

|  |   |                            |                                  |                                |
|--|---|----------------------------|----------------------------------|--------------------------------|
| 1 LOCATION OF WATER WELL:<br>County: <u>Stafford</u> | Fraction<br><u>NW 1/4 NW 1/4 NW 1/4</u> | Section Number<br><u>6</u> | Township Number<br><u>T 23 S</u> | Range Number<br><u>R 13 EW</u> |
|--|---|----------------------------|----------------------------------|--------------------------------|

Distance and direction from nearest town or city street address of well if located within city?  
Approx. 6 miles south of Seward

2 WATER WELL OWNER: Big Bend GMD #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:

4 DEPTH OF COMPLETED WELL: 202 ft. ELEVATION: unknown  
 Depth(s) Groundwater Encountered 1. 28' ft. 2. \_\_\_\_\_ ft. 3. \_\_\_\_\_ ft.  
 WELL'S STATIC WATER LEVEL 28 ft. below land surface measured on mo/day/yr 11/18/86  
 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 225 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 CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped \_\_\_\_\_  
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded \_\_\_\_\_  
 2 PVC 4 ABS 7 Fiberglass \_\_\_\_\_ Threaded \_\_\_\_\_  
 Blank casing diameter 5 in. to 195 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 No. 265  
 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) \_\_\_\_\_  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes  
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) \_\_\_\_\_  
 SCREEN-PERFORATED INTERVALS: From 195 ft. to 200 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 GRAVEL PACK INTERVALS: From 185 ft. to 200 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 185 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)  
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage FIELD  
 Direction from well? all How many feet? \_\_\_\_\_

| FROM | TO  | LITHOLOGIC LOG  | FROM | TO | LITHOLOGIC LOG |
|------|-----|---|------|----|----------------|
| 0    | 45  | Topsoil & sandy brown clay  |      |    |                |
| 45   | 102 | Sand & gravel, med. to fine w/tan clay streak @ 54'                         |      |    |                |
| 102  | 112 | Tan & tan sandy clay  |      |    |                |
| 112  | 127 | Sand & gravel, fine to very fine  |      |    |                |
| 127  | 131 | Tan clay  |      |    |                |
| 131  | 165 | Sand & gravel, fine w/streaks of sandy clay @ 144'                          |      |    |                |
| 165  | 195 | Sand & gravel, fine to very fine w/lot of thin streaks of gray & green clay |      |    |                |
| 195  | 223 | Sand & gravel, fine to med. w/thin clay streaks                             |      |    |                |
| 223  | 225 | Red shale   |      |    |                |

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) 11/18/86 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 & Equip., 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  
EW  
SEC.




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

SITE NUMBER : 52  
SITE LOCATION: NW NW NW

LEGAL LOCATION: 6-23-13  
COUNTY : Stafford

6-23-13

WELL LOG

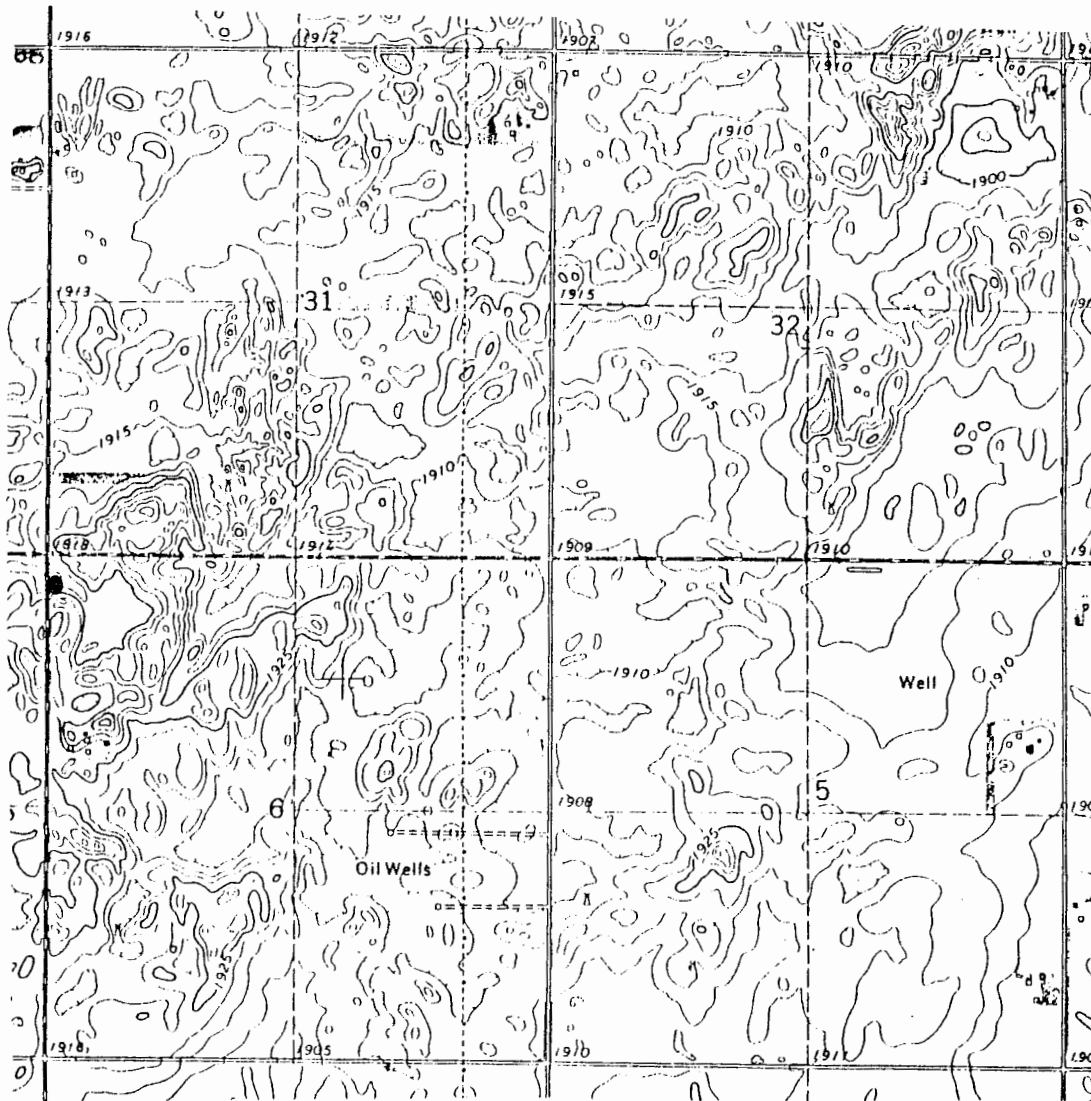
| FROM | TO  | LITHOLOGIC LOG  | OWNER: GLEASON RANCH   |
|------|-----|---|--|
| 0    | 7   | top soil, fine sand, Pratt  |  |
| 7    | 9   | fine sand in salt matrix  |  |
| 9    | 15  | brown sandy clay  |  |
| 15   | 30  | same  |  |
| 30   | 37  | same  |  |
| 37   | 45  | color changes to light tan sandy clay   |  |
| 45   | 54  | Arkosic sand and gravel (fine to med gravel)  |  |
| 54   | 54½ | stringer of clay  |  |
| 54½  | 60  | med to coarse sand and gravel   |  |
| 60   | 75  | same  |  |
| 75   | 90  | same  |  |
| 90   | 102 | same  |  |
| 102  | 105 | brown sandy clay  |  |
| 105  | 112 | soft brown clay   |  |
| 112  | 120 | fine sand to fine gravel  |  |
| 120  | 127 | very fine sand to fine gravel, gray clay  |  |
| 127  | 131 | gray clay   |  |
| 131  | 135 | fine sand to fine gravel  |  |
| 135  | 141 | same  |  |
| 141  | 144 | soft sandy tan clay   |  |
| 144  | 150 | fine sand to fine gravel  |  |
| 150  | 156 | same  |  |
| 156  | 157 | clay stringer   |  |
| 157  | 165 | fine sand to fine gravel  |  |
| 165  | 170 | same  |  |
| 170  | 180 | light gray clay (soft) interbedded with fine sand   |  |
| 180  | 195 | fine sand to fine gravel interbedded with gray clay stringers   |  |
| 195  | 200 | same  |  |
| 200  | 210 | fine sand to med gravel   |  |
| 210  | 221 | same  |  |
| 221  | 225 | red shale - PERMIAN   |  |
|      |     |   | (N)  |
|      |     |   |  |

TD = 200'  
195' / 5'

TD = 102'  
97' / 5'

SITE NUMBER : 52  
SITE LOCATION : NW NW NW  
LEGAL LOCATION : 6-23-13  
COUNTY : Stafford

LANDOWNER: Gleason Ranch, Inc  
ADDRESS : RR 2 Box 6E  
Larned, KS 67550  
PHONE NO.:

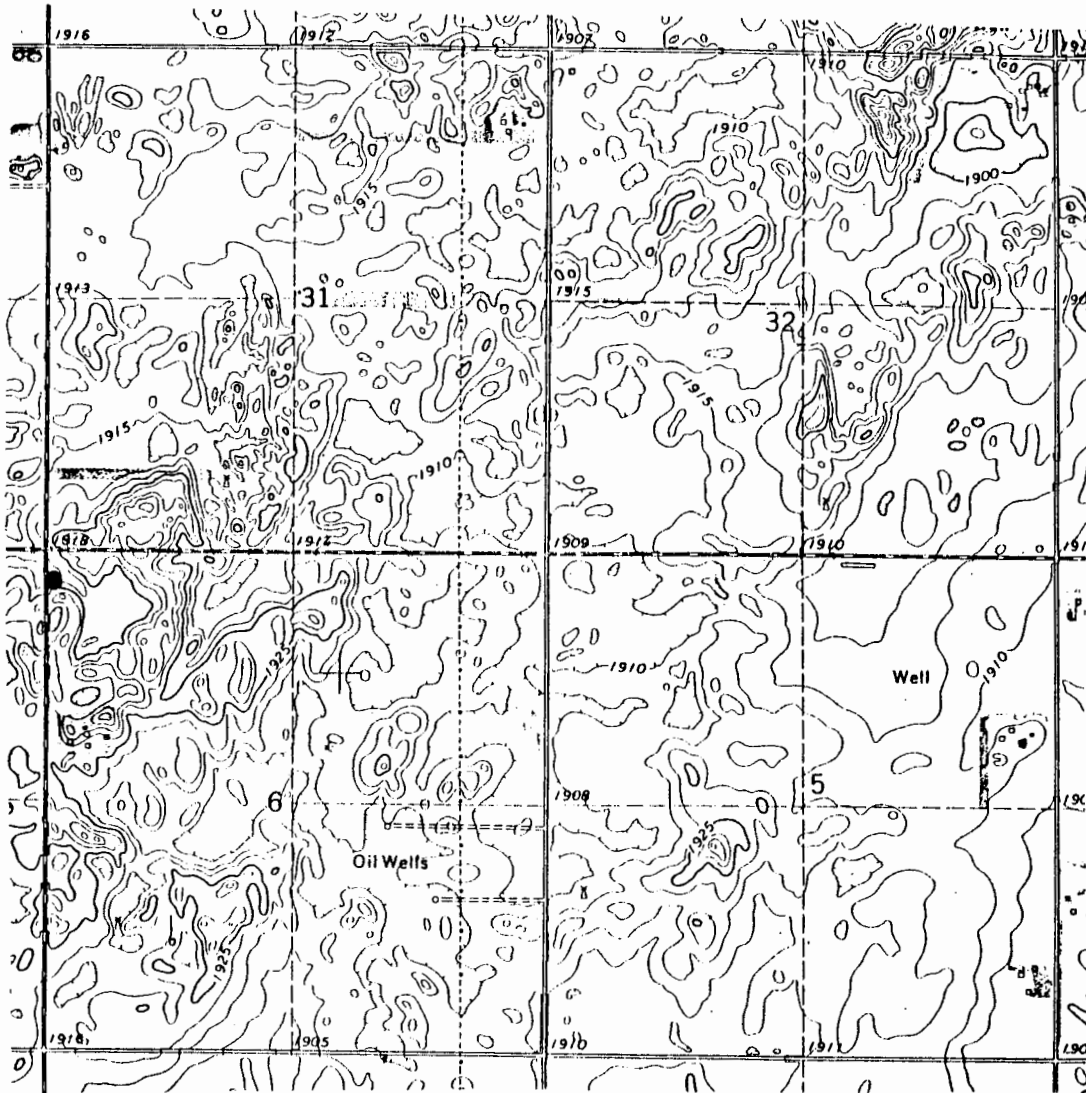


2  
1 Day  
20

WELL LOCATION \*

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SITE LOCATION : NW NW NW  
LEGAL LOCATION: 6-23-13  
COUNTY : Stafford

LANDOWNER: Gleason Ranch, Inc  
ADDRESS : RR 2 Box 6E  
Larned, KS 67550  
PHONE NO.:

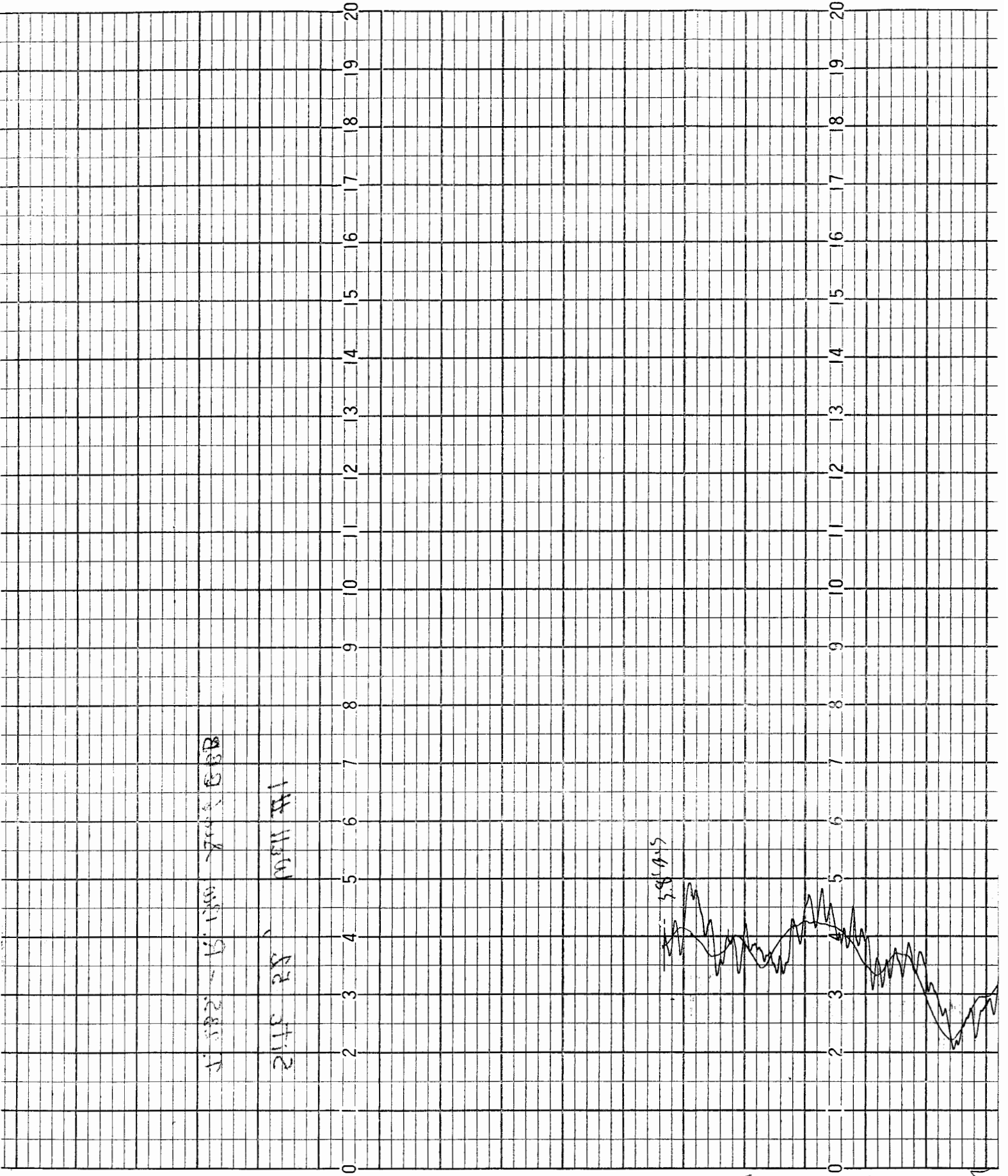


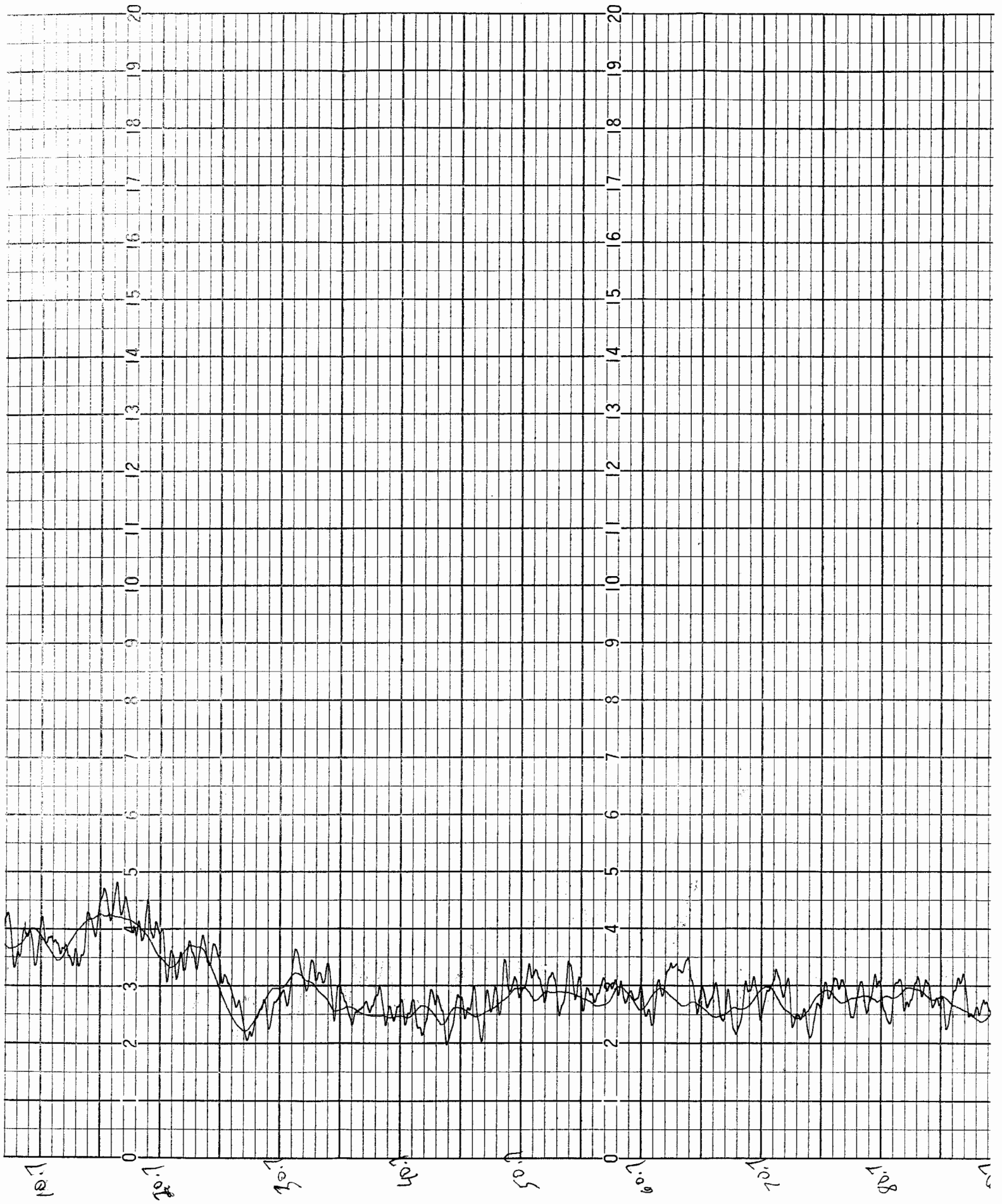
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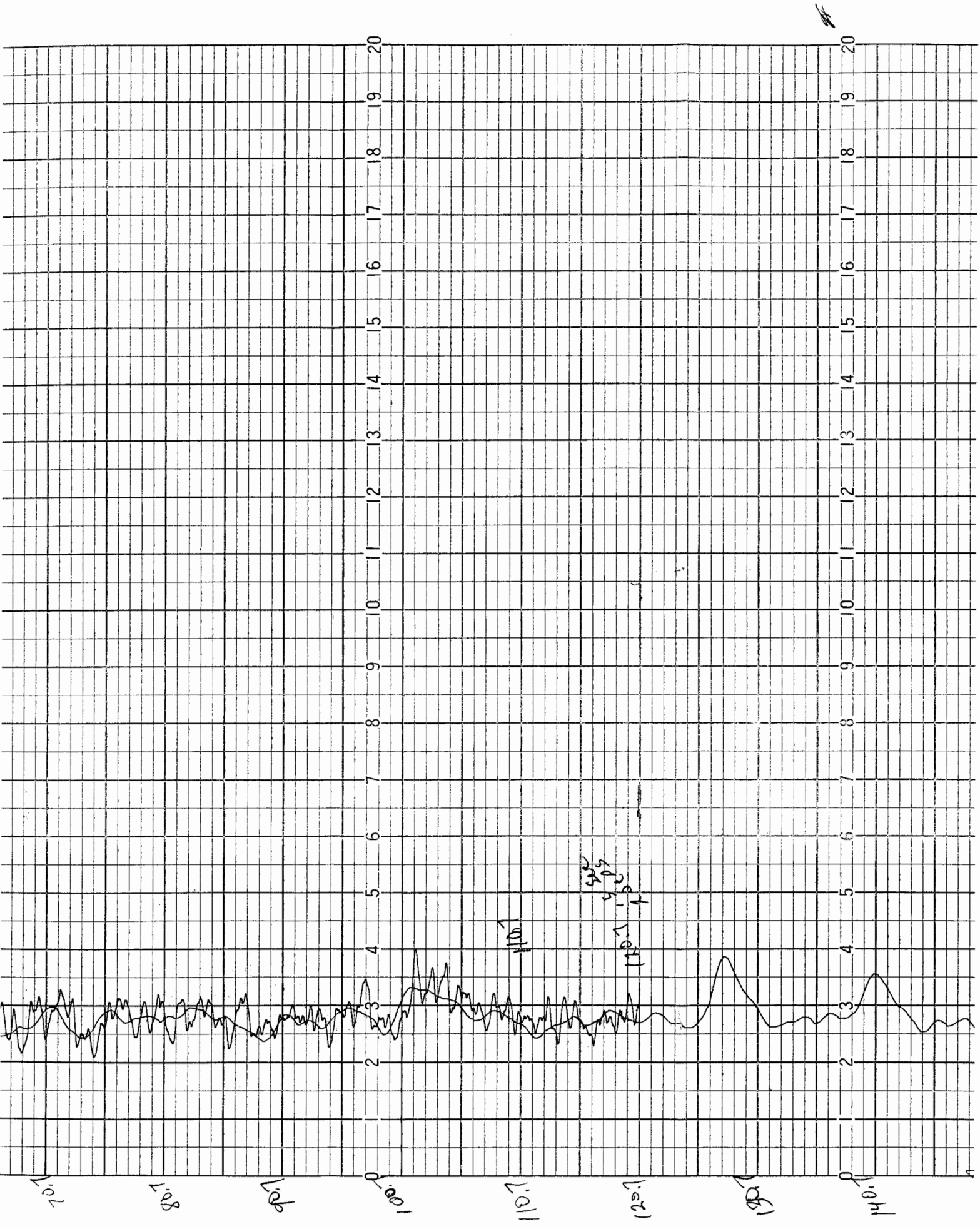
WELL NAME: SITE52

UNITS  
 FEET  
 METERS  
 GRADES  
 SURFACE

| DEPTH | COMPONENTS | COMMENTS | PROP<br>USE | SUR<br>REV | STATUS |
|-------|------------|----------|-------------|------------|--------|
| 0     |            |          | .96         | .00        | .00    |
| 10    |            |          | .96         | .00        | .00    |
| 20    |            |          | .95         | .00        | .00    |
| 30    |            |          | .72         | .00        | .00    |
| 40    |            |          | .65         | .00        | .00    |
| 50    |            |          | .79         | .00        | .00    |
| 60    |            |          | .65         | .00        | .00    |
| 70    |            |          | .64         | .00        | .00    |
| 80    |            |          | .68         | .00        | .00    |
| 90    |            |          | .63         | .00        | .00    |
| 100   |            |          | .77         | .00        | .00    |
| 110   |            |          | .63         | .00        | .00    |
| 120   |            |          | .70         | .00        | .00    |
| 130   |            |          | .87         | .00        | .00    |
| 140   |            |          | .87         | .00        | .00    |
| 150   |            |          | .68         | .00        | .00    |
| 160   |            |          | .69         | .00        | .00    |

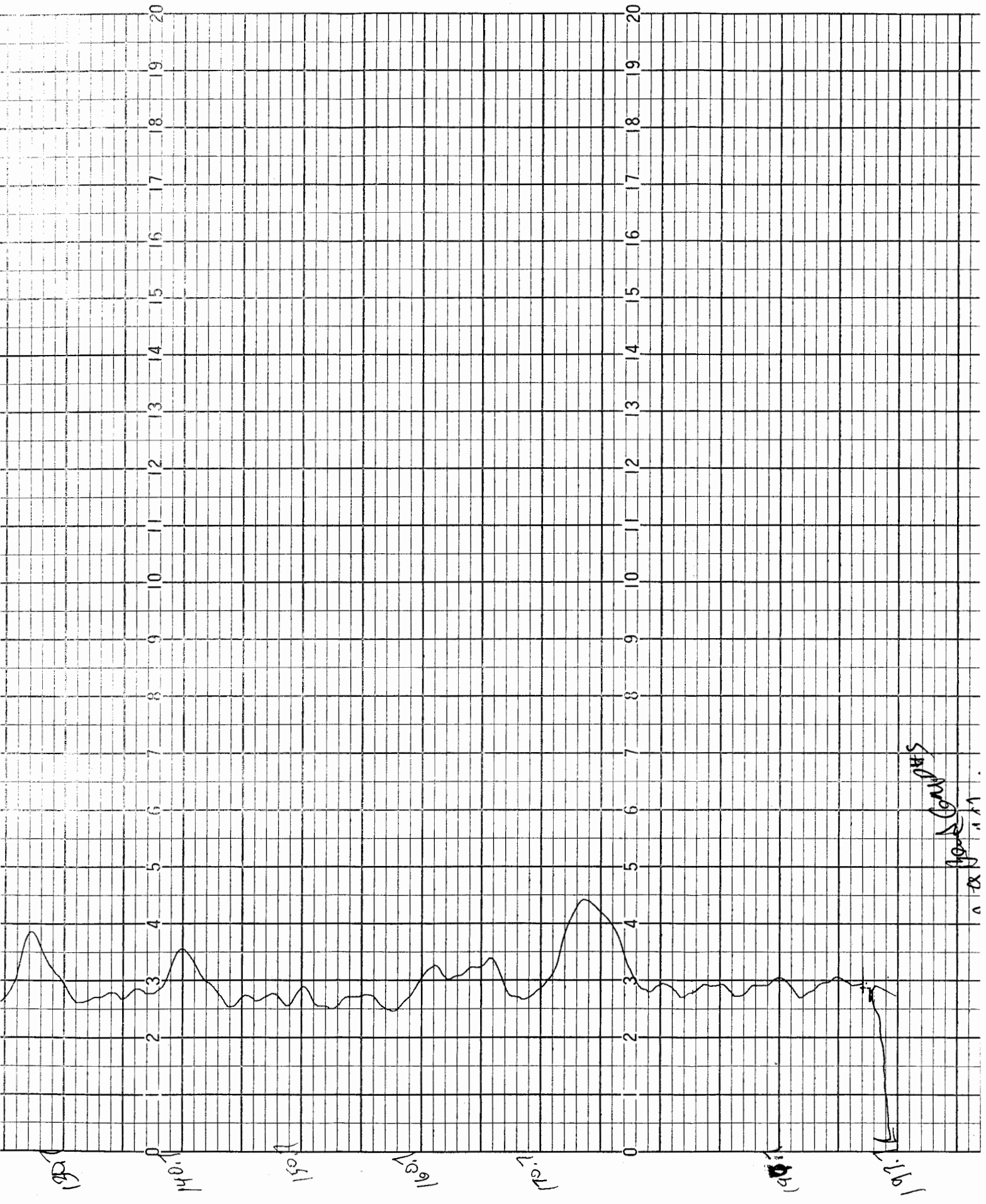








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S.P.H.  
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