

Randall Kilian  
Geologist



Certified Petroleum  
Geologist #3351

P.O. Box 26  
Hays, Kansas 67601-0026  
Phone: 785-625-5601  
Fax: 785-625-8408

## GEOLOGIST'S WELL REPORT

COMPANY PROSPECT OIL & GAS, INC. (6627)

WELL West Beaver Creek #2

FIELD Hall-Gurney

LOCATION (legal) Ad W/2 SW SW

(630' FSL & 330' FWL)

Section 29 TWP 15S RGE 12W

(Map) 5½ mi N & 1½ mi W of Beaver, Ks.

COUNTY Russell STATE Kansas

ELEVATION: 1885' K.B., 1878' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-167-23,782

GEOLOGY BY Brad Hutchison  
Randall Kilian

# PERTINENT WELL DATA

CONTRACTOR Royal Drilling, Inc. (33905)

RIG #2 HYDRAULICS D-375 6x14x60  
(Doug Budig TP)

DRILL PIPE 4 $\frac{1}{2}$ " X-H COLLARS 6 $\frac{1}{2}$ "

CASING: SURFACE 8 5/8" @ 562' w/ 250 sx Common

PRODUCTION 5  $\frac{1}{2}$ " @ 3420' w/ 180 sx Common  
PC below salt

DRILLING FLUID: COMPANY Mud-Co/Service Mud, Inc.  
(Gary Schmidtberger)  
TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc.  
(Jim Svaty)  
NUMBER OF TESTS One (1)

ELECTIC LOGS: COMPANY Pioneer Log-Tech Inc.

DETAIL (5") 2600' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 2650' TO RTD

SAMPLE TIME FROM 2650' TO RTD

SUPERVISION FROM 2650' TO RTD

VERTICAL DEVIATION  $\frac{1}{2}$ ° @ 562', 1 $\frac{1}{2}$ ° @ 3025'

PLUGGING REPORT 30 sx Rat 15 sx Mouse

RESERVE PIT 600 bbls, Chl. 72,000

# DAILY REPORT

DATE:	7 a.m. Depth	RIG ACTIVITY
3-24-12		MTRU, Spud
3-25-12	562'	Running surface casing
3-26-12	1441'	Drilling salt & shale
3-27-12	2361'	Drilling shale & lime
3-28-12	3007'	Drilling Toronto lime
3-29-12	3275'	Drilling LKc lime
3-30-12	3420'	TD. Logged, Run casing

# DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	Tor. 2965- 3025'	124# 60# 30"	388#  30"	80# 80# 60"	623#  60"	1458# 1387#	GTS 181' M,G,Oil
2							
3							
4							
5							
6							
7							
8							

Displaced  
LCM 1/2#  
#4566

### MUD RECORD

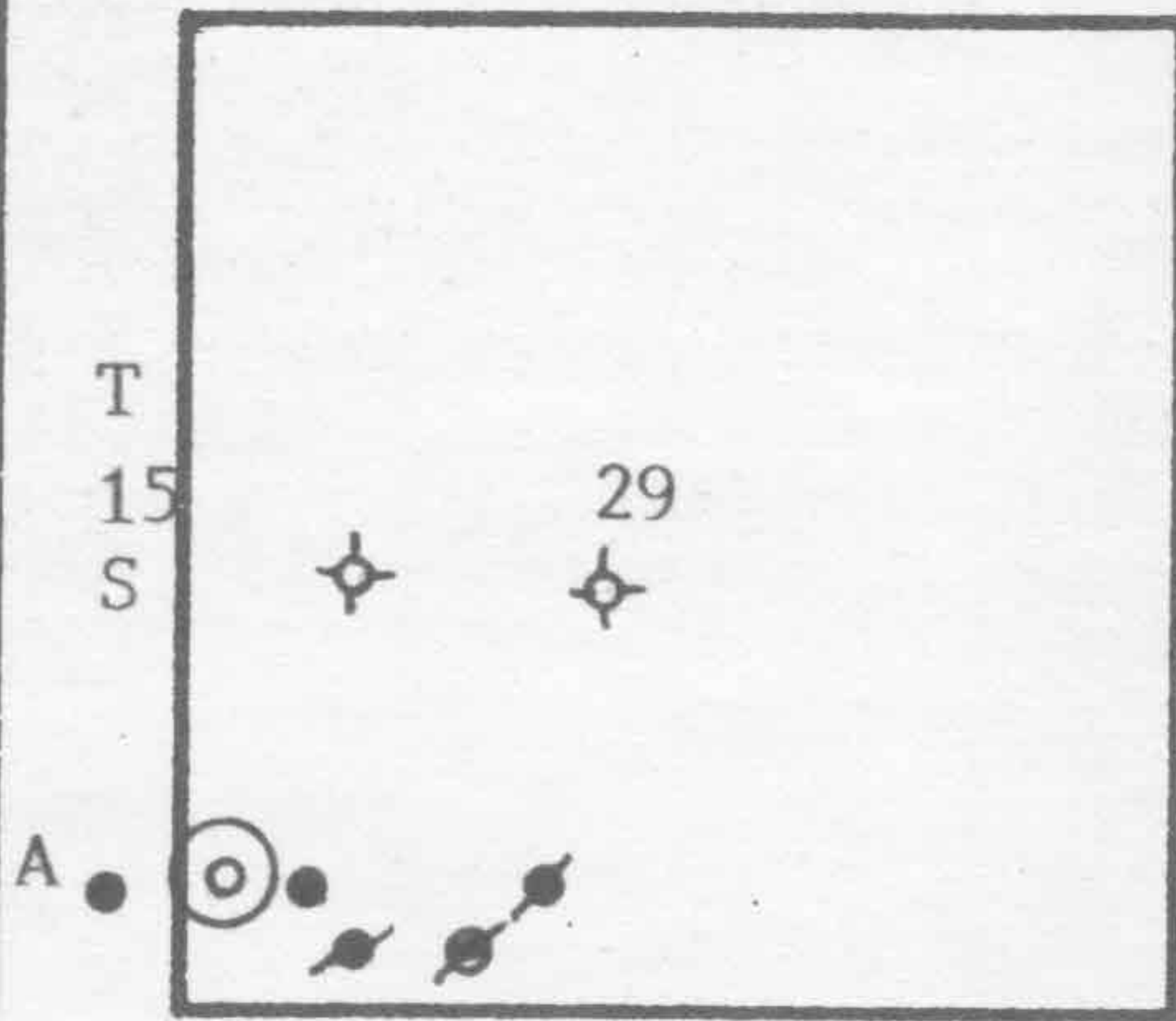
CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2901'					
2	3025'	9.0	52	8.8	4.3k	18
3	3296'	9.4	61	8.8	5.4k	21
4						
5						
6						
7						
8						
9						
10						
11						

### BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH	FEET	HOURS
1	12 1/4"	JZ	RR	562'	562'	10 1/4
2	7 7/8"	JZ	QX20J	3420'	2858'	68 1/4
3						
4						
5						
6						
7						

# FORMATION TOPS & STRUCTURAL GEOLOGY

R 12 W



**REFERRED TO:**

- A: BEREXCO, LLC  
Lang NCR#6 E/2 SE SE 30
- B: \_\_\_\_\_
- C: \_\_\_\_\_
- D: \_\_\_\_\_
- E: \_\_\_\_\_

STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	817'	819'	+1065	+1072				
Base	851'	849'	+1036	+1042				
Topeka	2696'	2696'	- 811	- 805				
Heeb. Sh.	2972'	2972'	-1087	-1084				
Toronto	2988'	2989'	-1104	-1103				
Brown Lm.	3058'	3058'	-1173	-1170				
Lansing	3071'	3066'	-1181	-1177				
BKc.	3312'	3312'	-1427	-1423				
Arbuckle	3342'	3343'	-1458	-1450				
TD	3420'	3422'	-1537	-1516				

Pipe strap .59' short.

\*Structural position of subject well as compared to referred well.

## SUMMARY

The West Beaver Creek #2 well was drilled with Royal Drilling tools rig #2 beginning 3-24-12 and drilling was completed 3-30-12.

The drill site was a development offset to Berexco LLC Lang NCR 6 well which at the time of drilling was producing 240 BO/D primarily from the LKc Group. The WBC #2 was drilled to protect PO&G acreage from LKc drainage by Berexco.

The well ran 1-8' low structurally. Several zones in LKc on Berexco did not develop in WBC #2 but several zones additionally did develop. A positive DST was run over the Toronto zone.

Based upon all data, 5½" casing was set and cemented to further test and produce the well.

Recommended perfs; LKc J 3237-42', H 3201-05', G 3149-51', C 3095-3101', B 3072-76', Toronto 2990-96', Later Arb. 3349-52'.

Respectfully,

*Randy*

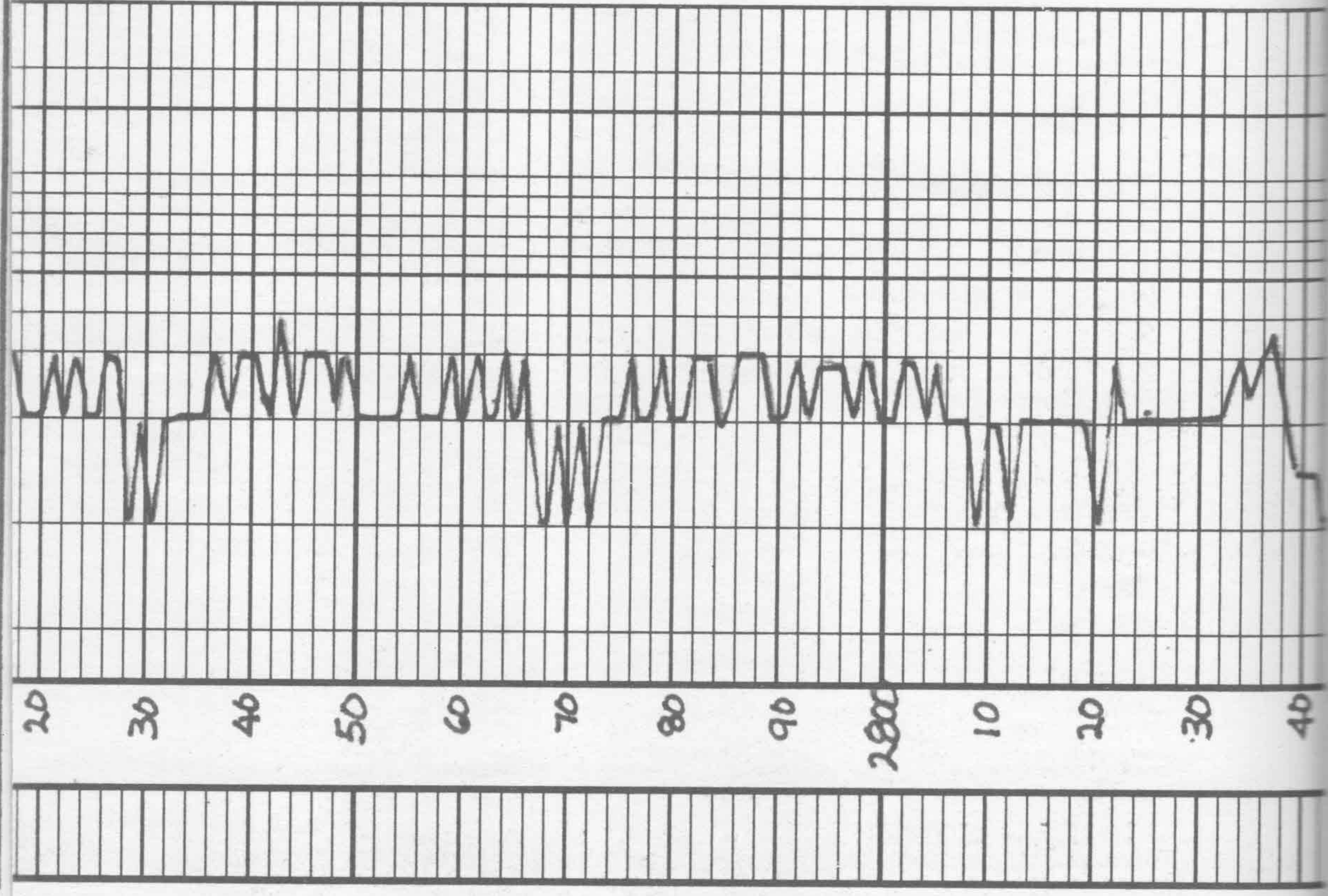
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LEGEND

	Anhydrite
	Salt
	Sandstone
	Shale
	Carb sh
	Limestone
	Ool.Lime
	Chert
	Dolomite

LITHOLOGY	DEPTH	DRILLING TIME Logarithmic Scale)	SAMPLE DESCRIPTIONS	REMARKS
		.5		
		1		
		2		
		3		
		4		
		5		
		10		
		15		
		20		
		25		
		30		
	70			
	80			
	90			displaced @ 250'
	2700			LOPERK 260% (-811)
	10		15 LT GY DBE HIGHLY FOSS gray chunky ls...	
			LS A.A	

SH GRAY - BLK  
LS C.B.M - WHT C.M.WAY  
LS DA inc pore gra  
IR CARR FOSS - OOL  
IR Boney = GRAY Δ N9  
LS GRAY FOSS dse  
ABUND dirty GRAY chaux  
AA  
SH GRAY MICA  
SH BLK CABB  
LS BUFR - LT GRAY  
SL FOSS  
SH GRAY





LS LT 917 - IN FOLK  
HIGHWAY ROADWAY

LS AA W/ TR GY A

INC W/IT CHALKY LS

SH BLK CARBON,

LS DIRTY GY K256

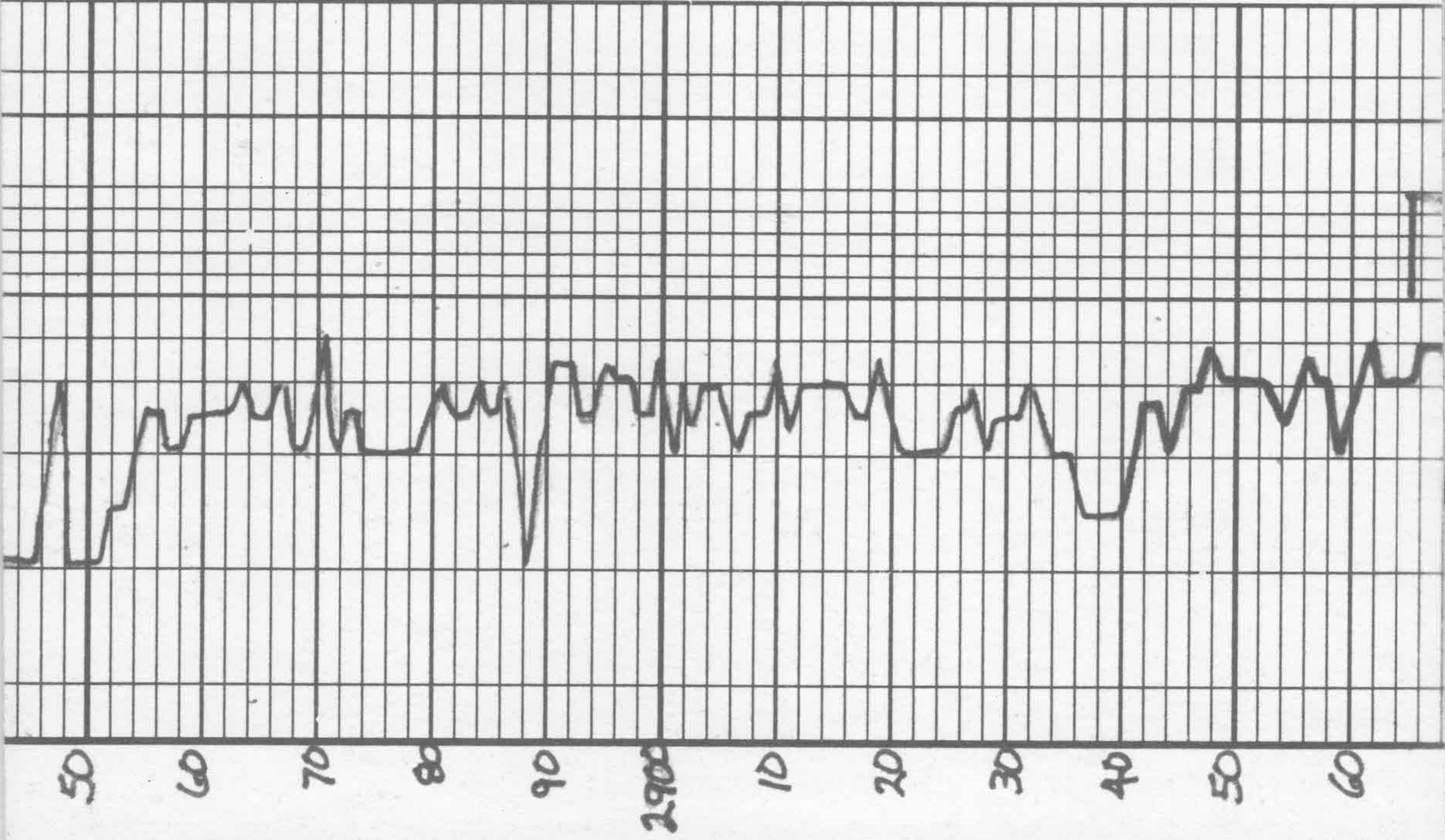
AA

LS GRM - WHT FLY - CHALKY  
TR SPT PR PP & IR SPT 1-7  
SIN NEO OR odor

INC GRM - WHT CHALKY  
H.S.

LS BUFE DSE EDXL

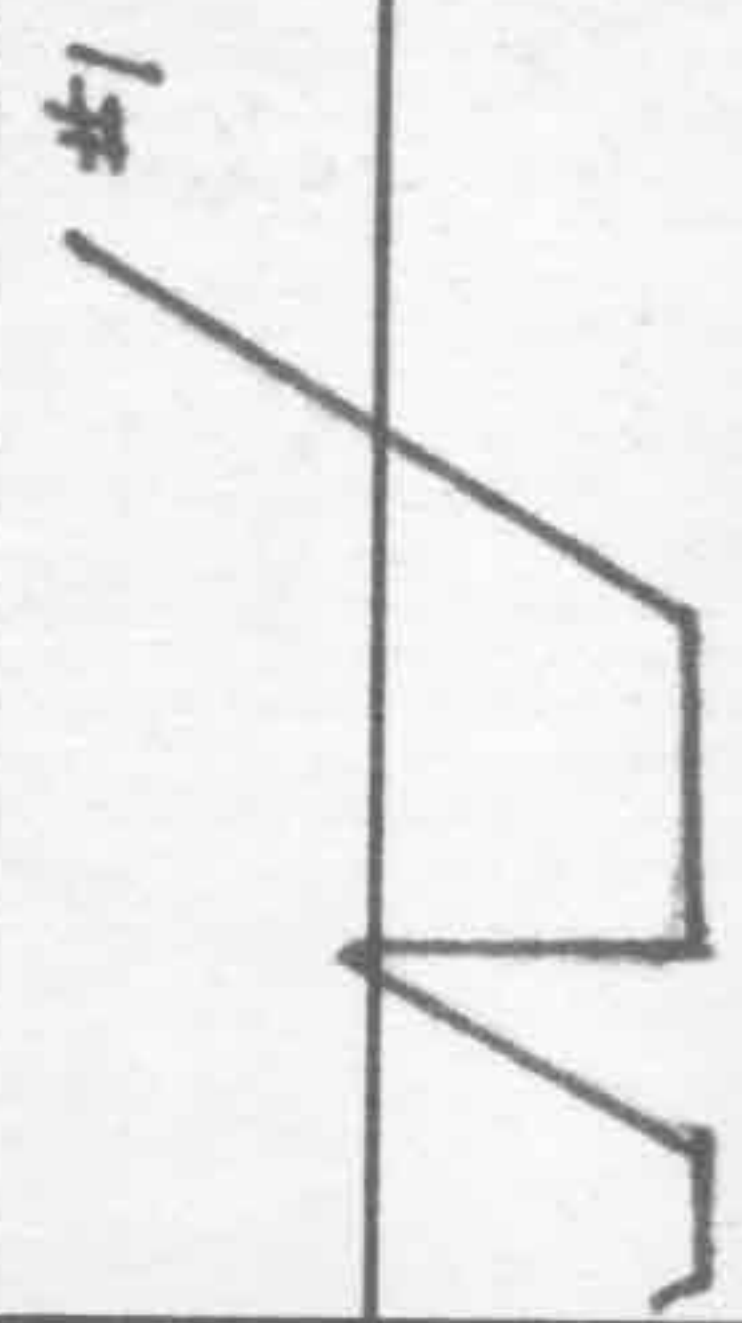
AA W/ STAINERS RED  
SH,



HEFFNER 2972 (-1087)

TORONTO 2988 (-1103)

DSI # 1701  
2965-3025'  
30' 30" 60' 60"  
G.T.S.  
181 G.M. Oil  
F.P. 124-60, 80-80<sup>M</sup>  
S.I.P. 388-632#  
Stmp .59' short  
dev 1/4°



Mud  
Vis. - 52 V.P. - 18  
wt. - 9.0 chl. - 4.3K  
wl. - 8.8 hcm. - 1/2#

Lansing

sh. blk carb  
sh. pale gry gumb  
Dolo Fract - buff fr. sh. md  
sh. blk carb  
sh. blk carb (gassy) fr. odor

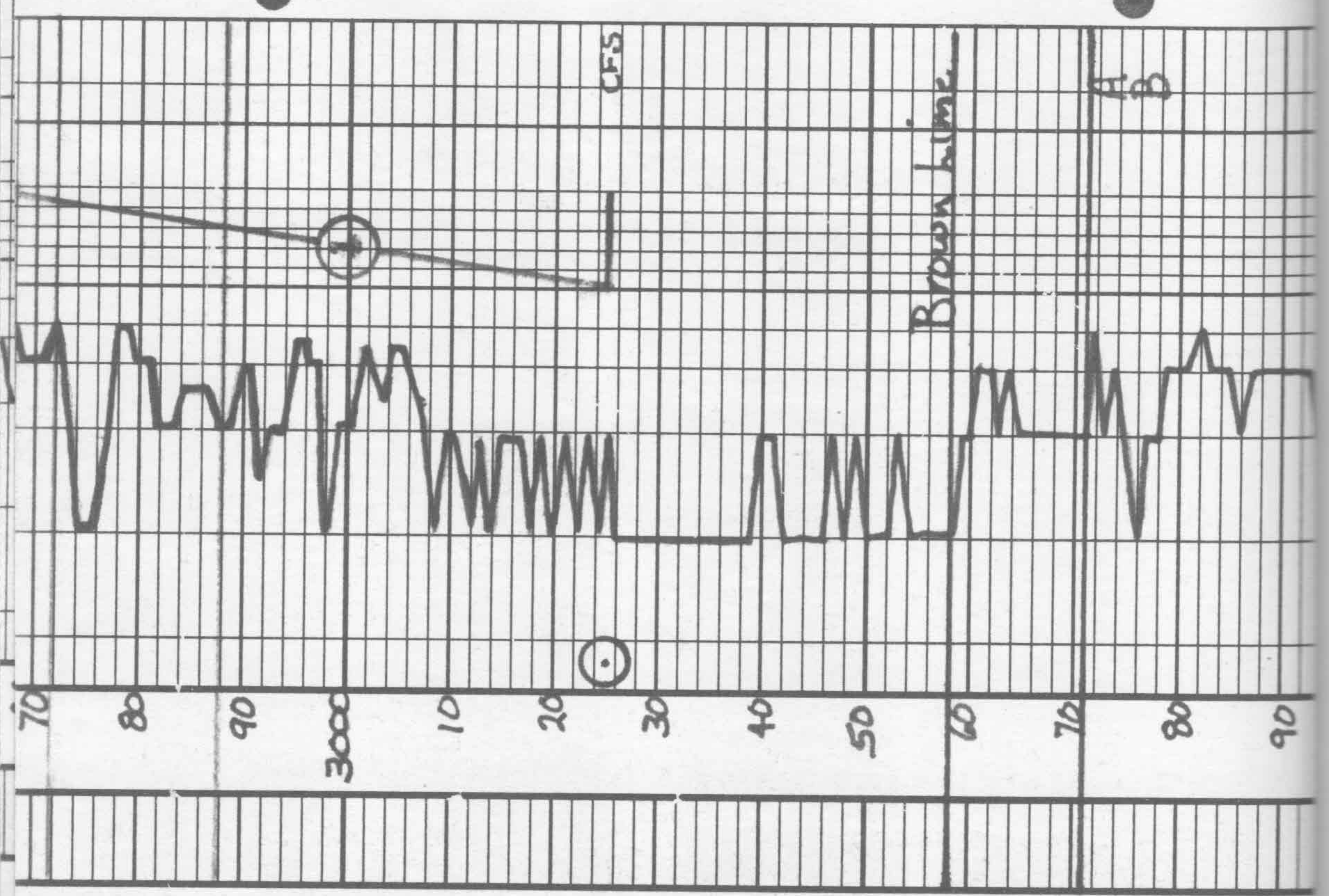
sh. stst - gry - brn - lt gry - gen.

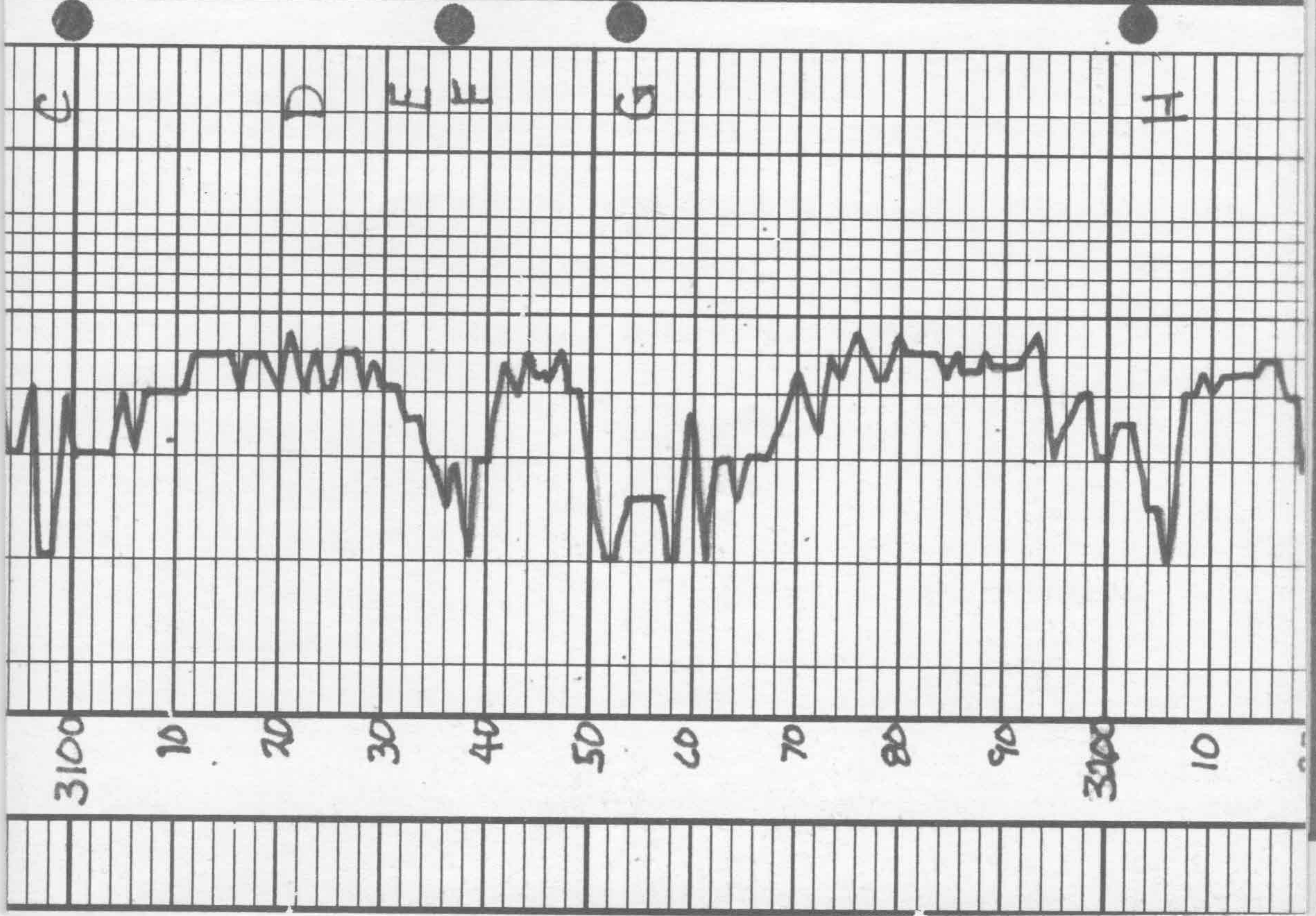
sh. stst gla

LS - off wh - tan - fn. xln.

LS - tan - fn. xln. ool w/ fr.  
good interpart of qum  
o/l st. sat. 560, fr. odor.

LS - off wh - tan - fn. xln. fossil,  
ool, st. chalky, sh. d.





ls-tan-fn. xln. od w/ poor-  
fr. interpart. & com. of  
barren-st. sat. SF, fr. odor.

sh. gry.

ls-offwh-tan-fn. xln. fossil,  
ool, sl. chalky. sl. d.

sh. gry.

ls-offwh-tan-fn. xln. fossil,  
w/ sst. water part. of ool. st.  
sl. sfo, fr. odor. pyrite

ls-tan-fn. xln. od w/ poor-  
fr. interpart. & com. of  
barren-st. sat. SF, fr. odor.

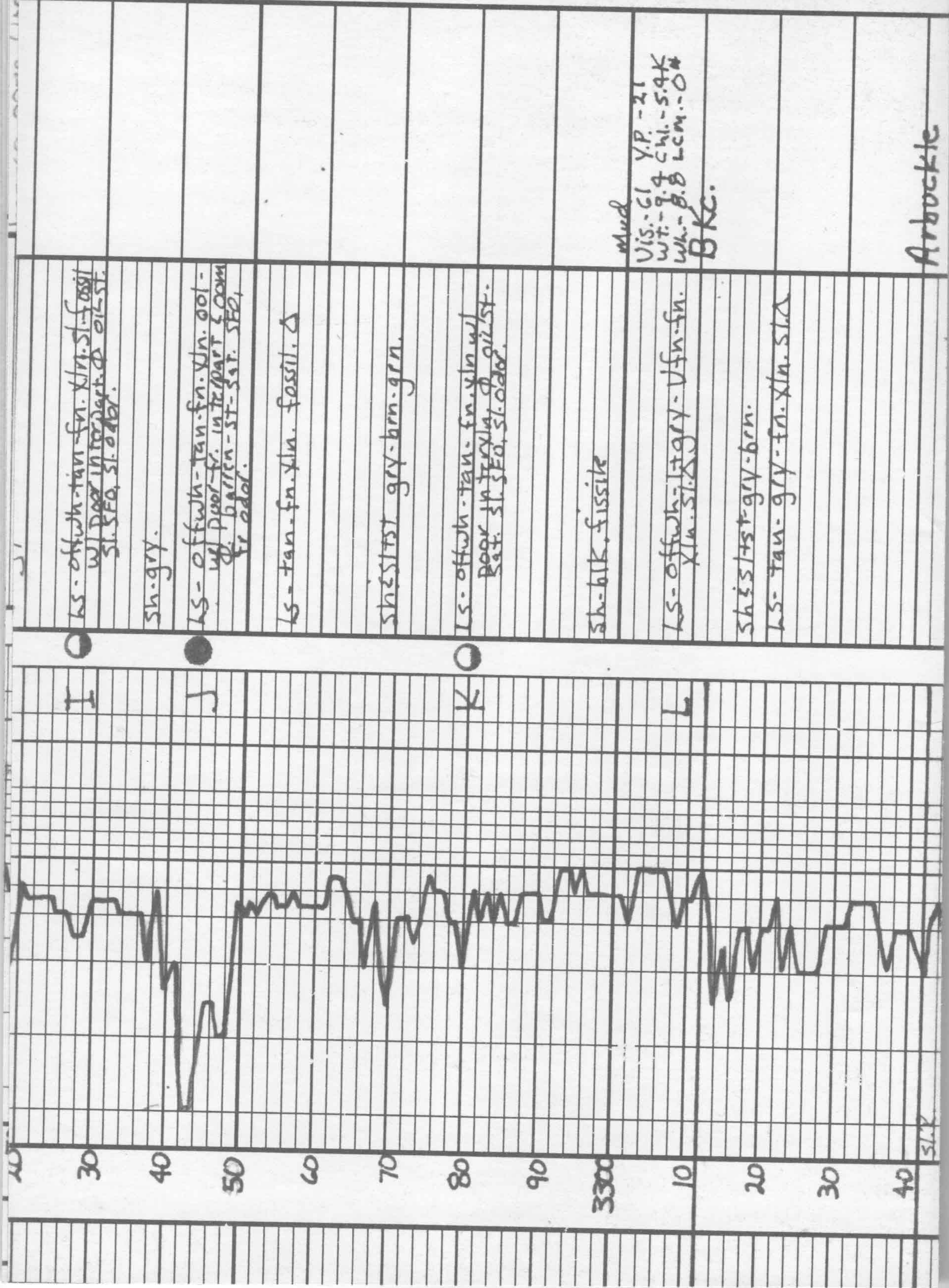
ls-offwh-tan-fn. xln. od-  
fossil, sl. chalky. sl. d.

ls a/g.

sh. dark gry

ls-offwh-fn. xln. ool w/  
fr. interpart. & com. of  
barren-st. sat. SF, fr. odor.

sh. gry.



I  
 ls - offwh - tan - fn. xln. sl. fossil  
 w/ poor in part of sil. st.

sh - gry.

J  
 ls - offwh - tan - fn. xln. ool -  
 w/ poor fr. in part of  
 barren - st - sil. st.

ls - tan - fn. xln. fossil. Δ

sh - st - st - gry - brn - grn.

K  
 ls - offwh - tan - fn. xln. w/  
 poor in part of sil. st.

sh - blk. fissile

L  
 ls - offwh - tan - gry - fn. xln. - fn.

sh - st - st - gry - brn.

ls - tan - gry - fn. xln. sl. Δ

Mud  
 Vis. - 61 Y.P. - 21  
 wt. - 9.9 Chl. - 5.9K  
 wh. - 8.8 LCM. - 0.4  
 BKG.

Arbockle

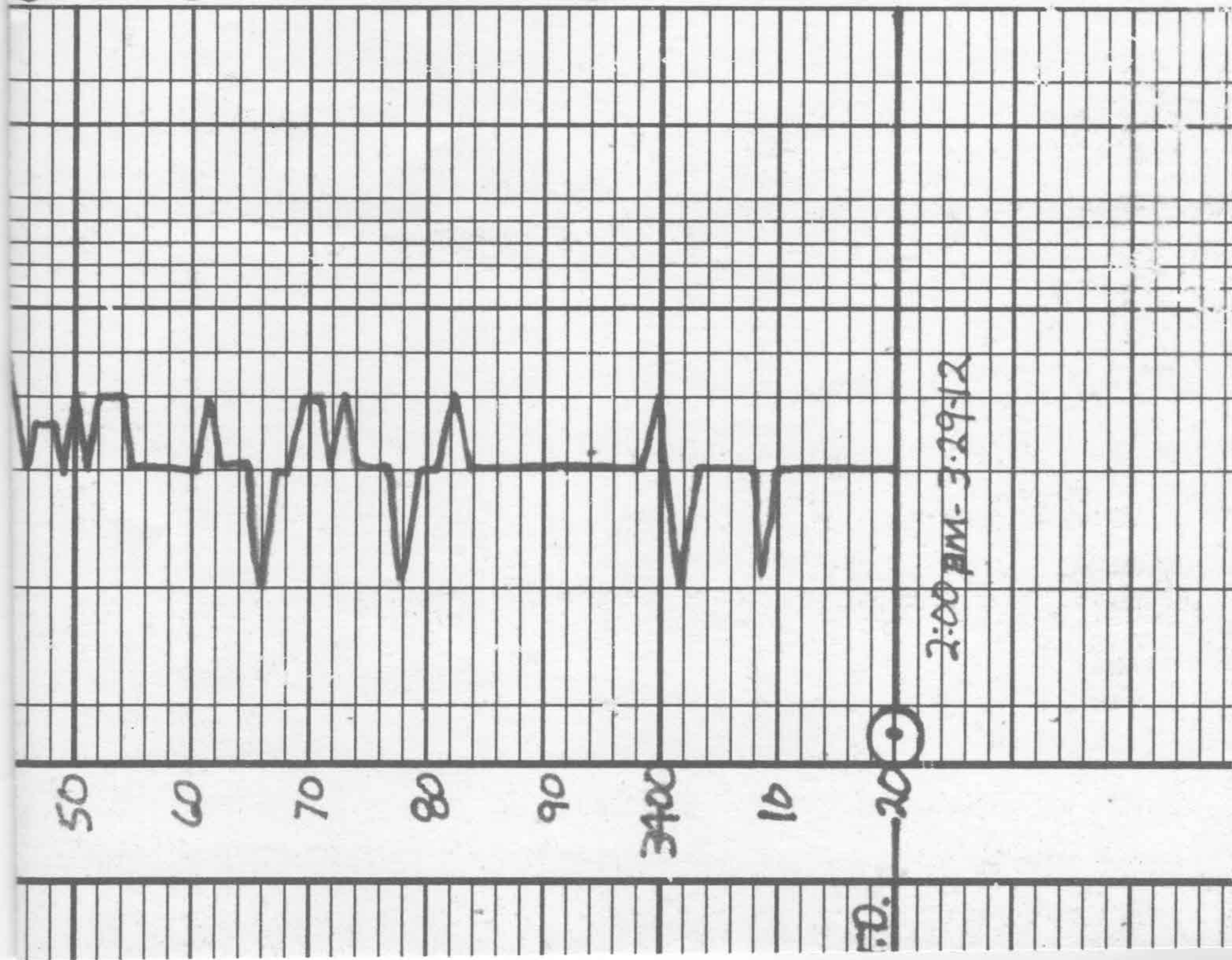
Dolo - lt gry - fr - med. sh.  
w/ fr. interstr. & barren.  
oil sat. 65%. good odor

Dolo aka.

Dolo - off wh - lt gry - fr - med  
sh w/ poor fr. interstr. &  
barren - oil sat. 50%. fr. odor

Dolo q/s

Dolo - off wh - lt gry - fr - med  
sh. approx. barren  
Chalky &



2:00 PM - 3:29:12