BRAD HUTCHINSON

116 EVES DRIVE
RUSSELL, KANSAS 67665

785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Prospect Oil & Gas, Inc.
LEASE DeYoung "C" #2
FIELD Cooper
LOCATION NE NE NE
SEC 11 TWSP 10S RGE 21W
COUNTY Graham STATE Kansas

ELEVATIONS
KB 2278'
DF
GL 2273'
Measurements Are All From Kelly Bushing

CONTRACTOR Royal Drilling, Inc.
SPUD 8-5-11 COMP 8-11-11
RTD 3845 (-1567) LTD
MUD UP 3200' TYPE MUD Chemical

CASING
SURFACE 8 5/8" @ 222'
PRODUCTION 5 1/2" @ 3840'

ELECTRICAL SURVEYS
None

SAMPLES SAVED FROM 3250' TO RTD
DRILLING TIME KEPT FROM 3200' TO RTD
SAMPLES EXAMINED FROM 3250' TO RTD
GEOLOGICAL SUPERVISION FROM 3250' TO RTD
GEOLOGIST ON WELL Brad J. Hutchison

FORMATION TOPS	LOG	SAMPLES
Anhydrite		1757 (+521)
Topeka		3292 (-1014)
Heebner		3501 (-1223)
Toronto		3524 (-1246)
Lansing		3540 (-1262)
Arbuckle		3841 (-1463)

			0
		11	

7505

REMARKS It was recommended based on the results of DST-1, that 5½" production casing be set and cemented at 3841', four (4) foot off bottom, and the following zone to be tested.

1. ARBUCKLE - Open Hole Completion Methods

Respectfully submitted,

Brad J. Hutchison

Brad J. Hutchison

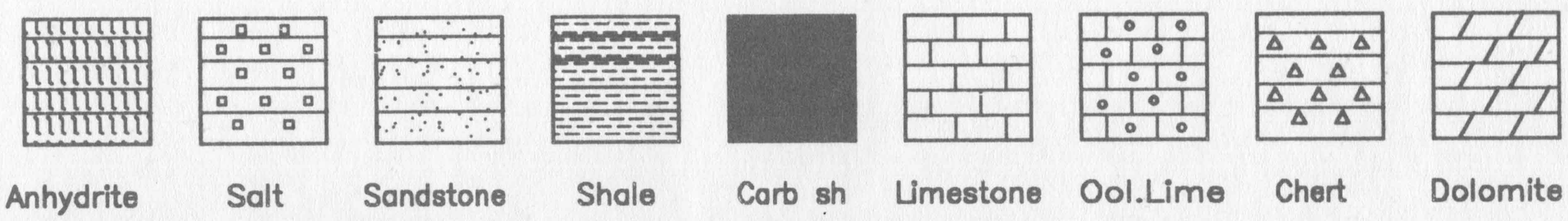
DAILY PROGRESS: 7:00 A.M.

8-5-11	MIRU
8-6-11	222'
8-7-11	1920'
8-8-11	2855'
8-9-11	3450'
8-10-11	3789'

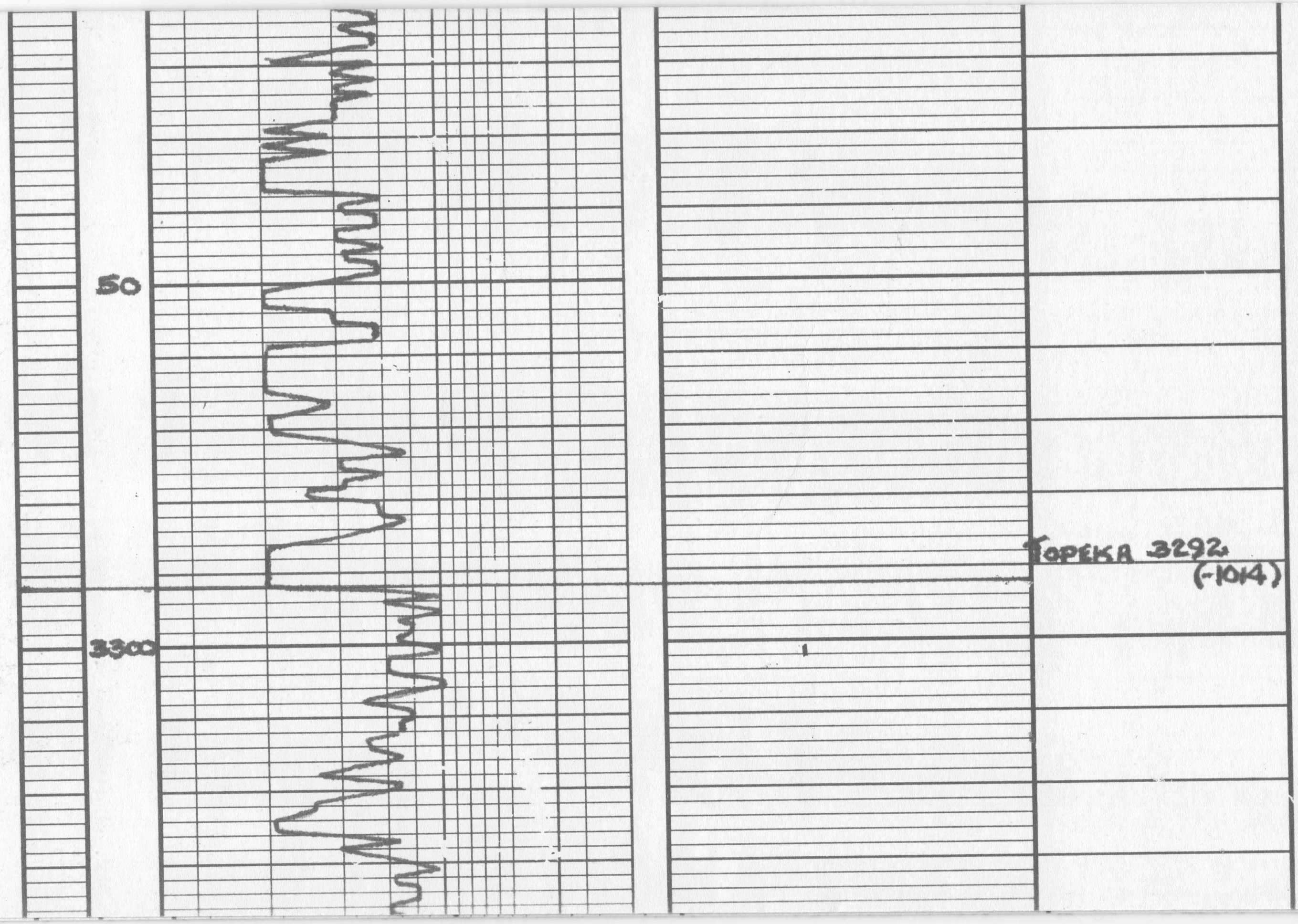
DV TOOL SET @ 1787'

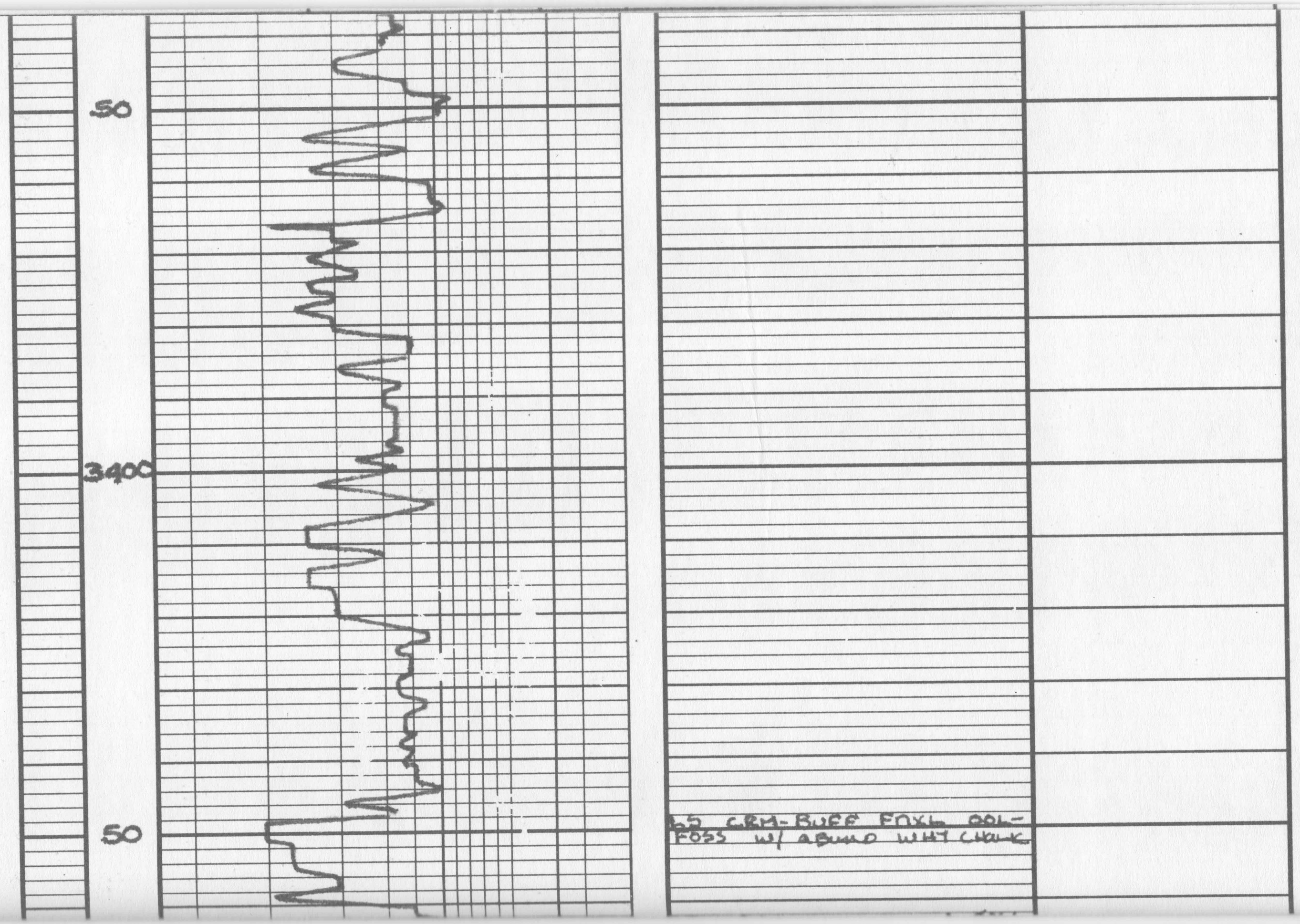
LOG 7702

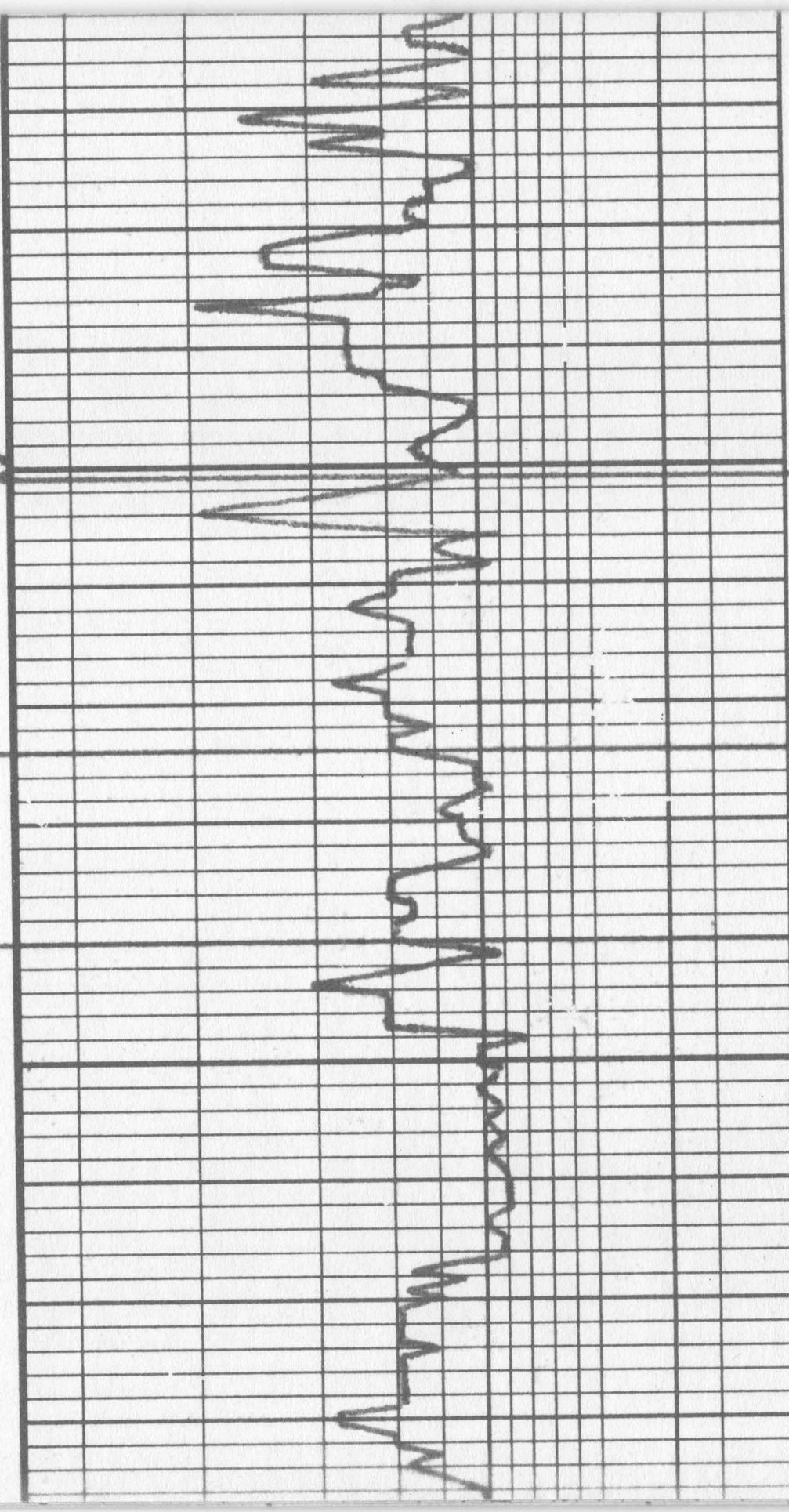
LEGEND



LITHOLOGY	DEPTH	DRILLING TIME (Logarithmic Scale)	SAMPLE DESCRIPTIONS	REMARKS
	200	.5 1 2 3 4 5 10 15 20 30		


50
3300
TOPEKA 3292
(-1014)


50
3400
50
LS CRM-BUFF FOXL OOL-
FOSS W/ ABUND WHT CHALK



LS WHT CHALKY W/ FOSS
LS SOME Δ

LS Δ Δ

LS LT GRY - BUFF DSE.
FMXL - CHALKY FOSS
W/ ABUND WHT CHALK
LS GRY DSE.

WEBBER 3501 (-1223)

3500

SH BLK CARB

SH BARN RED - PALE GRN,
MUSHY

LS LT GRY DSE. SL FOSS
(MASSIVE)

TORONTO 3524 (-1246)

SH RUSTY BRN PALE GRN

LANSING 3540 (-1262)

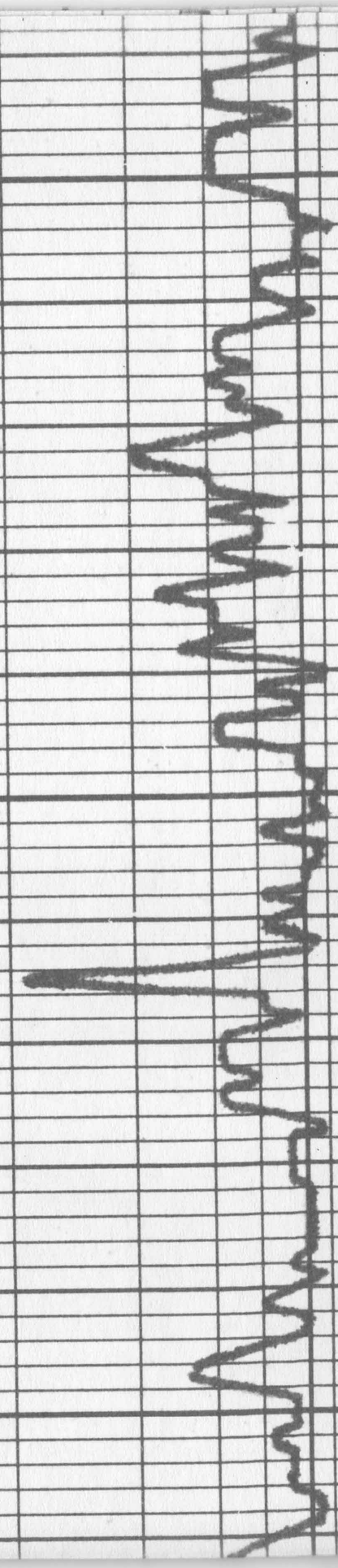
50

LS WHT-CRM FMXL HIGHLY OOL-
FOSS TR SPT INT OOL - SM VUG
Ø TR SPT LT STN.
TR FO NO ODOR

LS WHT-CRM - VERY DSE
MASSIVE

SH RUSTY BRN - GRY

LS LT GRY - WHT FMXL - DSE
OOL - FOSS TR SPT INT OOL
PP Ø SCTD LT BRN STN - SAT
TR FO FT - WK ODOR



3600

30

3700

SH RUSTY BRN — GRY

LS LT GRY - BUFF DSE MASSIVE.

LS WHT FMXL - DSE FOSS TR SPT BRN STN NFO OR ODOR

LS WHT FMXL - CHALKY FOSS - SL ODC. V. POORLY DEV SPT ODC. Ø' NS

LS BUFF DSE TR BOTRY-RIBBY WHT A

A A

SH BLK CARB FISS

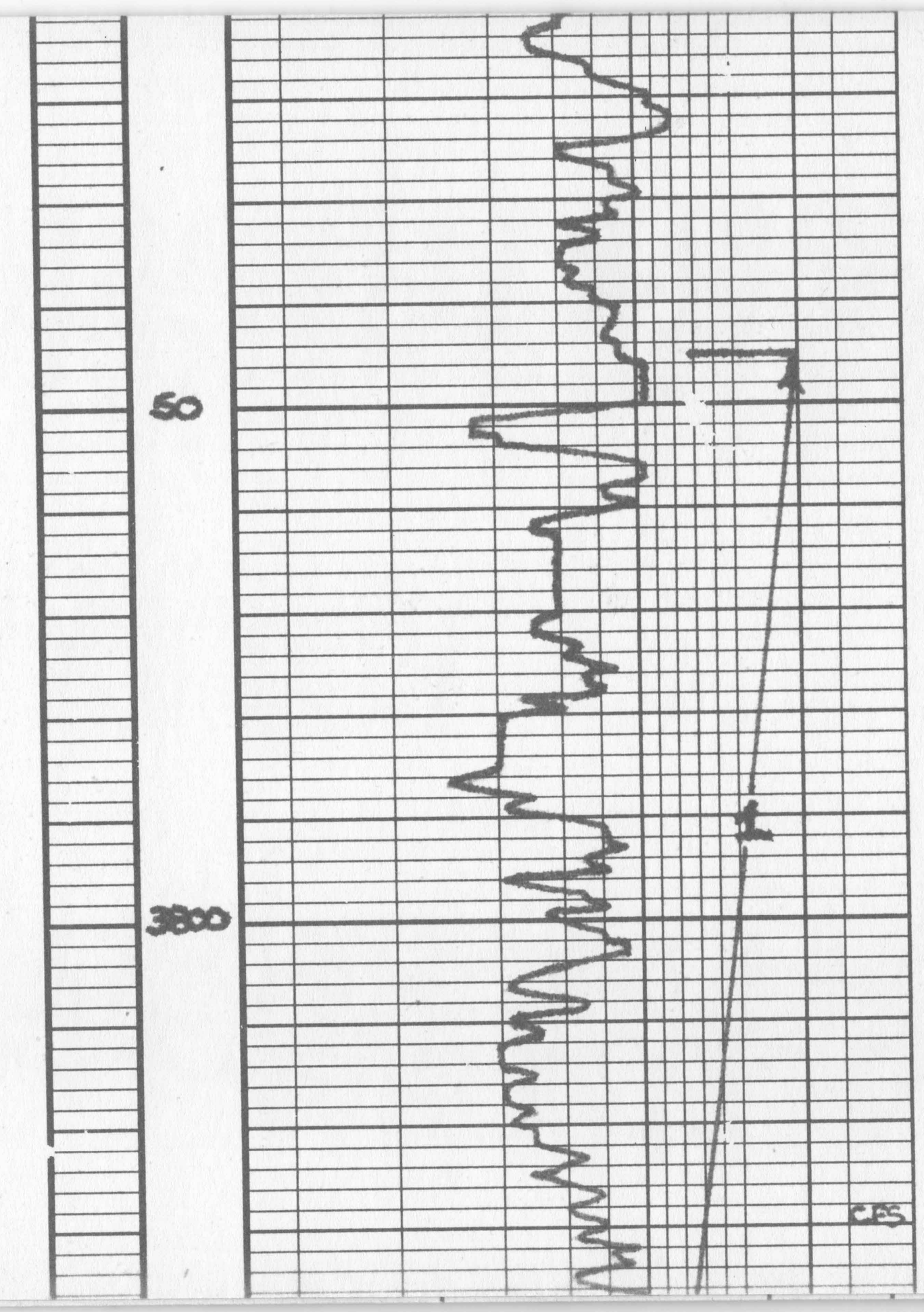
LS LT GRY - BUFF VFMXL DSE NO VIS Ø' TR SPT BRN STN NFO or odor

A A

SH GRY

LS WHT-GRY FMXL FOSS W/ ABUND WHT CHALK NS

SH GRY



LS AA

SH BLK CARB

SH RUSTY BRN-MAR

LS WHT YELLOW PYRITIC TR V POOR PP & SPED DK BRN STN-SAT VSSEO FT odor

SH BLK CARB

LS GRY DSE FOSS

ABUND BRICK RED SH

Same AA

VIS 37 poor samples

SHUT DOWN- MIX MUD

LS CHRTY GRY-CRM FR YL DSE w/ some SS pebbles

Δ VC IN MATRIX BLOOD RED SH

Δ AA very SHARP

INC BU-GRN WAXY SH

SH BLU-GRN WAXY

DST. 1 3745-3845
30 · 30 · 45 · 45
IF 9"
FF 8"
REC 124' GIP
62' HO & GCM
10% G 35% O 55% M
124' MGO
10% G 65% O 25% M
65' CO 25° GRAV.
SIP 1005-1003#
FP (26-69)(73-125)
HSH (1783-1748)
BHT 108°

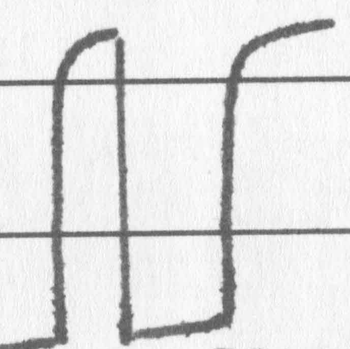


CHART PROFILE

				(Simpson 2 ...)	Arbuckle 7841 (-1463)
	50		CFS	DOLO GRY FN-MD-SL CS XL TR FR-GD INT XL W SM VUGS FR-GD BRN-DK STN Sat FR SFO WK-FR ODOR TR GD Rhomb. dev.	