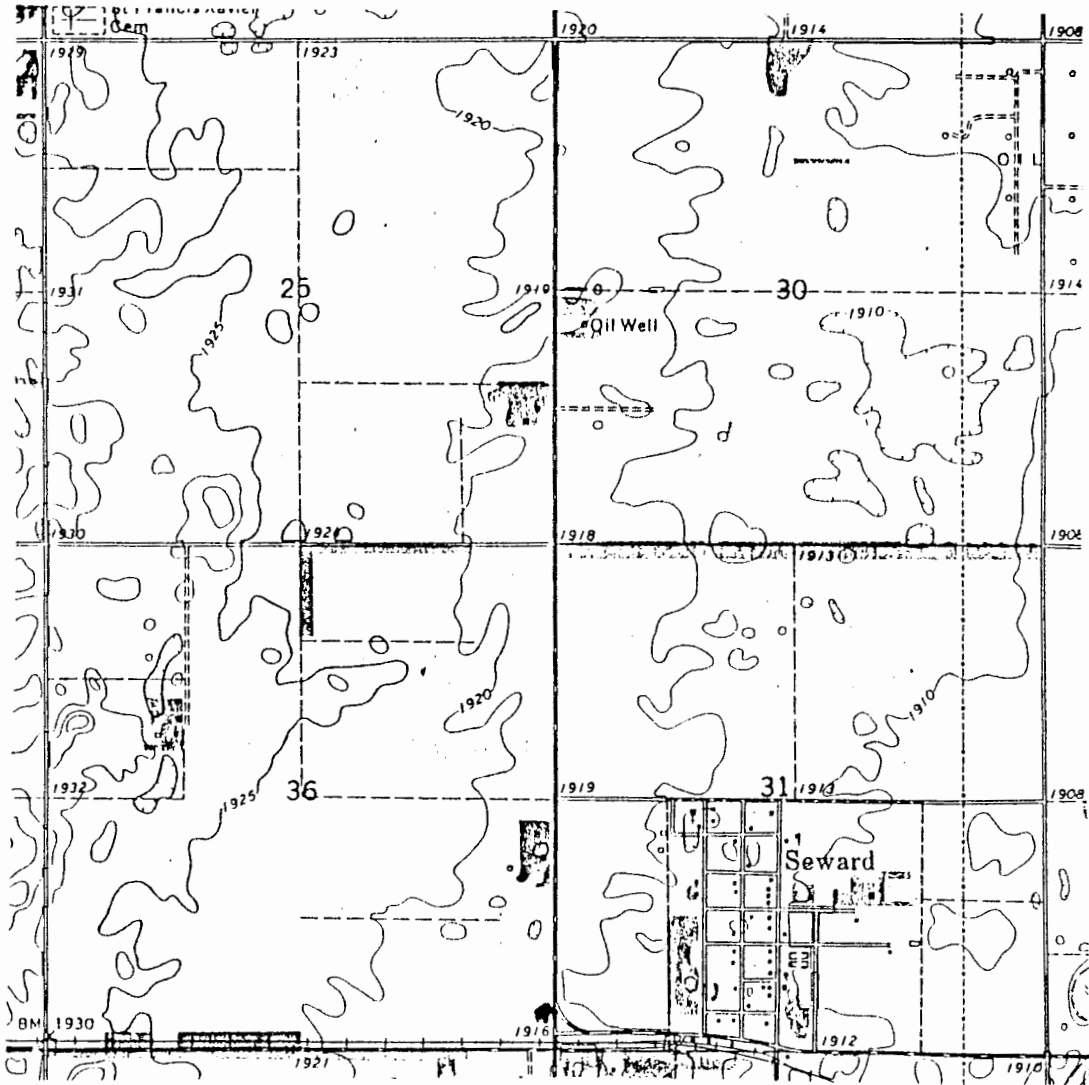
LANDOWNER: McGinty Letha
ADDRESS : RR
 Seward, KS 67577
PHONE NO.:



WELL LOCATION *

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WELL LOCATION *

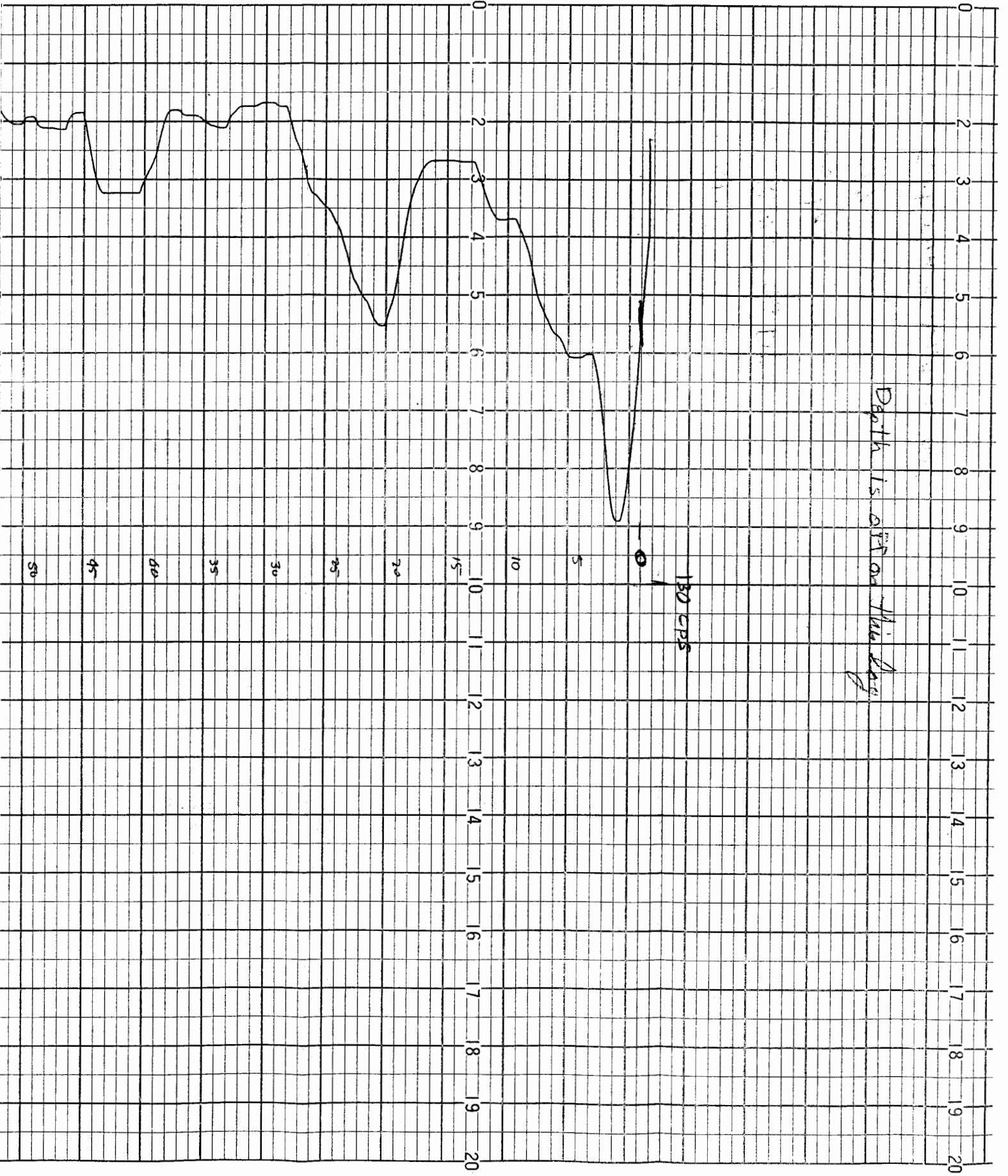
WELL NAME: SITE51

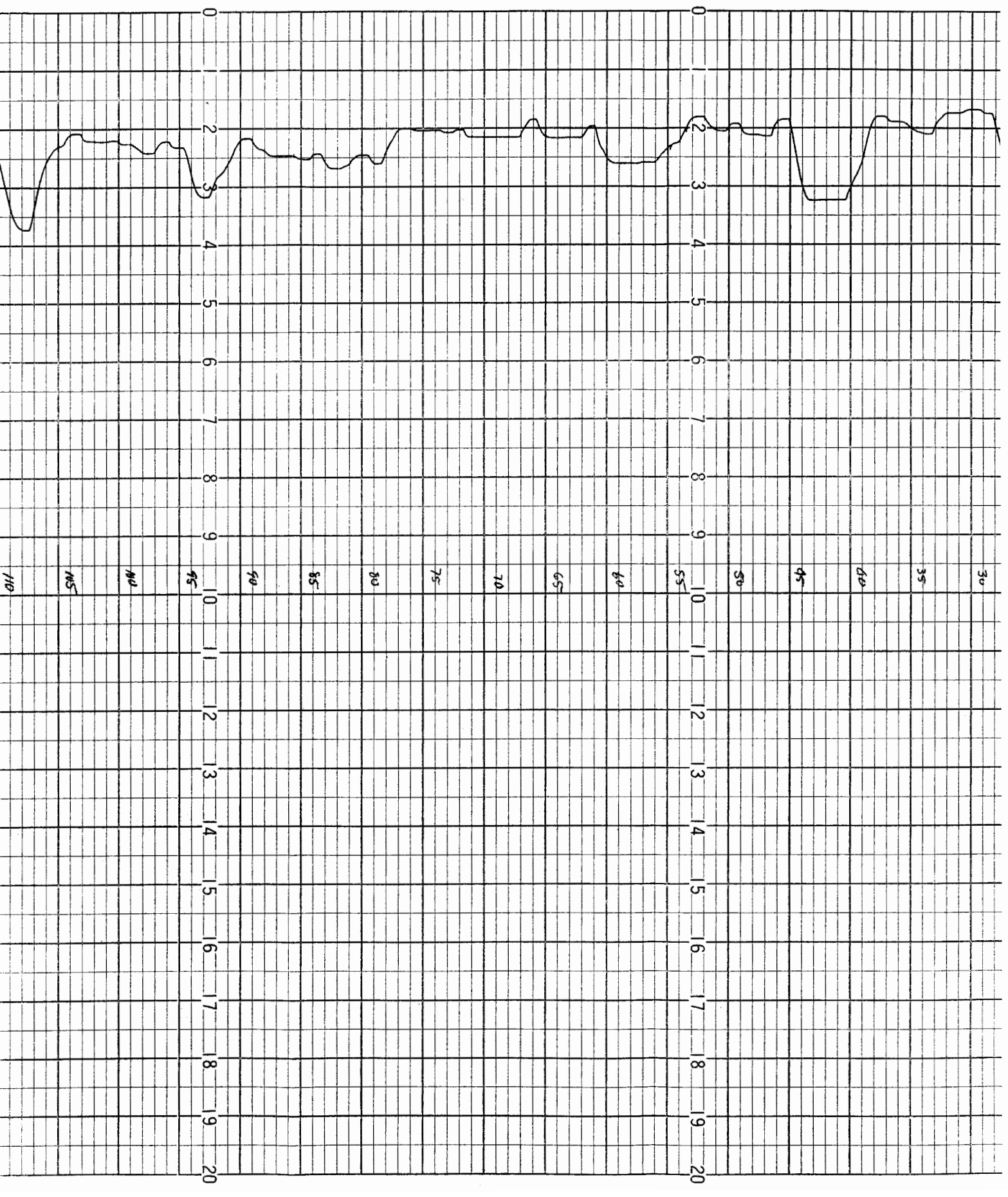
UNSATURATED
 ZONE
 LOG
 SHEET

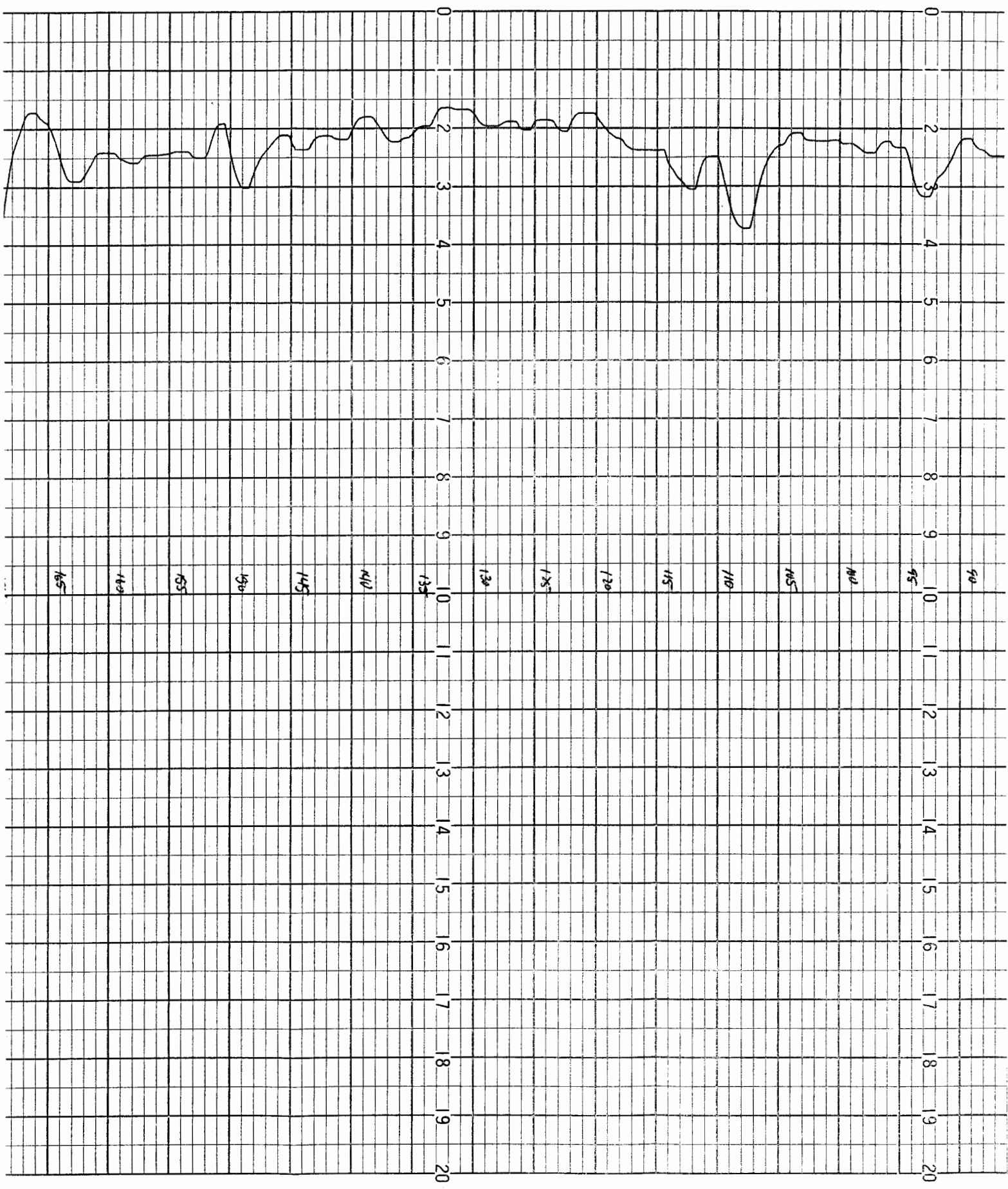
DEPTH	COMPONENTS	COMMENTS	PROP VAR	SUM DEN	ERROR
0			.96	.00	.00
1			.64	.00	.00
2			.60	.00	.00
3			.64	.00	.00
4			.91	.00	.00
5			.92	.00	.00
6			.98	.00	.00
7			.96	.00	.00
8			.98	.00	.00
9			1.00	.00	.00
10			.96	.00	.00
11			.90	.00	.00
12			.89	.00	.00
13			.88	.00	.00
14			.87	.00	.00
15			.87	.00	.00
16			.79	.00	.00
17			.76	.00	.00
18			.78	.00	.00

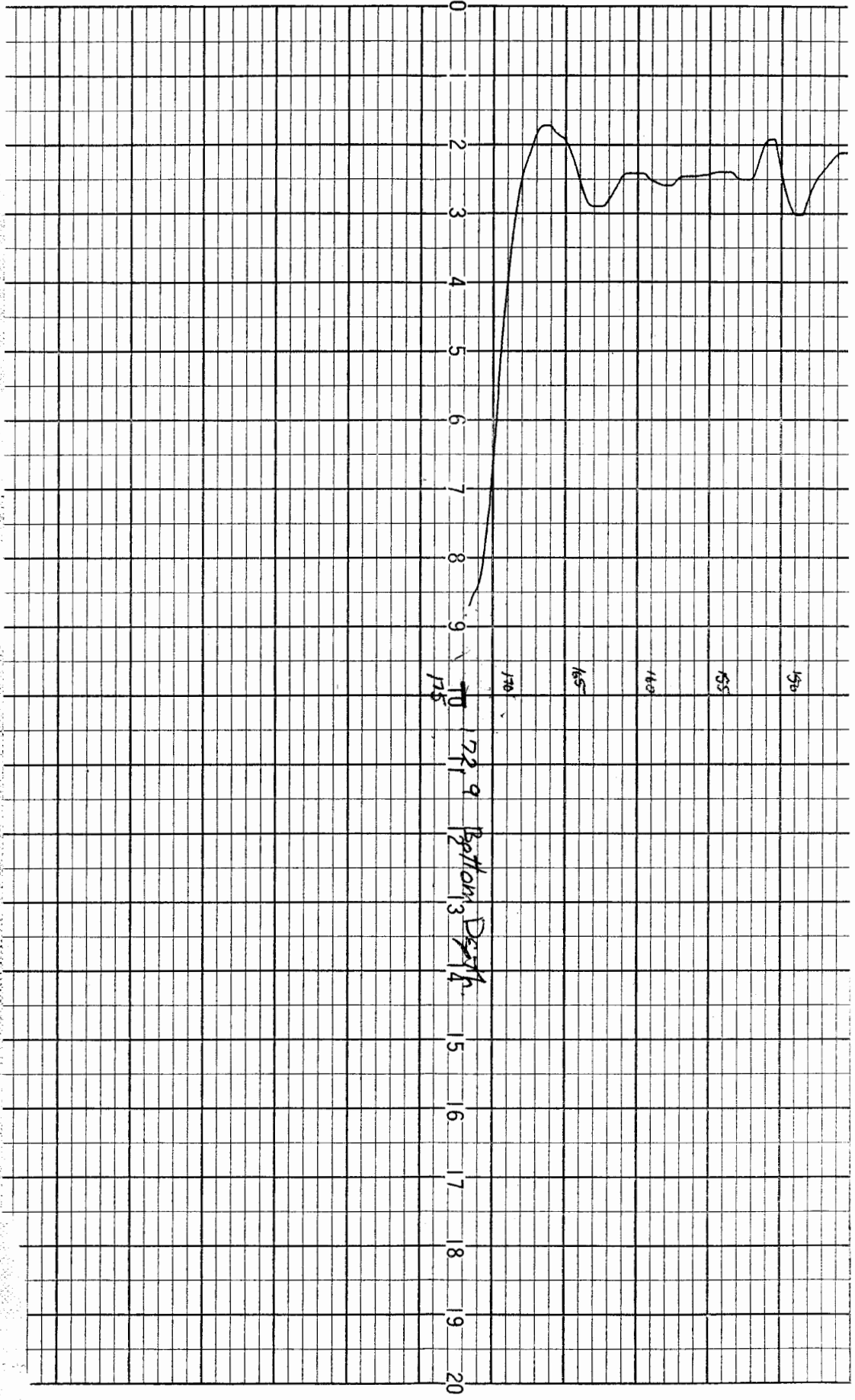
Depth is off on this log

30







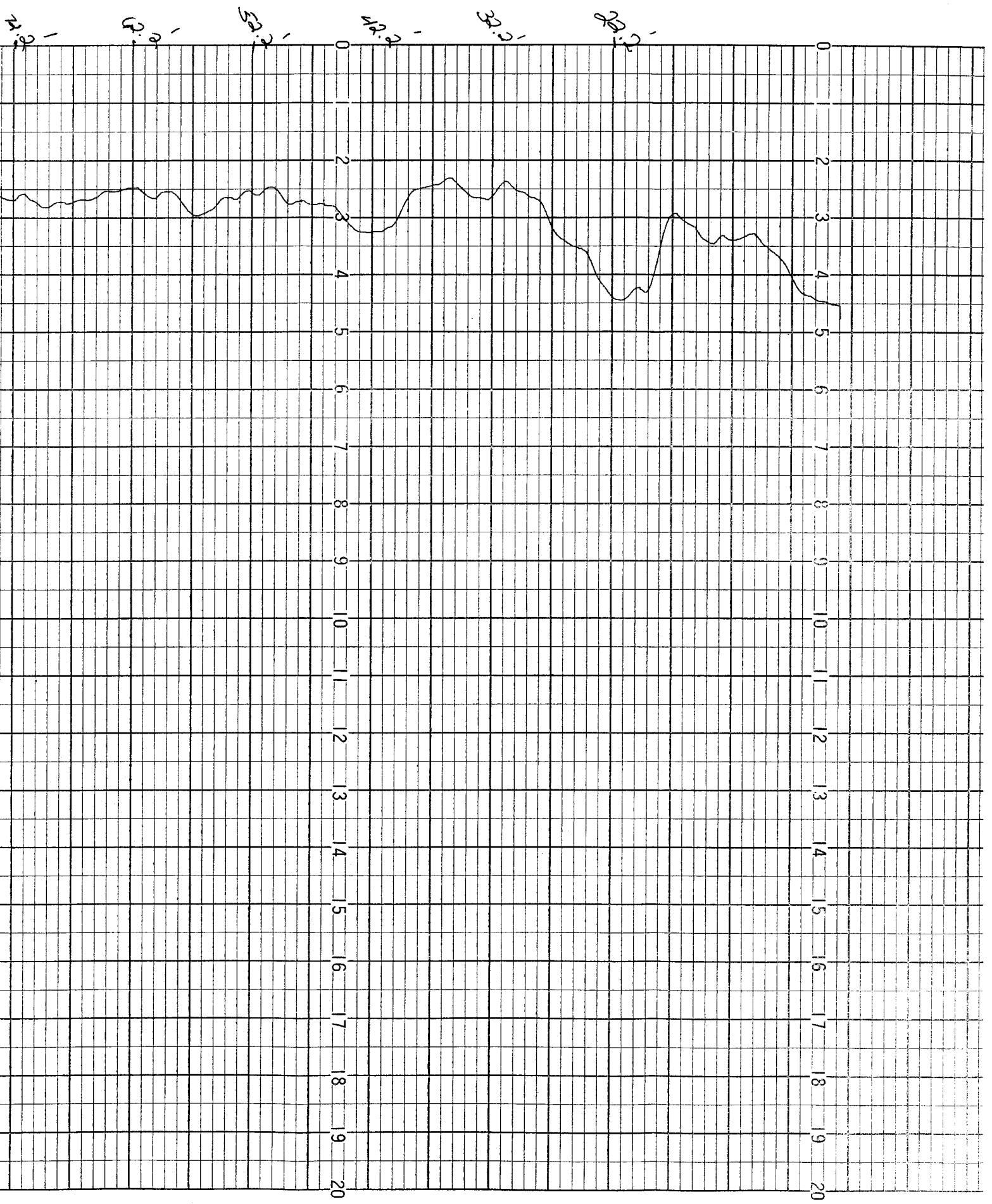


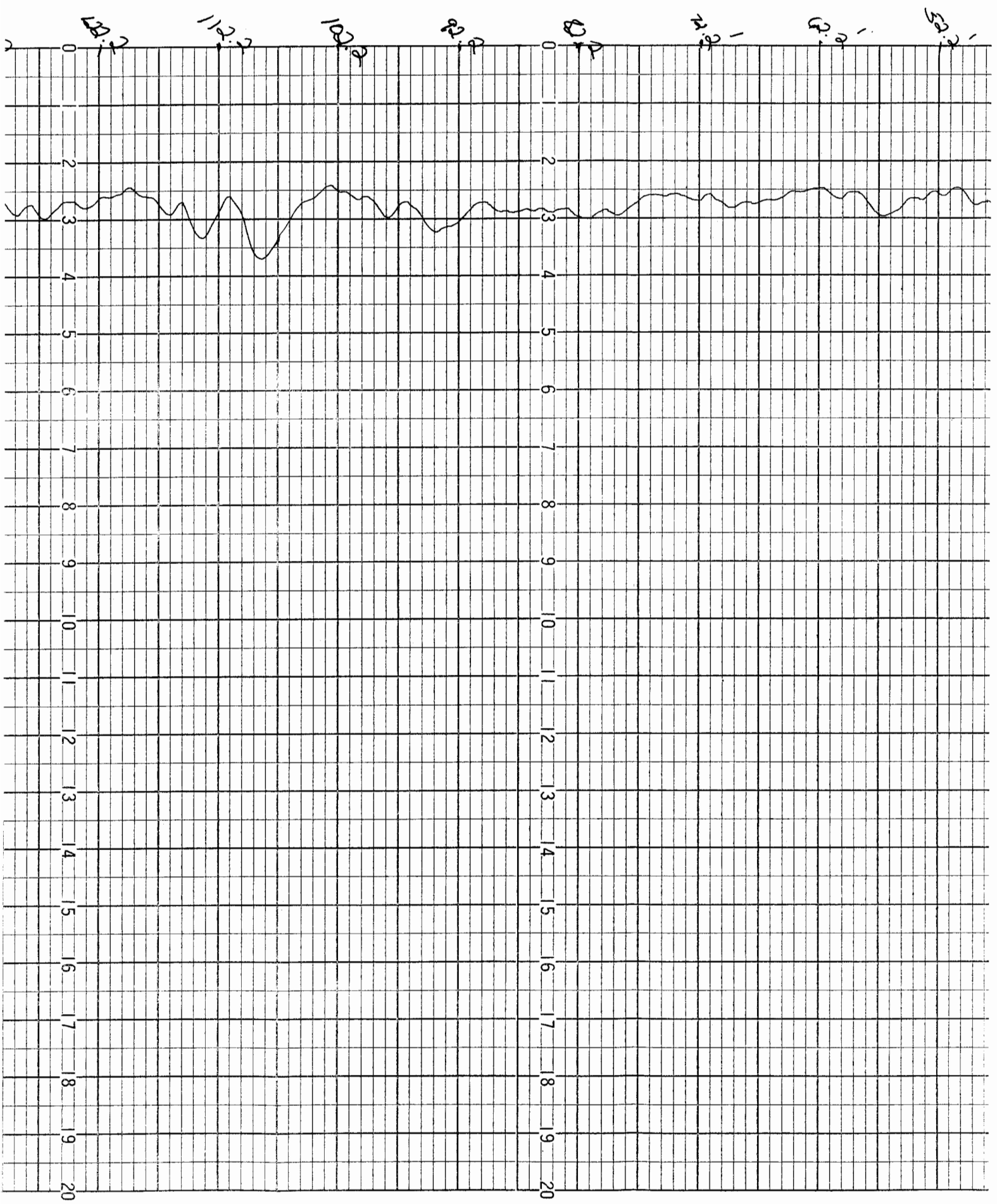
195
 190
 185
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 10
 5
 0

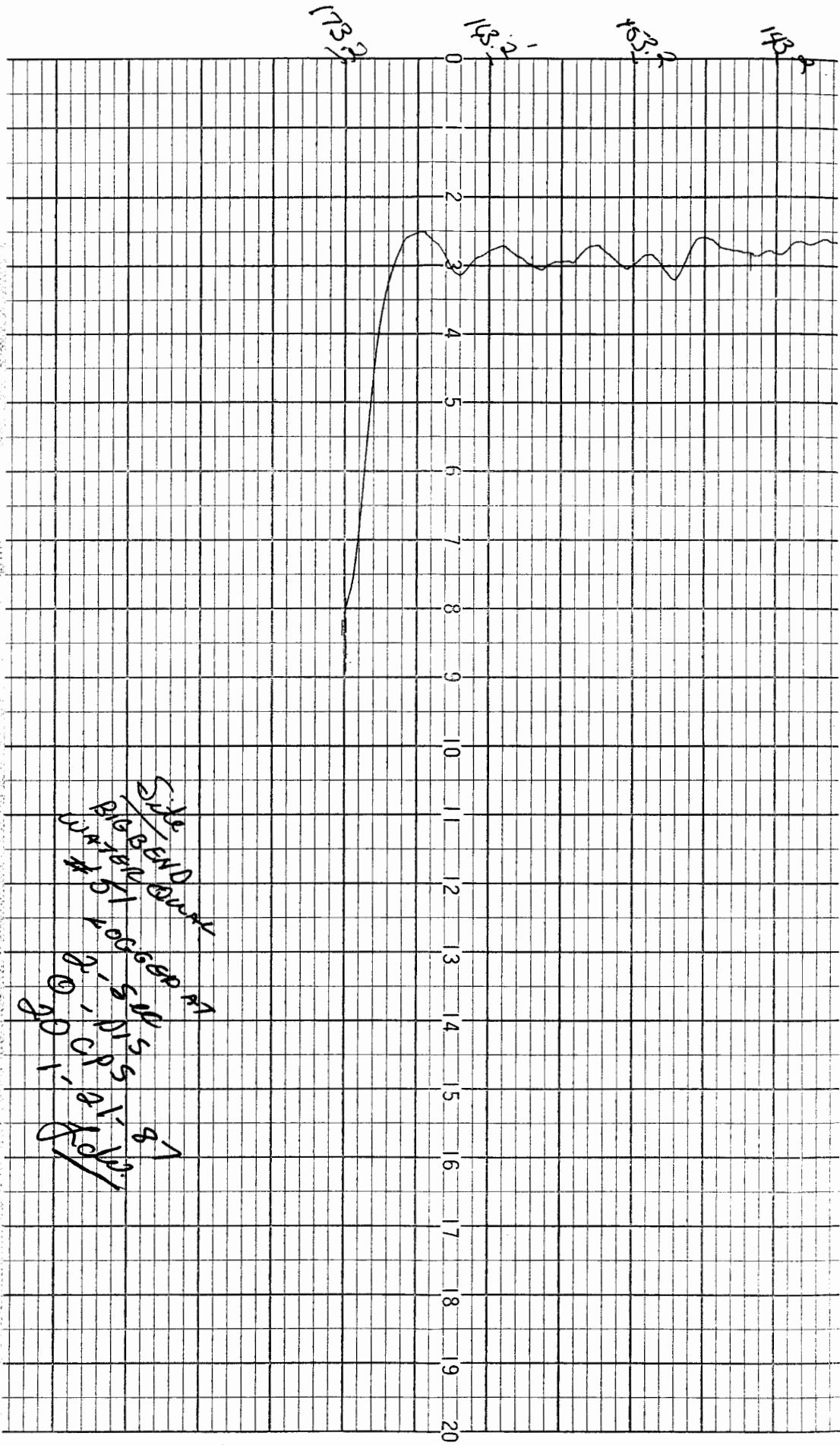
0 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

175
 180
 185
 190
 195

179.9
 Bottom
 Depth







Side
 BIG BEND QUANT
 WATER # 1
 400 GEP #1
 10' 5' 10' 15'
 10' 15' 20' 25'
 10' 15' 20' 25'
 10' 15' 20' 25'