

LOCATION OF WATER WELL	Fraction	Section Number	Township Number	Range Number
County: Stafford	NE 1/4 NW 1/4 NW 1/4	6	T 23 S	R 12 EW

Distance and direction from nearest town or city? **2 mi W, 1 mi S of Hudson**

Street address of well if located within city?

WATER WELL OWNER: **KGS/GWMD#5**

City, State, ZIP Code: **St. John, Kansas 67576**

Board of Agriculture, Division of Water Resources
Application Number:

DEPTH OF COMPLETED WELL: **225** ft. Bore Hole Diameter: **8** in. to **178** ft., and **4-3/4** in. to **225** ft.

Well Water to be used as:

1 Domestic	3 Feedlot	6 Oil field water supply	8 Air conditioning	11 Injection well
2 Irrigation	4 Industrial	7 Lawn and garden only	9 Dewatering	12 Other (Specify below)
			10 Observation well	Research

Well's static water level: **4.25** ft. below land surface measured on **October** month **15** day **1982** year

Pump Test Data: Well water was _____ ft. after _____ hours pumping. _____ gpm

Test Yield: Well water was _____ ft. after _____ hours pumping. _____ gpm

TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	5 Wrought iron	8 Concrete tile	Casing Joints: <input checked="" type="checkbox"/> Glued <input type="checkbox"/> Clamped
2 PVC	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded _____
		7 Fiberglass		Threaded _____

Blank casing dia: **5** in. to **178** ft., Dia **2** in. to **2** ft., Dia _____ in. to _____ ft.

Casing height above land surface: **16** in., weight _____ lbs./ft. Wall thickness or gauge No. **Schd. 40**

TYPE OF SCREEN OR PERFORATION MATERIAL:

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:

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) _____	

Screen-Perforation Dia: **2** in. to **216** ft., Dia _____ in. to _____ ft.

Screen-Perforated Intervals: From **207** ft. to **200** ft., From _____ ft. to _____ ft.

Gravel Pack Intervals: From **207** ft. to **197** ft., From _____ ft. to _____ ft.

GROUT MATERIAL: **1 Neat cement** 2 Cement grout 3 Bentonite 4 Other _____

Grouted Intervals: From **197** ft. to **153** ft., From **181** ft. to **100** ft., From **6** ft. to **1.5** ft.

What is the nearest source of possible contamination: **Not determined**

1 Septic tank	4 Cess pool	7 Sewage lagoon	10 Fuel storage	14 Abandoned water well
2 Sewer lines	5 Seepage pit	8 Feed yard	11 Fertilizer storage	15 Oil well/Gas well
3 Lateral lines	6 Pit privy	9 Livestock pens	12 Insecticide storage	16 Other (specify below) _____
			13 Watertight sewer lines	

Direction from well _____ How many feet _____? Water Well Disinfected? Yes **No**

Has a chemical/bacteriological sample submitted to Department? Yes **No** If yes, date sample was submitted _____ month _____ day _____ year: Pump Installed? Yes **No**

If Yes: Pump Manufacturer's name _____ Model No. _____ HP _____ Volts _____

Depth of Pump Intake _____ ft. Pumps Capacity rated at _____ gal./min.

Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other _____

CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was **1** constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on **June** month **27** day **1978** year

and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. _____

This Water Well Record was completed on **Nov** month **15** day **82** year under the business name of _____ by (signature) **Patrick M. Cobb**

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
	0	3.5	silt, gray to brown			
	3.5	61	orange brown sandy silt, grained; some blue-gray clay			
	61	91	sand			
	91	106	tan clay			
	106	150	tan clay, very fine white sand			
	150	181	yellow, very fine sand			
	181	225	red mud			

ELEVATION: _____ (abbreviated log)

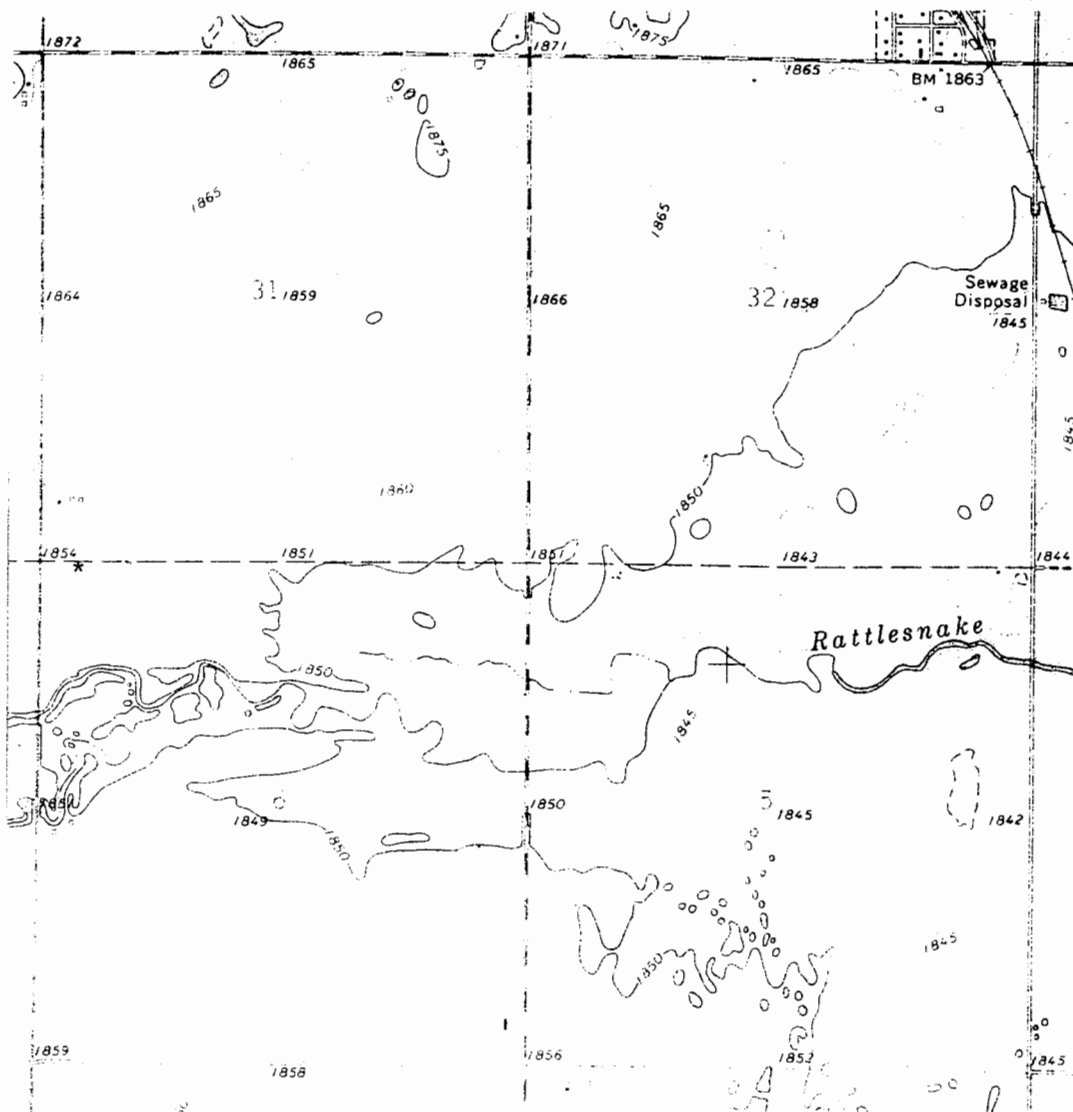
Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft. 4. _____ ft. (Use a second sheet if needed)

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, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
T
23
R
12
EW
SEC.
NE 1/4 NW 1/4 SW 1/4 SE 1/4

SITE NUMBER : 5
SITE LOCATION : NW NW NW
LEGAL LOCATION: SEC6 T23S R12W
COUNTY : STAFFORD

LANDOWNER: ALLEN LONG
ADDRESS : ROUTE 2
St. JOHN, KANSAS 67576
PHONE NO.: 316-549-3870



WELL LOCATION *

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

SITE NUMBER : 5	LEGAL LOCATION : 6-23-12W
SITE LOCATION: NW NW NW	COUNTY : STAFFORD
SAMPLING DATE: OCTOBER 1978	NUMBER OF WELLS: 5

WATER QUALITY ANALYSIS (mg./l)

	<u>WELL#1</u>	<u>WELL#2</u>	<u>WELL#3</u>	<u>WELL#4</u>
TEMPERATURE, C	<u>16.0</u>	<u>15.9</u>	<u>15.0</u>	_____
SPECIFIC CONDUCTANCE umho @ 25 deg C.	<u>85,200</u>	<u>51,700</u>	<u>693</u>	_____
pH	<u>8.4</u>	<u>7.3</u>	<u>7.5</u>	_____
CALCIUM (Ca):	<u>961</u>	<u>515</u>	<u>94</u>	_____
MAGNESIUM (Mg):	<u>409</u>	<u>242</u>	<u>7.2</u>	_____
POTASSIUM (K):	<u>49</u>	<u>21</u>	<u>4.0</u>	_____
SILICA (SiO ₂):	<u>18</u>	<u>22</u>	<u>20</u>	_____
SODIUM (Na):	<u>27,695</u>	<u>14,600</u>	<u>31</u>	_____
SAR:	<u>190</u>	<u>130</u>	<u>0.83</u>	_____
BICARBONATE (HCO ₃):	<u>152</u>	<u>223</u>	<u>224</u>	_____
CHLORIDE (Cl):	<u>41,177</u>	<u>21,719</u>	<u>92</u>	_____
FLUORIDE (F):	<u>0.6</u>	<u>0.8</u>	<u>0.3</u>	_____
NITRATE (NO ₃):	<u>1.6</u>	<u>0.3</u>	<u>11</u>	_____
ORTHO-PHOSPHATE (PO ₄):	<u>0.16</u>	<u>0.1</u>	<u>0.14</u>	_____
SULFATE(SO ₄):	<u>4184</u>	<u>2672</u>	<u>16</u>	_____
SULFIDE (S):	_____	_____	_____	_____
STRONTIUM (Sr):	<u>20</u>	<u>10</u>	<u>0.4</u>	_____

WIRE LINE LOG DATA

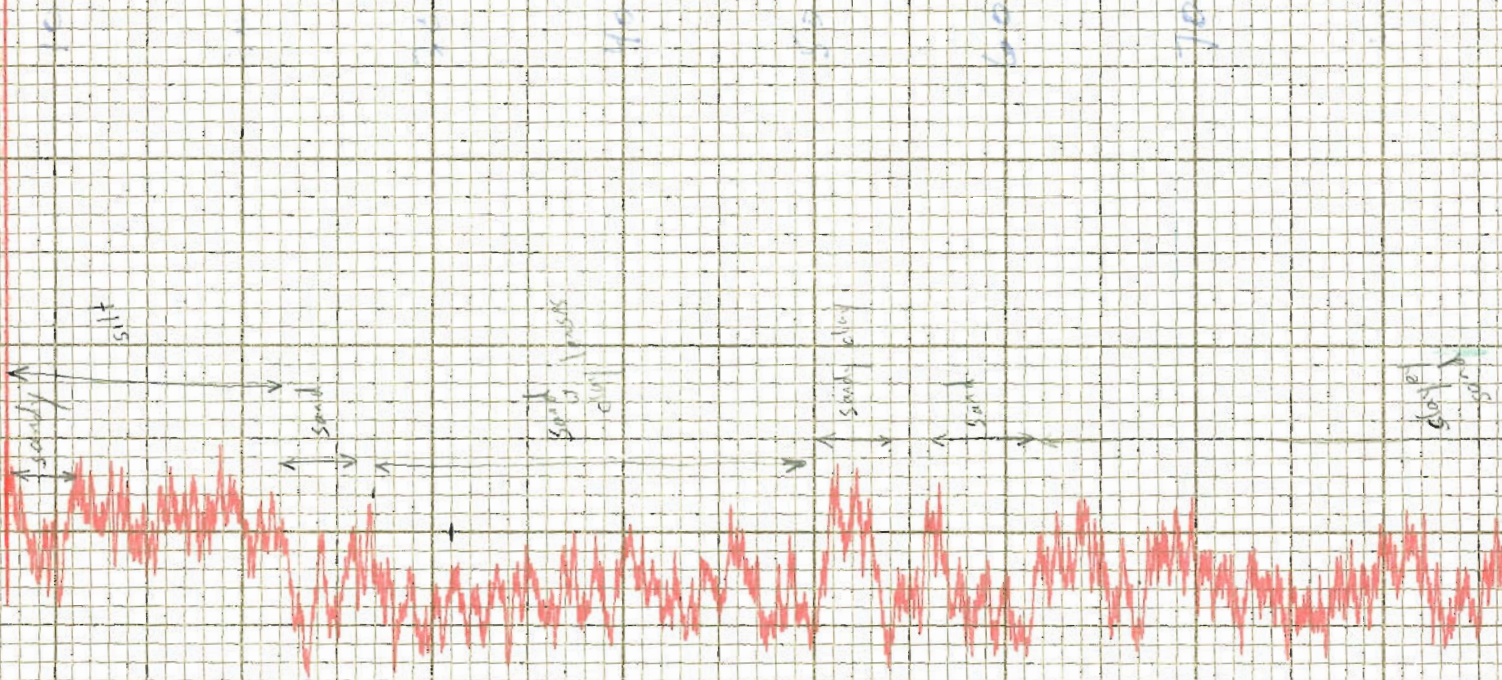
Type of Log

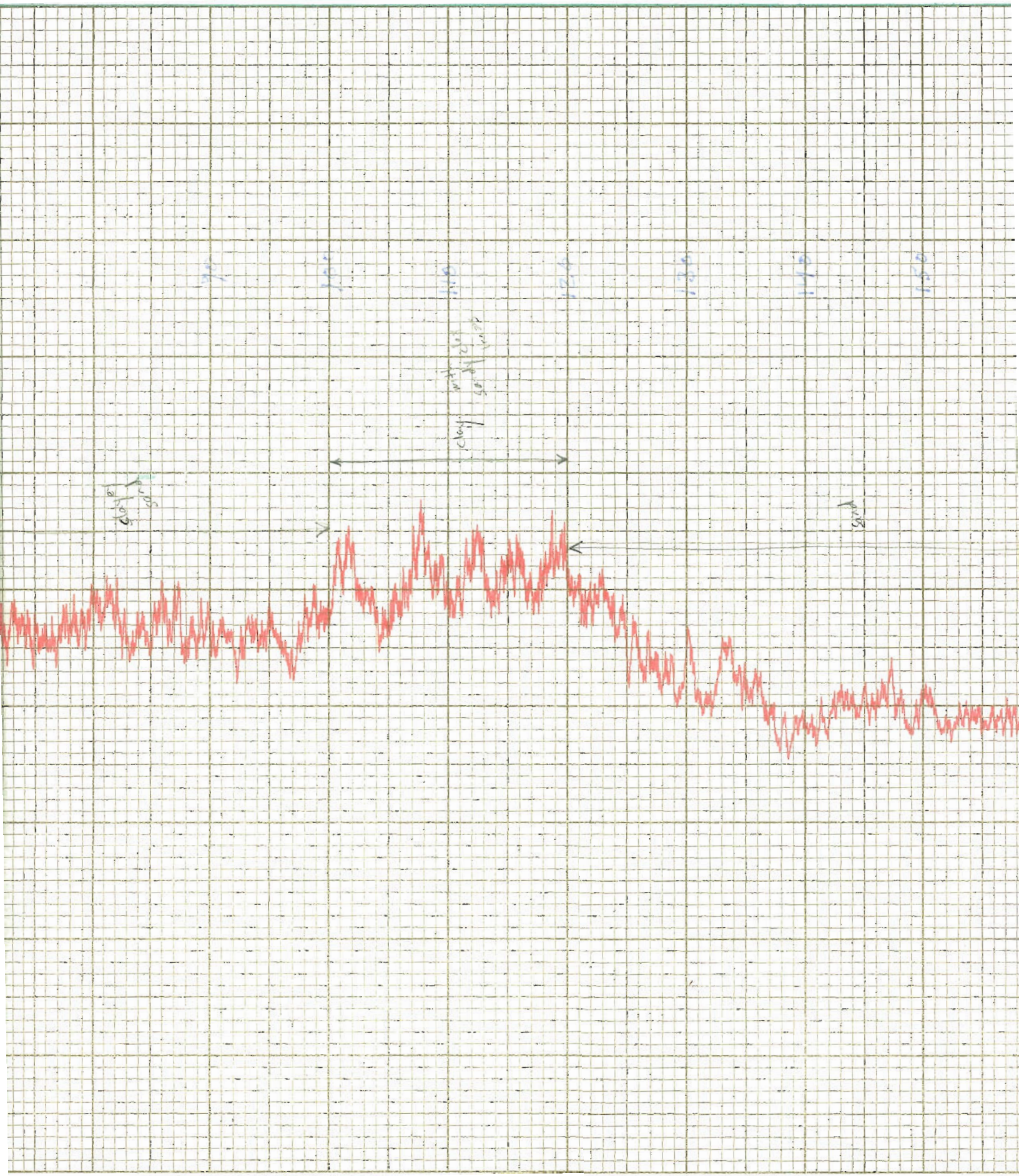
G=Gamma
C=Cond.
T=Temp.

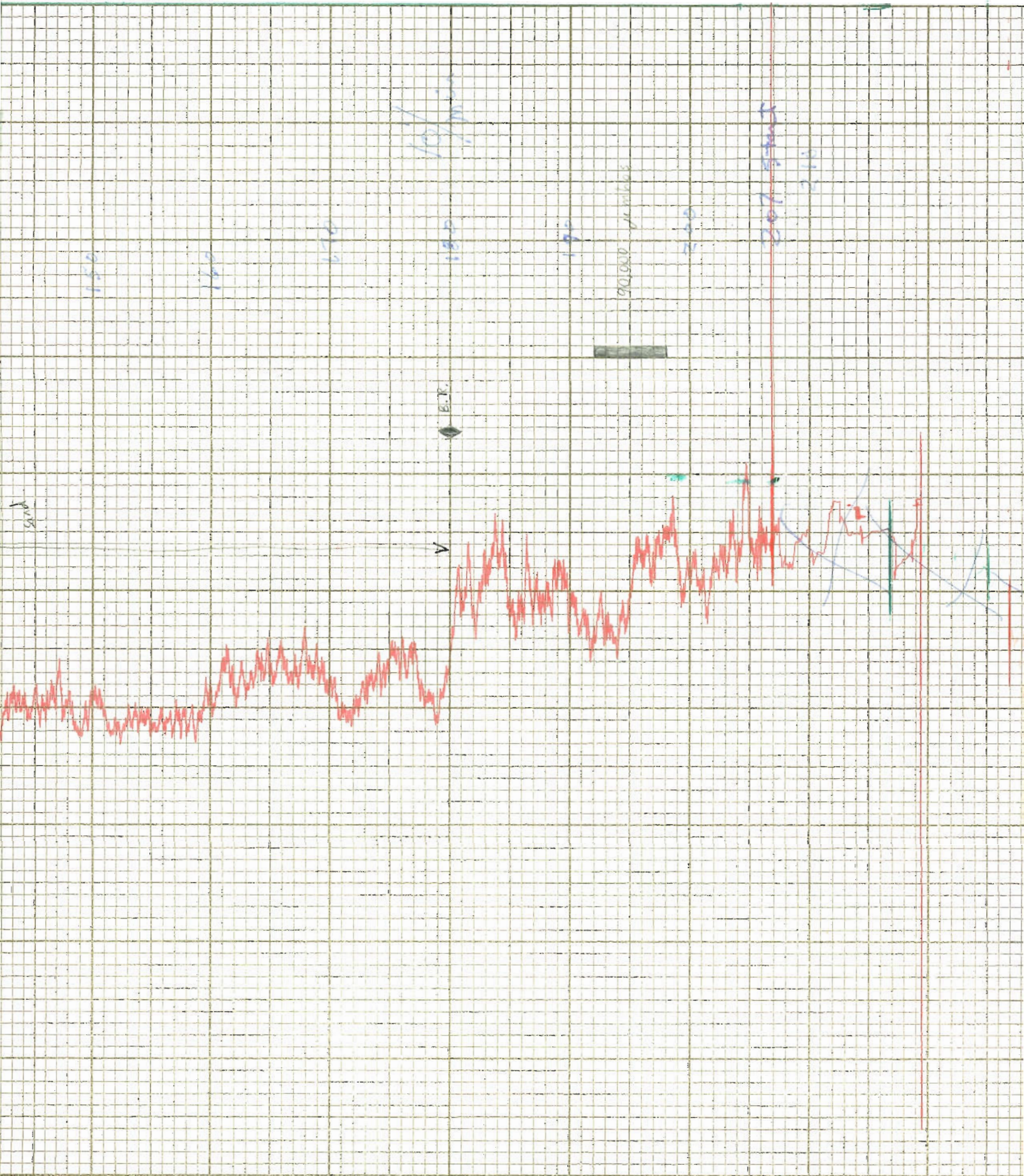
Depth of Well
From Log

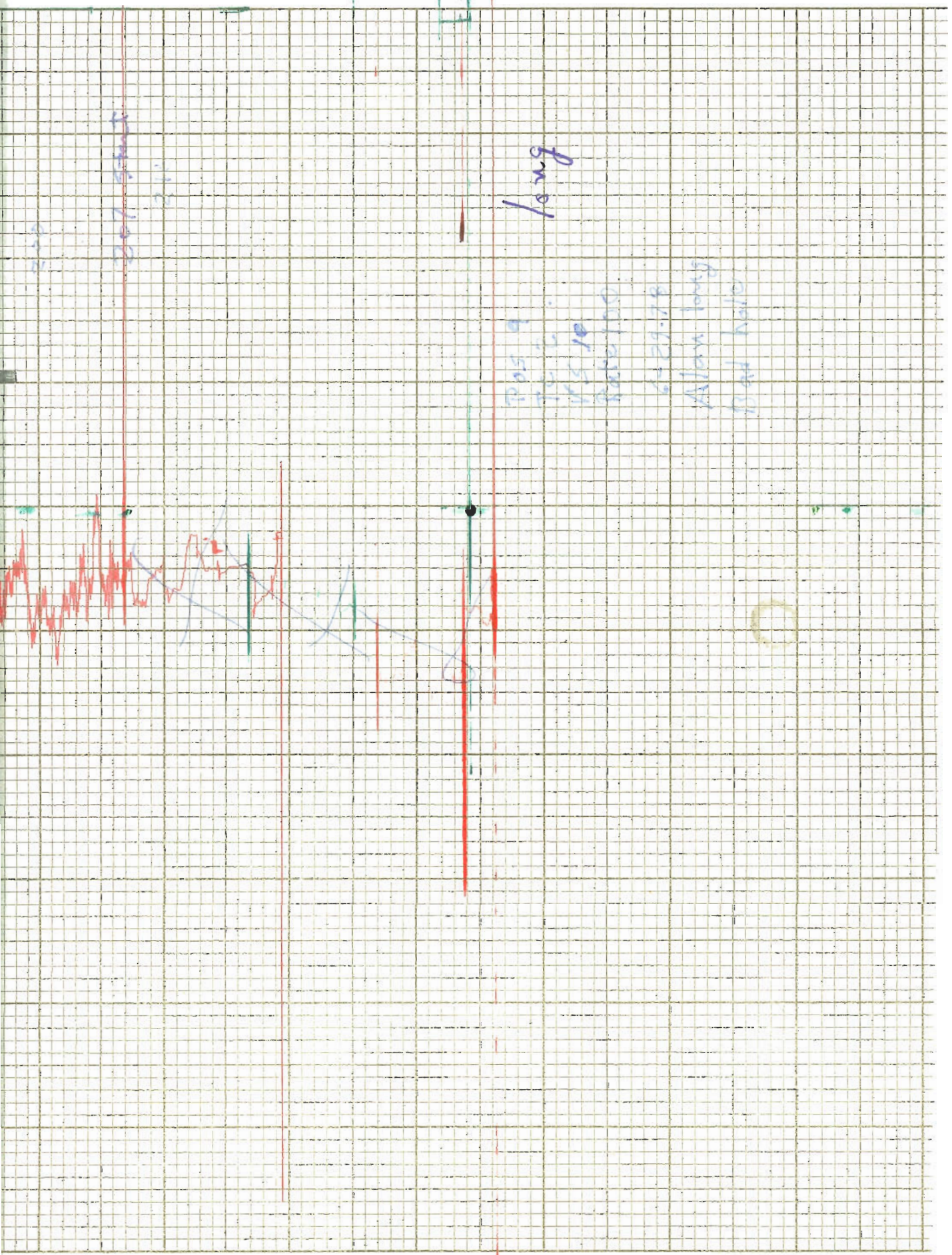
Date
Last Pumped

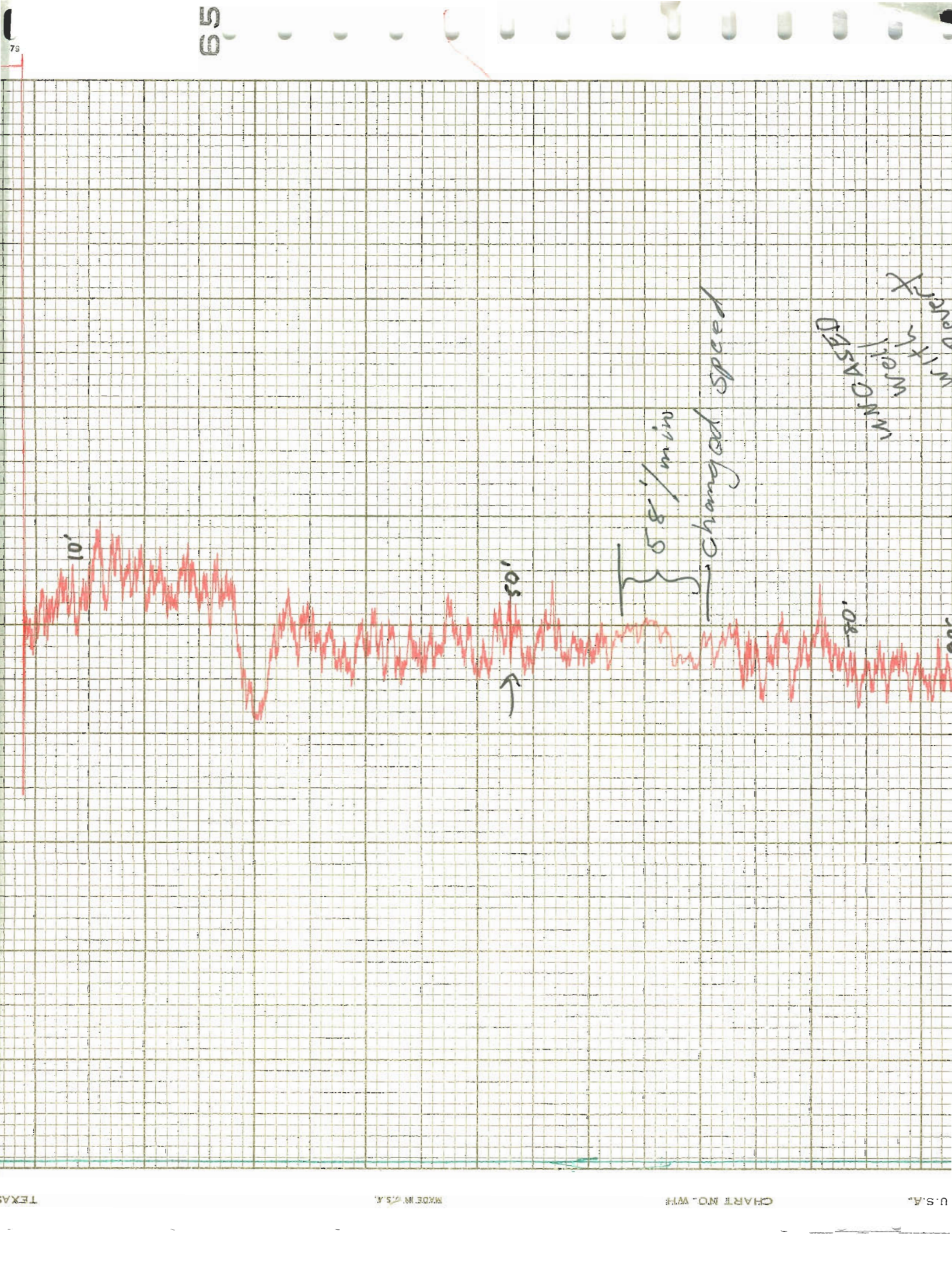
Site #	Well #	Time	Date	Type of Log	Depth of Well From Log	Date Last Pumped	Comments
5	# 1	6:40 PM	6/19/54	G	198 ft.		Started from bottom of 156.6 ft



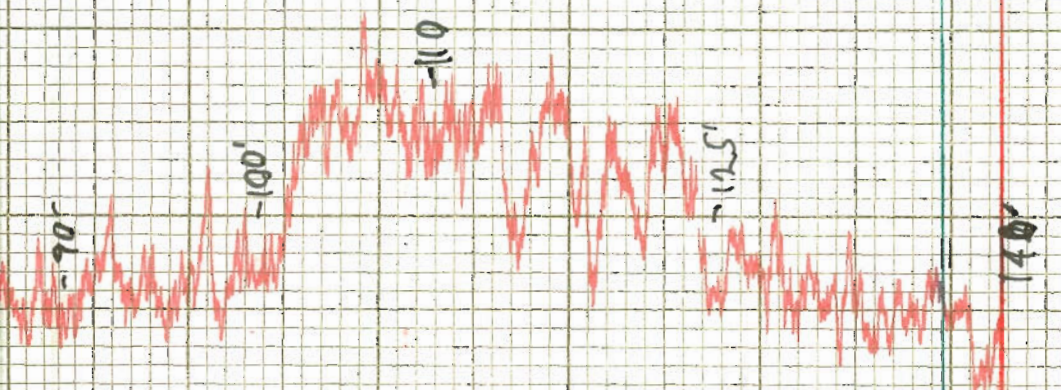






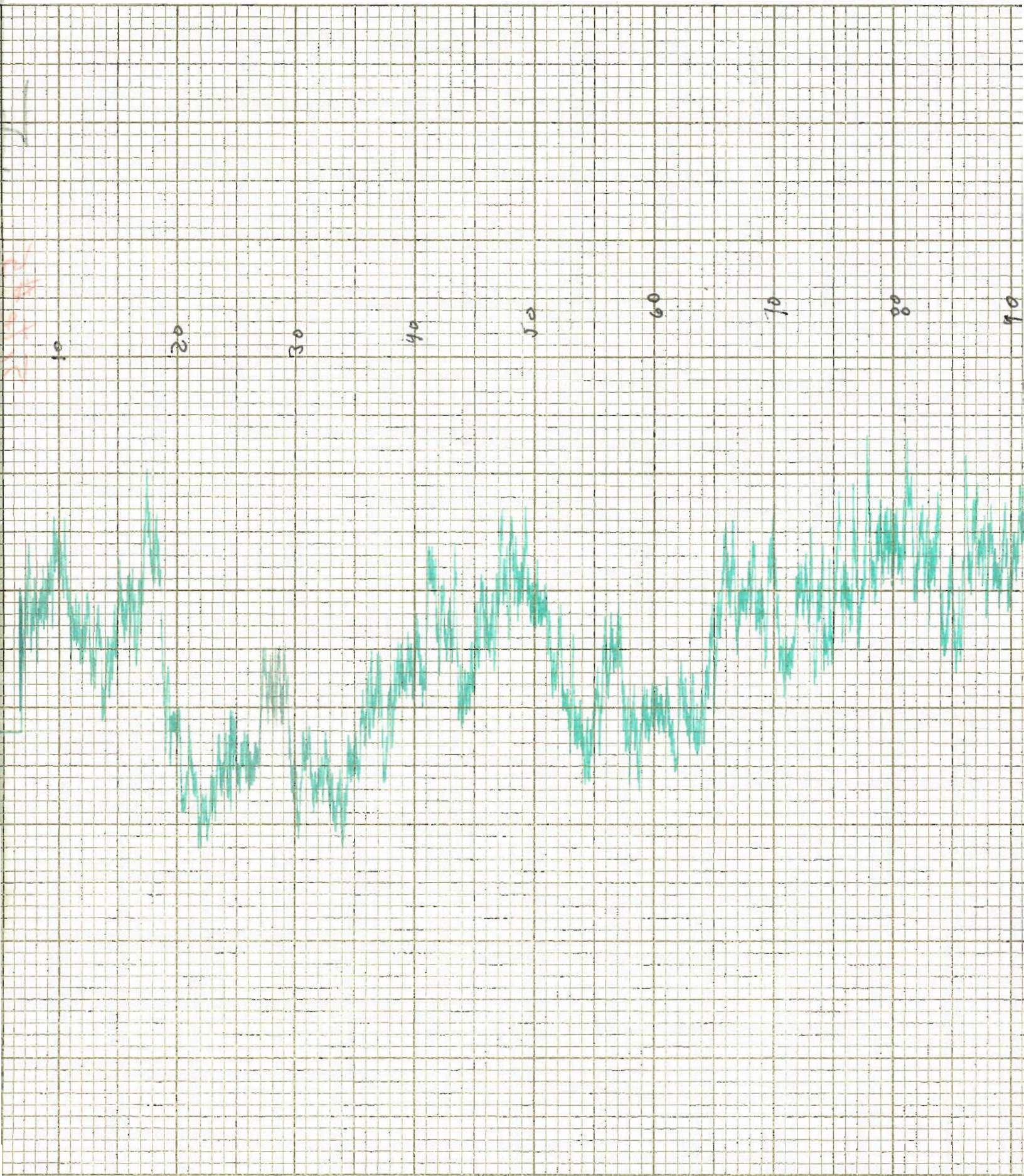


W. 17
Depth



GAMA
RATE 100
T.C. 2
Speed 10 ft/min

A. Long



22

90

100

110

120

130

140

10 1/min

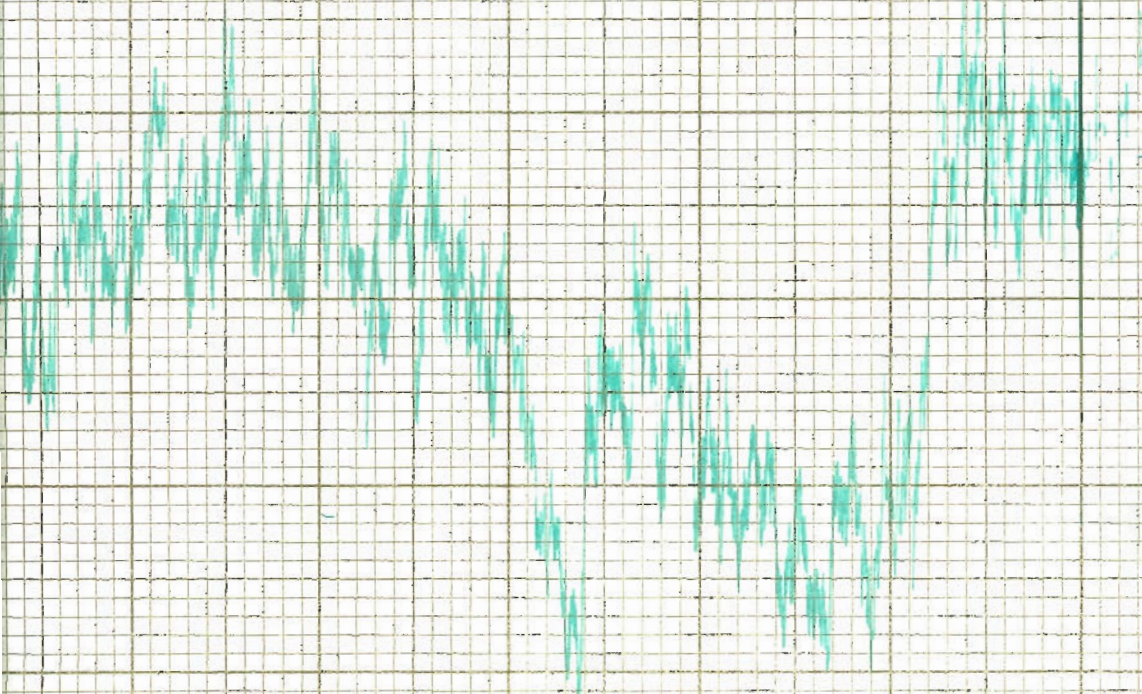
G. accuracy

Ratio 50

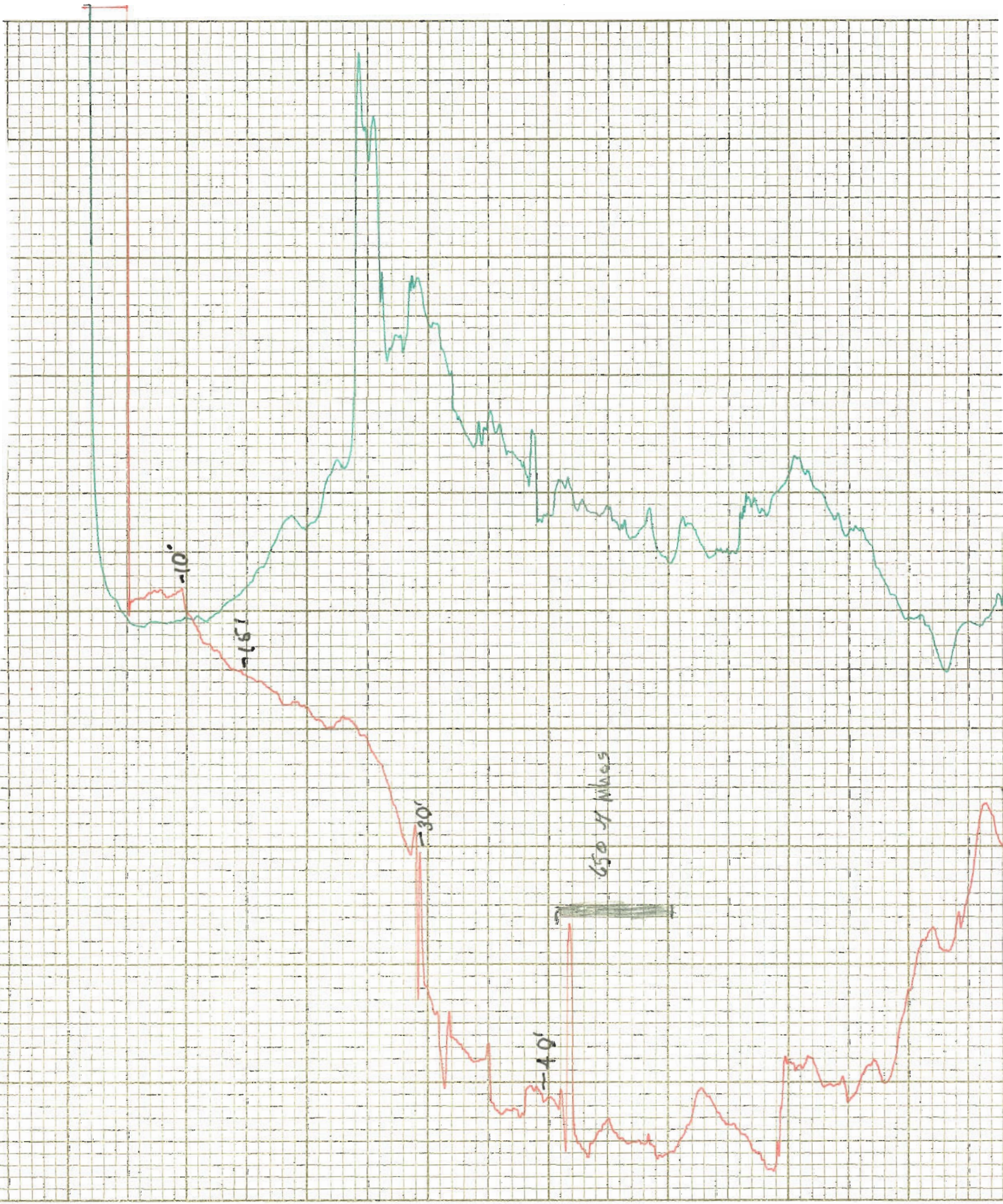
1.5 10

T/C 2

Pos 9.0



Alan Long









Alon
 10/14
 RES

SP

A. Long

Site #5



