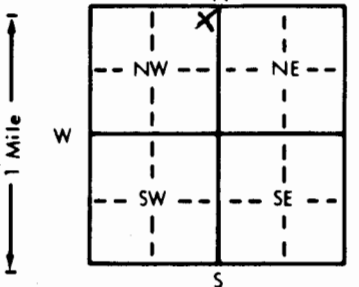


1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Stafford	NE 1/4 NE 1/4 NW 1/4	12	T 23 S	R 12 EW

Distance and direction from nearest town or city street address of well if located within city?

3 1/2 mi E, 2 mi S of Hudson

2 WATER WELL OWNER: KGS/GWMD#5	Board of Agriculture, Division of Water Resources
RR#, St. Address, Box # :	Application Number:
City, State, ZIP Code :	

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: 151 ft. ELEVATION: 1827
	Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
	WELL'S STATIC WATER LEVEL 10.98 ft. below land surface measured on mo/day/yr 3/14/1979
	Pump test data: Well water was ft. after hours pumping gpm
	Est. Yield gpm: Well water was ft. after hours pumping gpm
	Bore Hole Diameter 8 in. to 151 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 ; If yes, mo/day/yr sample was submitted
	Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED:	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued Clamped
1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)
2 PVC	4 ABS	7 Fiberglass	Welded
			Threaded
Blank casing diameter 5 in. to 146 ft., Dia. in. to ft., Dia. in. to ft.			
Casing height above land surface 13 in., weight lbs./ft. Wall thickness or gauge No. SCHD #40			
TYPE OF SCREEN OR PERFORATION MATERIAL:	1 PVC	10 Asbestos-cement	
1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)
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 146 ft. to 148.5 ft., From ft. to ft.		
	From ft. to ft., From ft. to ft.		
GRAVEL PACK INTERVALS:	From ft. to 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 50 ft. to 146 ft., From 0 ft. to 10 ft., From ft. to ft.				
What is the nearest source of possible contamination:	10 Livestock pens	14 Abandoned water well		
1 Septic tank	4 Lateral lines	7 Pit privy	11 Fuel storage	15 Oil well/Gas well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	12 Fertilizer storage	16 Other (specify below)
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	13 Insecticide storage	
Direction from well?			How many feet?	

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	16	sandy silt, reddish brown	(02)		bedrock inferred to be at 142'
16	25	same but pink, some orange ls. grvl	(02)		
25	30	same with sml amounts of lt. gray clay	(02)		
30	66	fine gravel-med. sand, arkosic	(17)		
66	79	med.-coarse sand, some lt. gray clay	(08)		
79	91	fine gravel - fine sand, arkosic	(11)		
91	106	same but w/some lt. gray clay	(35)		
106	112	same but w/yellow clay	(35)		
112	136	same w/white sand partially cemented	(35)		
136	141	same w/small amount clay	(35)		
141	142	same, small amount siltstone & chalk fragments	(35)		
142	146	red siltstone	?		
146	151	red continues	(19)		

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) June 6, 1978 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 (mo/day/yr) 3/30/83 under the business name of by (signature) Patricia M Cobb
--

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, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

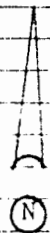
mJP

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

SITE NUMBER : 1
SITE LOCATION: NE NE NW

LEGAL LOCATION: 12-23-12W
COUNTY : STAFFORD

WELL LOG

FROM	TO	LITHOLOGIC LOG	OWNER: BRINKMAN
0	4	slightly sandy silt, brown; arkosic sand, fine to med. grained	
4	10	same, reddish silt	
10	16	same, reddish brown, some fine sand	
16	20	pinkish sandy silt, fine grained qtz.	
20	23	fine to med. qtz. arkosic, some fine ls. gravel	
23	25	same, a little coarser	
25	30	clay, light grey, small amounts; much the same	
30	31	fine gravel to med. sand; qtz. arkosic	
31	40	sugary sand; fine to medium grained	
40	44	same; more med. sand, very fine gravel	
44	47	same; black silt and light yellow clay	
47	50	slightly coarser, much the same	
50	67	much the same; becoming coarser with depth	
67	76	med. to very coarse sand, light grey clay	
76	79	same; possibly slightly more clay	
79	90	same; very fine gravel, fine to coarse sand	
90	91	slightly cemented light pink, fine sand	
91	93	some grey clay	
93	95	same; slightly coarser	
95	102	more clay; fine gravel, qtz. sand	
102	106	same; fine gravel and very coarse sand	
106	112	yellow clay and fine sand	
112	118	fine gravel to fine sand; no clay	
118	136	some white sugary, partially cemented fine gravel increase in gravel size with depth	
136	141	same; some grey and orange clay	
141	146	little bit of siltstone and chalk fragments	
146	151	red siltstone--PERMIAN	
 TD=151' 146'/3'  TD=110' 106'/4'  TD=40' 36'/4' 			

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

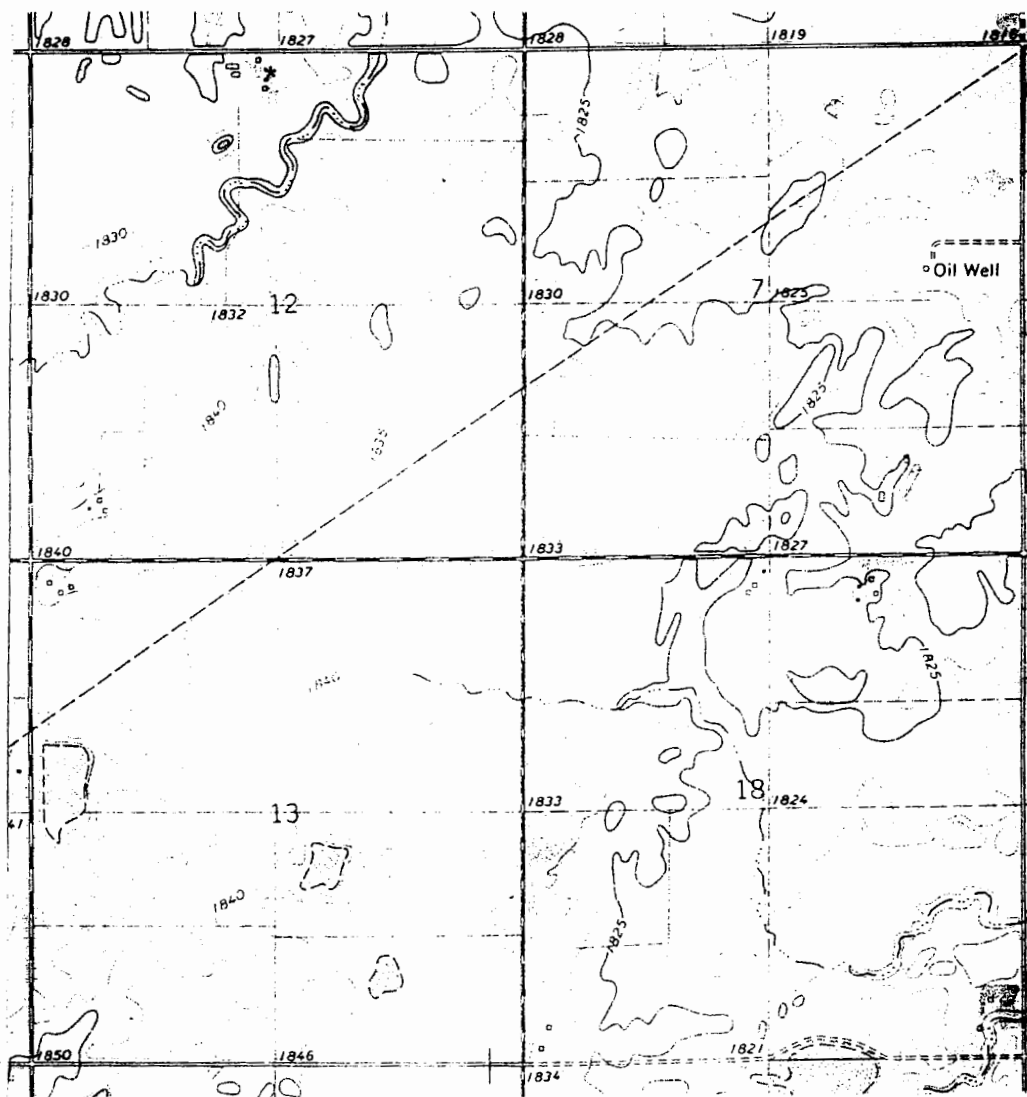
SITE NUMBER : 1	LEGAL LOCATION : 12-23-12W
SITE LOCATION: NE NE NW	COUNTY : STAFFORD
SAMPLING DATE: OCTOBER 1978	NUMBER OF WELLS: 3

WATER QUALITY ANALYSIS (mg./l)

	<u>WELL#1</u>	<u>WELL#2</u>	<u>WELL#3</u>	<u>WELL#4</u>
TEMPERATURE, C	<u>15.3</u>	<u>15.0</u>	<u>14.3</u>	<u> </u>
SPECIFIC CONDUCTANCE umho @ 25 deg C.	<u>33,600</u>	<u>6700</u>	<u>397</u>	<u> </u>
pH	<u>7.2</u>	<u>7.4</u>	<u>7.6</u>	<u> </u>
CALCIUM (Ca):	<u>390</u>	<u>103</u>	<u>59</u>	<u> </u>
MAGNESIUM (Mg):	<u>165</u>	<u>32</u>	<u>4.7</u>	<u> </u>
POTASSIUM (K):	<u>14</u>	<u>4.6</u>	<u>2.5</u>	<u> </u>
SILICA (SiO ₂):	<u>22</u>	<u>21</u>	<u>19</u>	<u> </u>
SODIUM (Na):	<u>8974</u>	<u>1387</u>	<u>18</u>	<u> </u>
SAR:	<u>96</u>	<u>31</u>	<u>0.61</u>	<u> </u>
BICARBONATE (HCO ₃):	<u>202</u>	<u>223</u>	<u>203</u>	<u> </u>
CHLORIDE (Cl):	<u>13,268</u>	<u>2060</u>	<u>12</u>	<u> </u>
FLUORIDE (F):	<u>0.6</u>	<u>0.4</u>	<u>0.5</u>	<u> </u>
NITRATE (NO ₃):	<u>15</u>	<u>19</u>	<u>18</u>	<u> </u>
ORTHO-PHOSPHATE (PO ₄):	<u>0.14</u>	<u>0.65</u>	<u>0.27</u>	<u> </u>
SULFATE(SO ₄):	<u>1693</u>	<u>234</u>	<u>9.7</u>	<u> </u>
SULFIDE (S):	<u> </u>	<u> </u>	<u> </u>	<u> </u>
STRONTIUM (Sr):	<u>7.1</u>	<u>1.3</u>	<u>0.2</u>	<u> </u>

SITE NUMBER : 1
SITE LOCATION : NE NE NW
LEGAL LOCATION: SEC12 T23S R12W
COUNTY : STAFFORD

LANDOWNER: ARTHUR BRINKMAN
ADDRESS : 401 SOUTH UNION
STAFFORD, KS. 67578
PHONE NO.: 316-234-5976



WELL LOCATION *

WIRE LINE LOG DATA

Type of Log

G=Gamma

C=Cond.

T=Temp.

Date

Last

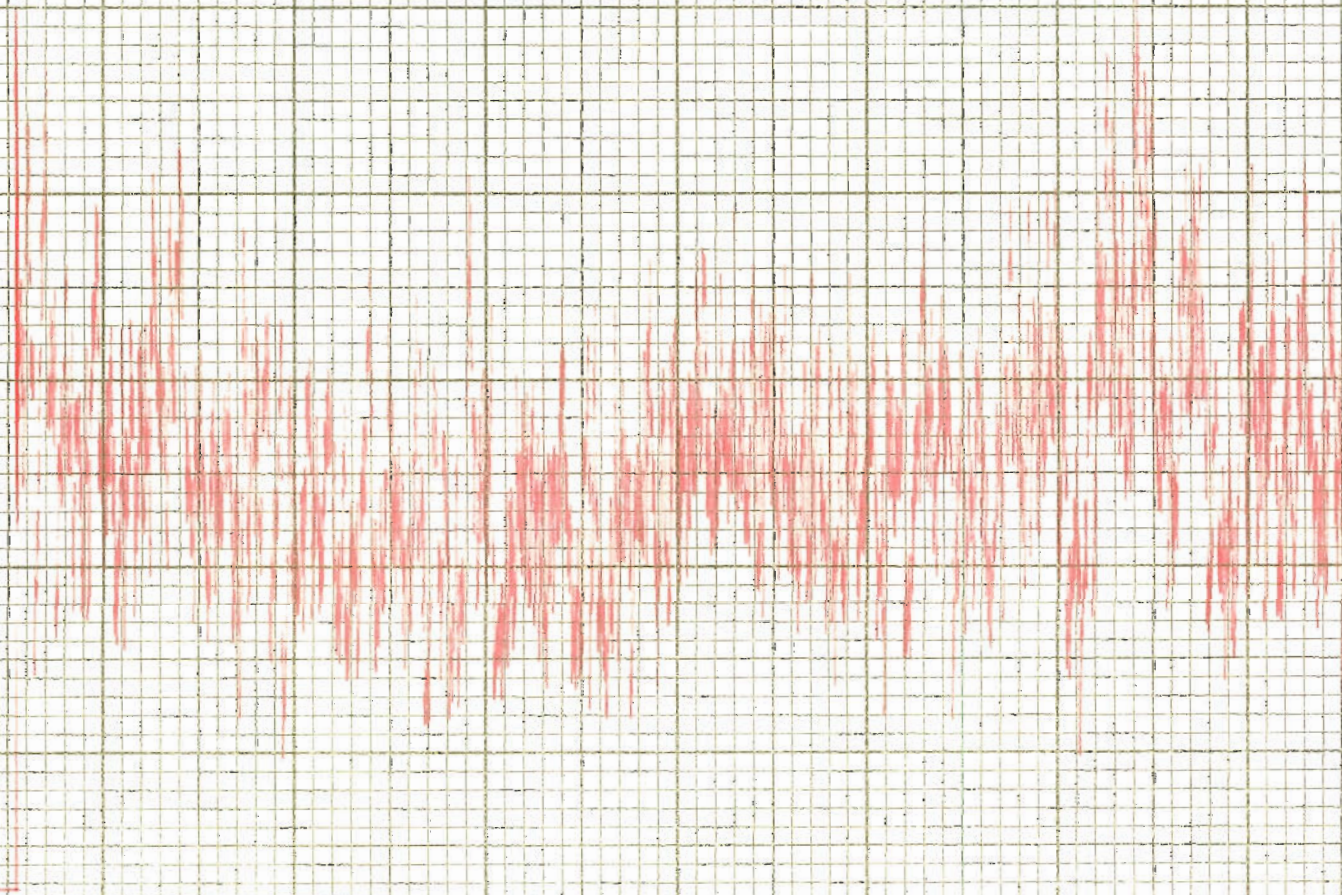
Pumped

Comments

Site # Well # Time Date

Depth of Well
From Log

1	1	4:50 P.M.	6/19/84	C	151 ft.		Started from water table of 9.8 ft. to the bottom of 133.4 ft.
1	1	5:30 P.M.	6/19/84	G	151 ft.		The logger actually started from bottom of 132.0 132.0 ft.
							Reddish Brown mud on bottom of log



10 23-12-12 BAAI

51000

20

30

40

50

60

70

6-7-78

Quich-Gal

60

6-7-73

70

Point - Cal

6-7-73

80

80

RATE 50

90

V B 10

205-12-7

100

TC 1

Quick Cal

110

120

130

140

6-7-73
5-2-2-100

8-17-05

MADE IN U.S.A.

Site #1

5/00
23-12-12 BAA2



TD - log 110
hole 126
SP-RES

1-10
10
20

40

50

60

70



WADIA

SP - 5-11-11

~~Quadrant~~ Red

T23 R12 512 BAA1

6-7-78 10

Pos 11

Rate 5000

V5-10

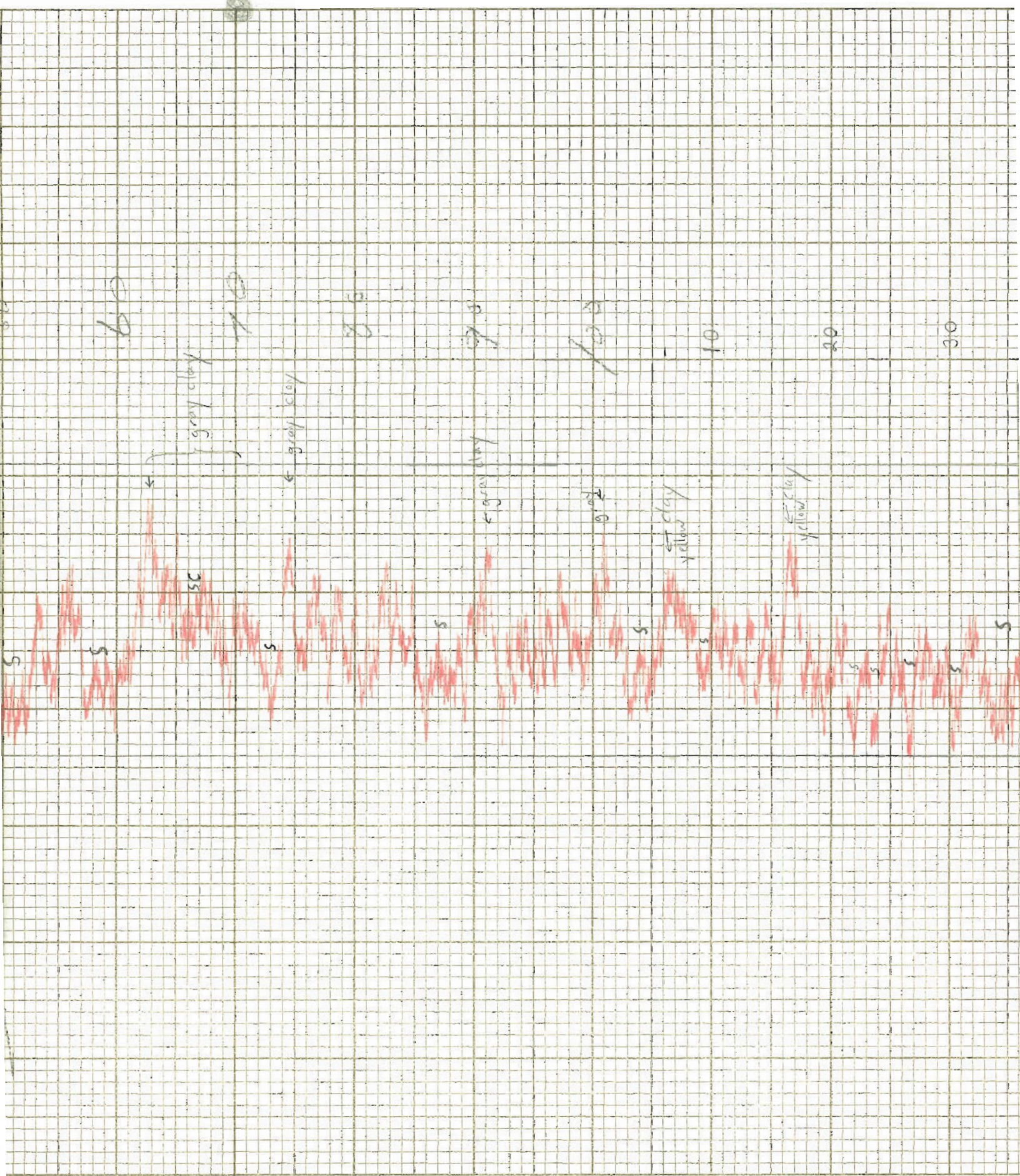
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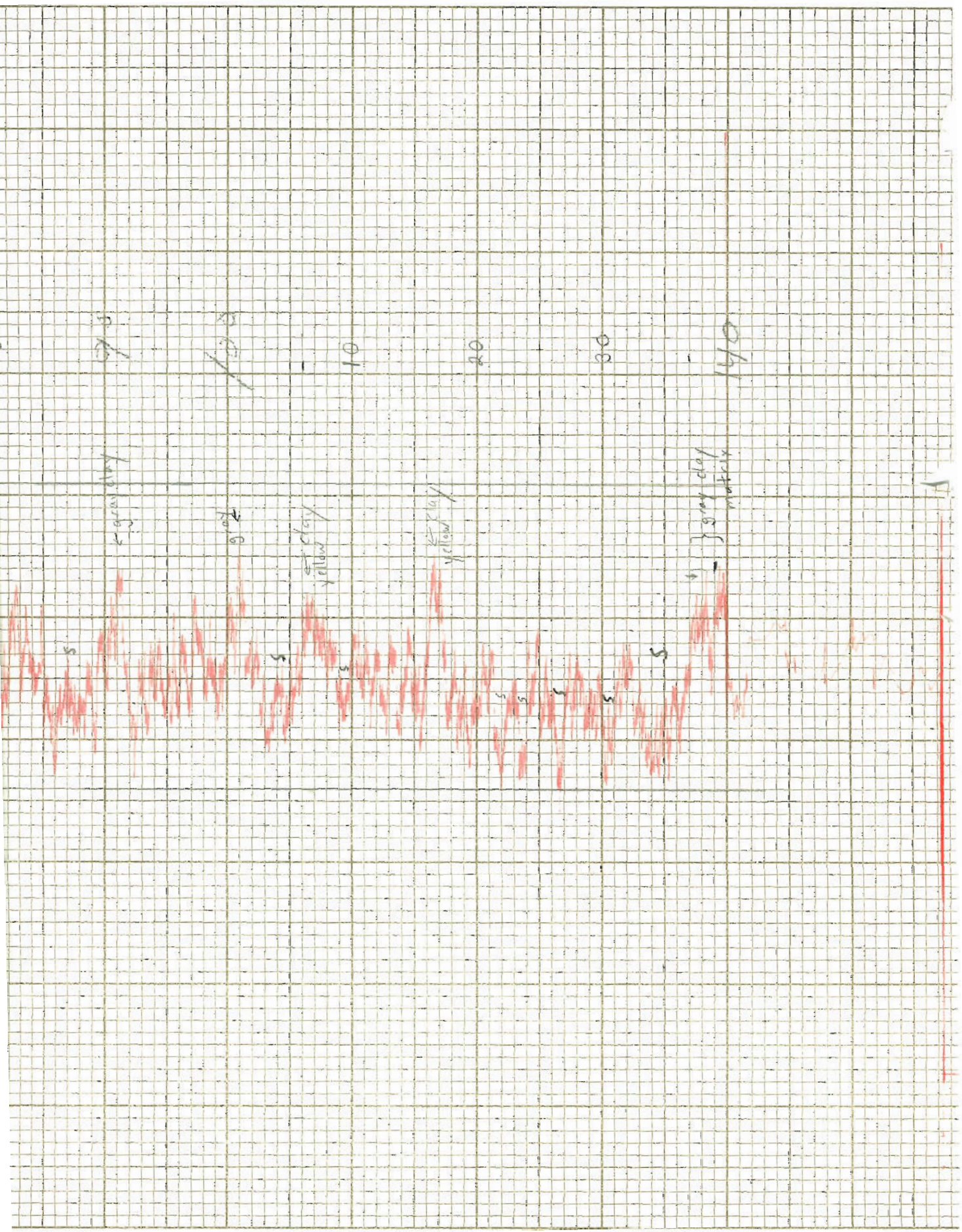
Pos

140

50

Quadrant





23-12-12 B A 2

5/50m

5

10

6-7-18

Gamma

Rate 50

V. S 10

TC 2

Pos 7.11

Revert

20

30

40

50

60

70

80

