RON NELSON

CONSULTING PETROLEUM GEOLOGIST
3322 LINCOLN DRIVE
HAYS, KANSAS 67601
PHONE: 785-628-3449

GEOLOGIC REPORT LOG

COMPANY Downing-Nelson Oil Co Inc

WELL Kramer Unit #1-24

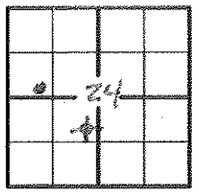
FIELD WILDCAT

LOCATION 1088' FWL 317' FSL

SEC. 24 TWP. 5S RGE. 37W

COUNTY CHEYENNE

STATE KANSAS



PRODUCTION Pawnee-LKC

ELEVATION KB 3299'
DF
GL 3276'

Drilling Measured From: KB

Samples Saved From 3800 To: TD

Drilling Time From 3500 To: TD

Samples Examined From: 4050 To: TD

Geological Supervision From 4050 To Total Depth

Wellsite Geologist Ron Nelson

Electrical Surveys Nabors - Dual Ind; Density-Neutron; MICRO; Sonic

OPERATOR DNOCI

CONTRACTOR Minnescah Drilling

COMM: 7-9-14 COMP: 7-18-14

CASING RECORD

SURF: 8 5/8" @ PROD: 5 1/2" @ 5133'

TOTAL DEPTH DRILLERS: 5129'

TOTAL DEPTH LOG 5134'

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
TOP ANHYDRITE		3006	+293	-1
BASE ANHYDRITE		3034	+255	NA
HEEBNER	4115	4118	-819	-6
LKC	4168	4172	-873	-4
BKC	4449	4452	-1163	-2
PAWNEE	4555	4558	-1269	-3
FT. SCOTT	4607	4612	-1323	-8
CHEROKEE SHALE	4640	4644	-1355	-7
MISSISSIPPI	4862	4868	-1579	NA

REFERENCE WELL FOR STRUCTURE THUNDERBIRD Drilling's Eggers 'C' #1 - DRY HOLE @ SE-NW Sec. 25

DAILY PENETRATION		BIT RECORD						
DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS

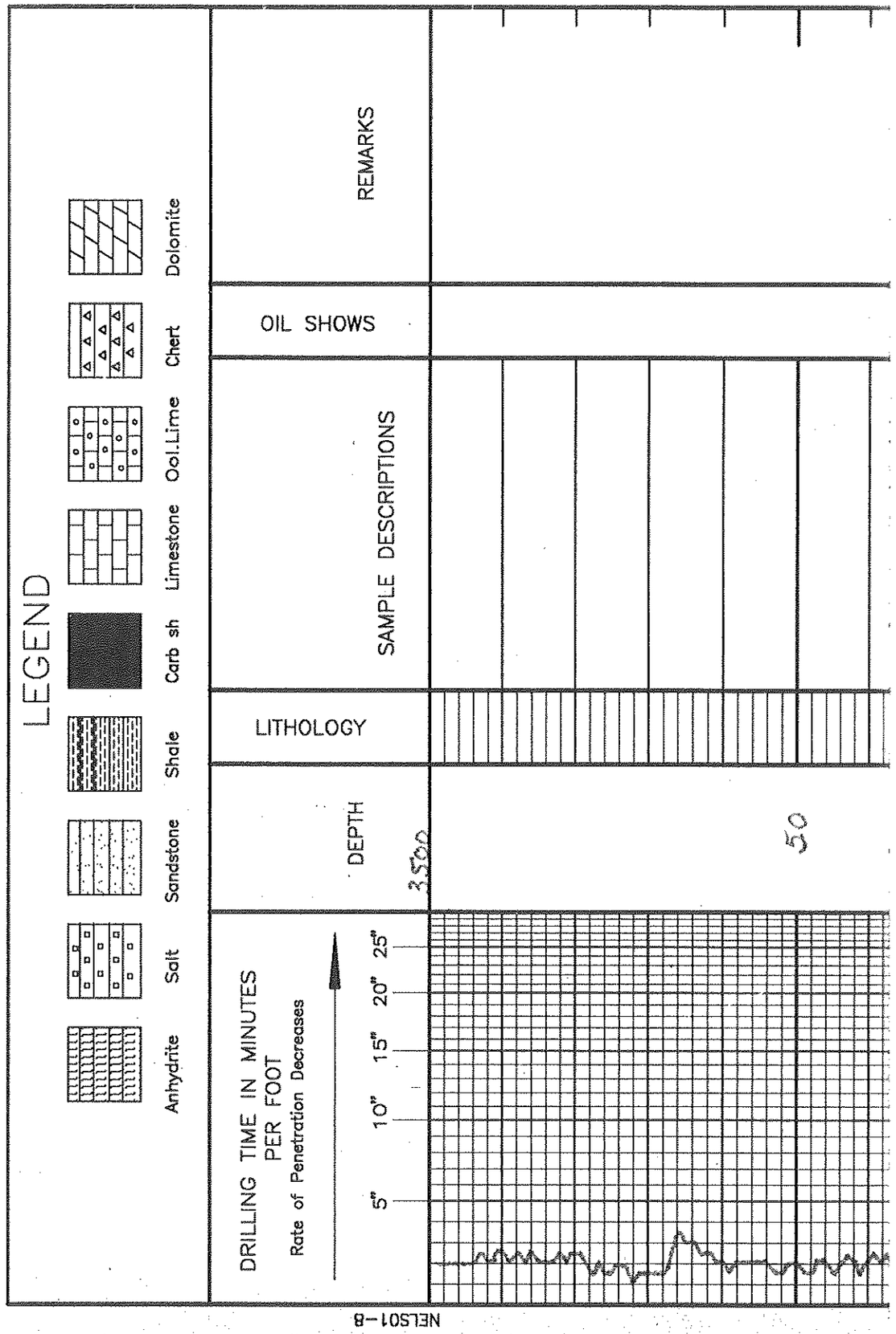
FORMATION	INTERVAL	DESCRIPTION OF SHOW	LOG ANALYSIS O	LOG ANALYSIS S W

DRILL STEM TESTS

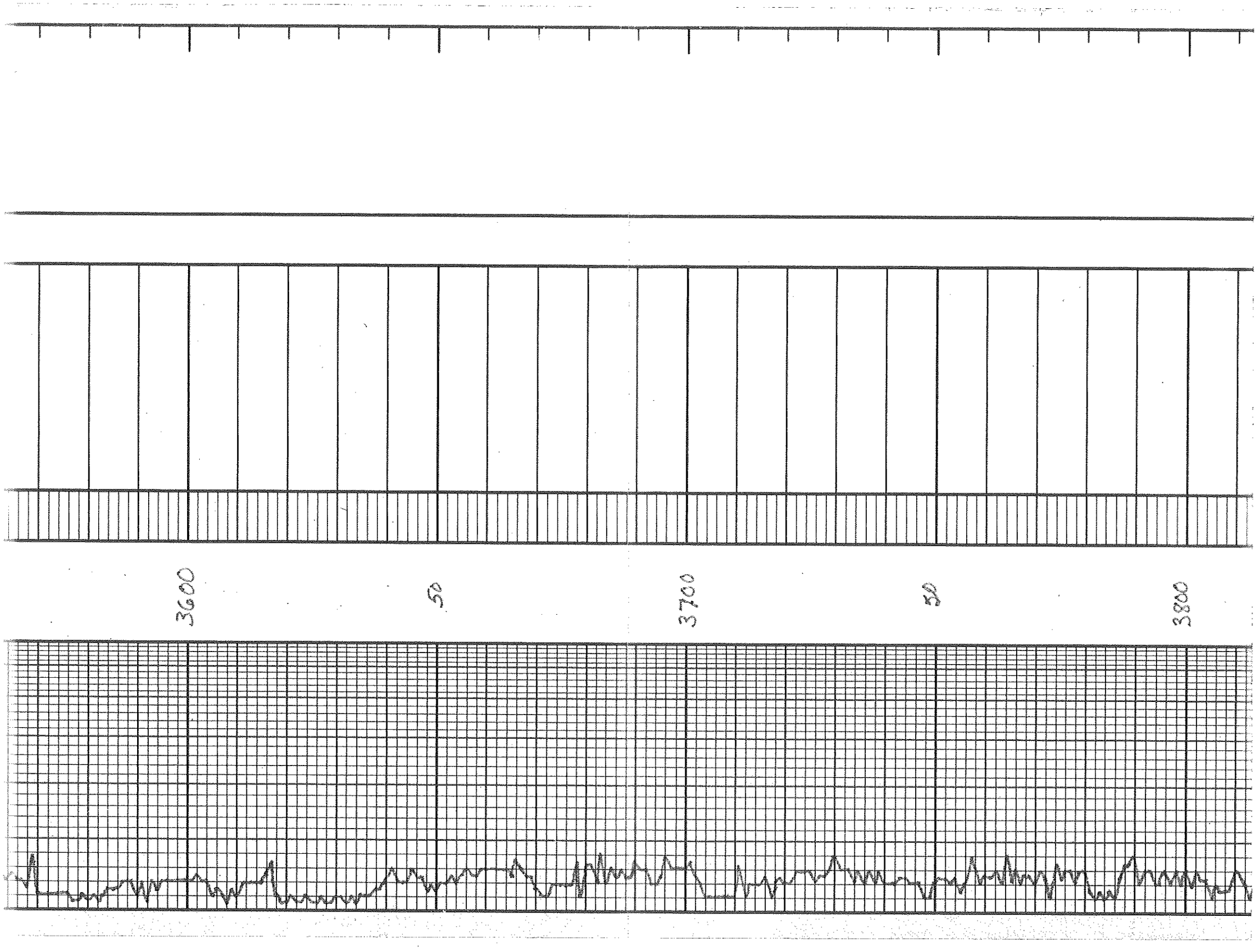
No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH–FHH	RECOVERY

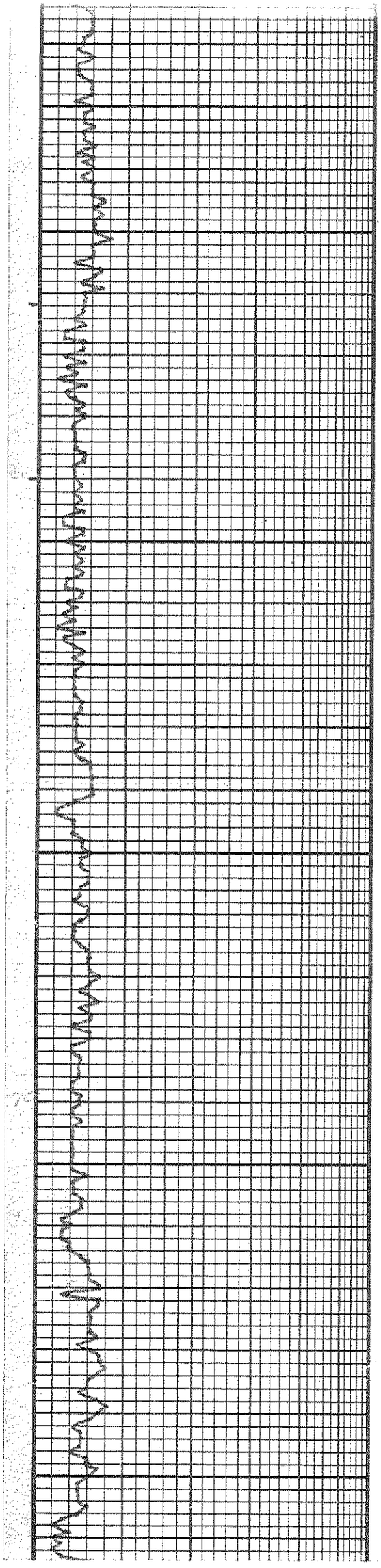
REMARKS AND RECOMMENDATIONS NOT AS HIGH AS SEISMIC INDICATED BUT HAS GREAT Development

Ron Nelson



NELS01-8


3600
50
3700
50
3800



50

3900

50

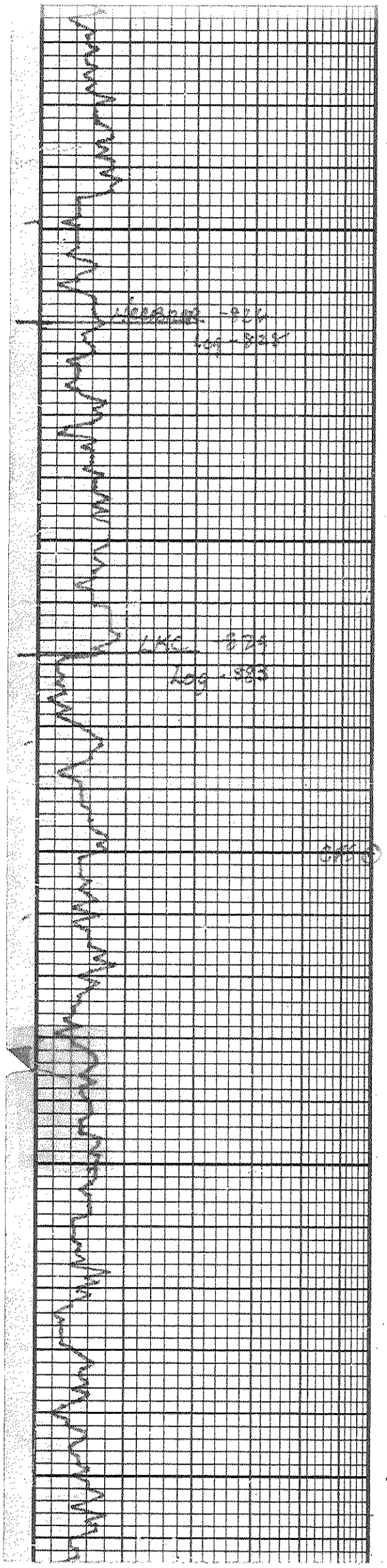
4000

50

RD Brn grysh

LS TAN gry fn xyLN DAS
prs ns.

~~MA SLC xyLN PAN~~
LS fn tabLN ns



hvy fr xyln sns pro

Sh blk carb

DNS tan - gry v fn xyln
LS no appears

LS aa sm chky

Sh blk carb

Dldnt tan - gry mic xyln
v pro LS.

Sh dk gry mrly blk

a lldnt gry no dk gry Sh

LS tan, tr vfoss, most fn
xyln w/ fwpcs blk dd gls
stn nsfo no od

Sh no stn

wh - tan DNS LS, pr xyln.
a lldnt dd gls stn nsfo
no od

Shs gry brn

sm blue, red
DNS tan - wh LS

LS tan fn xyln sns pro
MS. w/ sh gry
then a lt ch

a lldns gry brnsh
DK gry & gry LS

LS wh - tan fn - vfn xyln
1-2 w/ no od blk streky stn

nsfo. sm gls, no od pro
then mic xyln DNS
sh mrly blk carb

w/ DN sw A - tan vfoss frgs
MS.

DK gry brnsh

LS wh - tan fn xyln - vfn
xyln sns pr xyln MS
then 1-2 pcs sctd pp tnt foss
vssfo. no od. then sctd spks
rare bryozoa

Shs gry brn

DNS tan - gray LS wh xyln
pro MS.

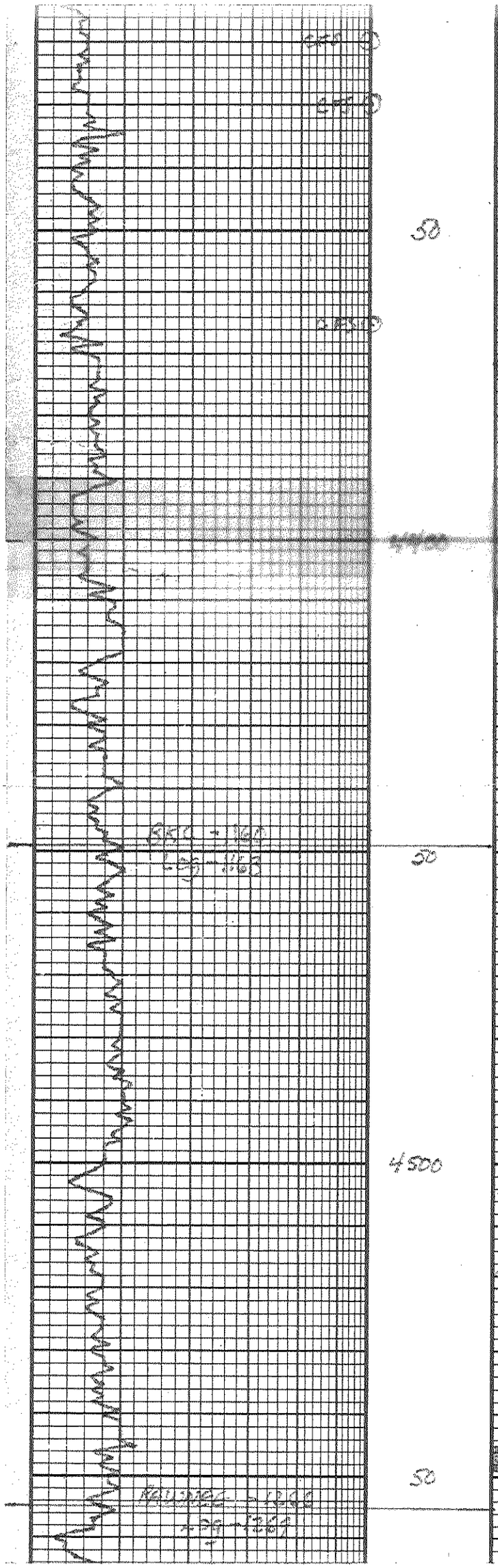
LS tan - wh md xyln fn - gd
pp s xyln frag MS

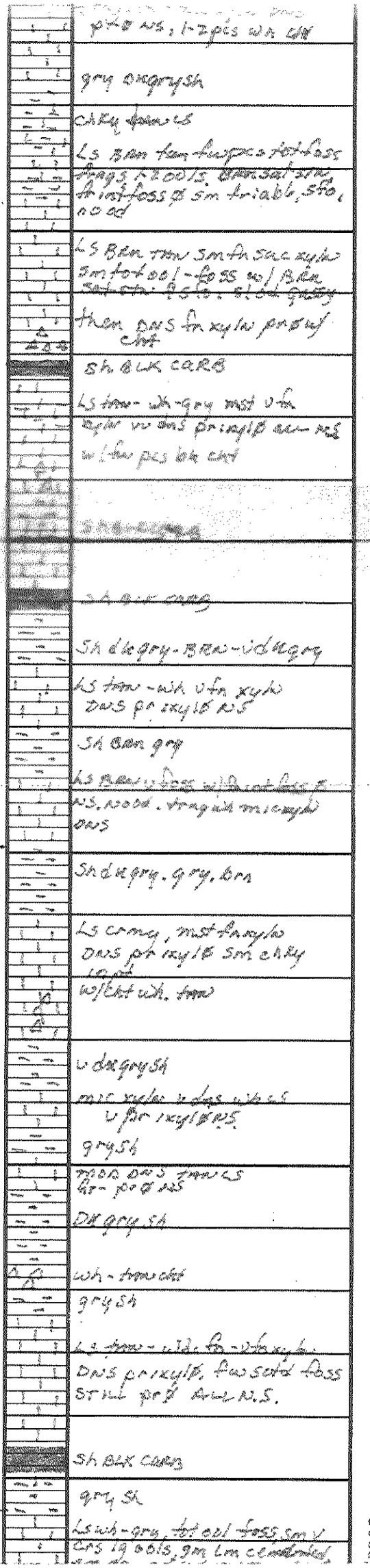
tnr gns v pro mic xyln
MS.

Sh dk gry gry
SA blk carb

LS wh - tan, sm fn - vfn xyln
w/ pr int xyln streaky blk
stn, sm gls. 1-2 pcs w/ ssfo
hvy blk tarry no od

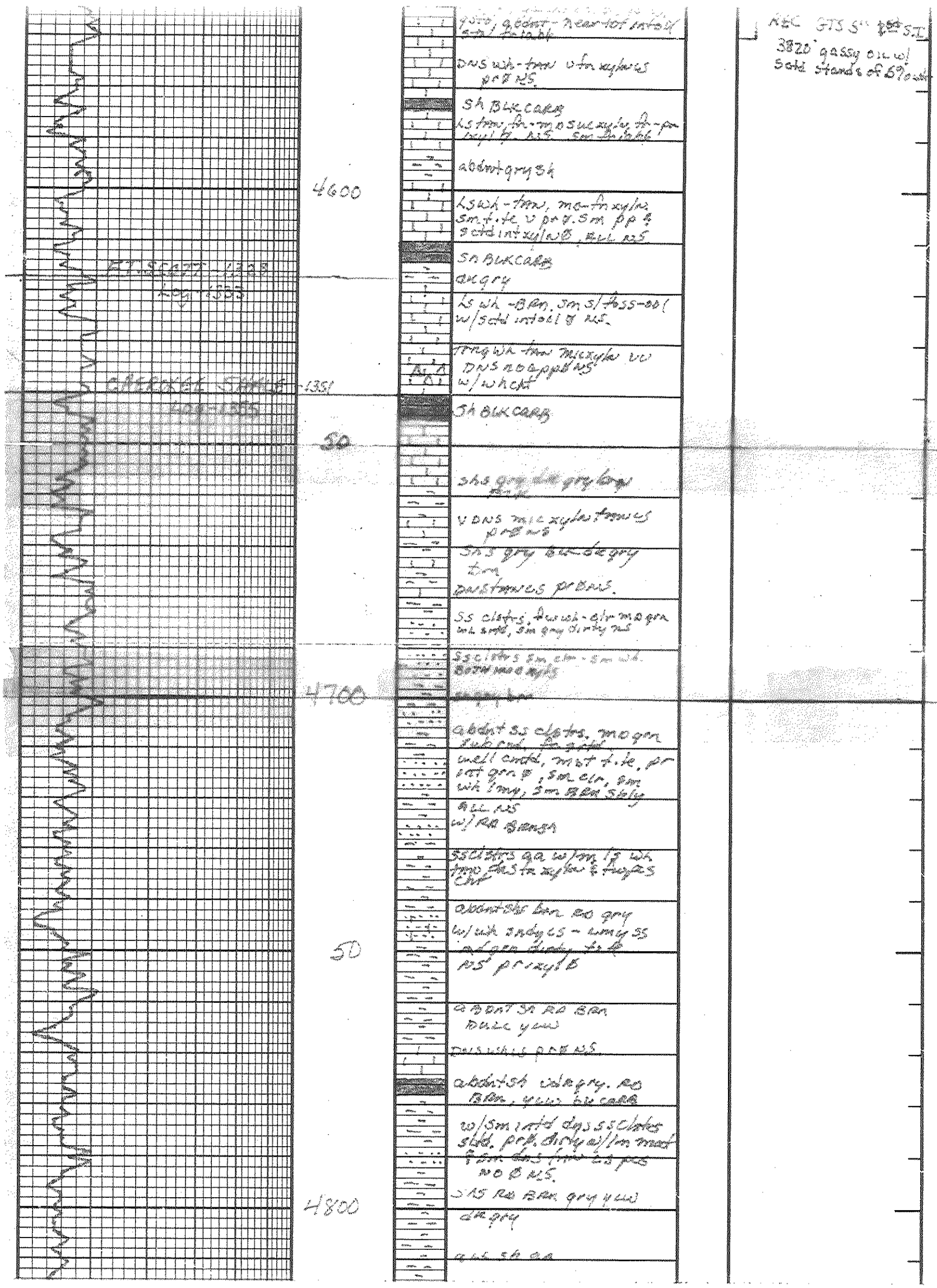
DST #1



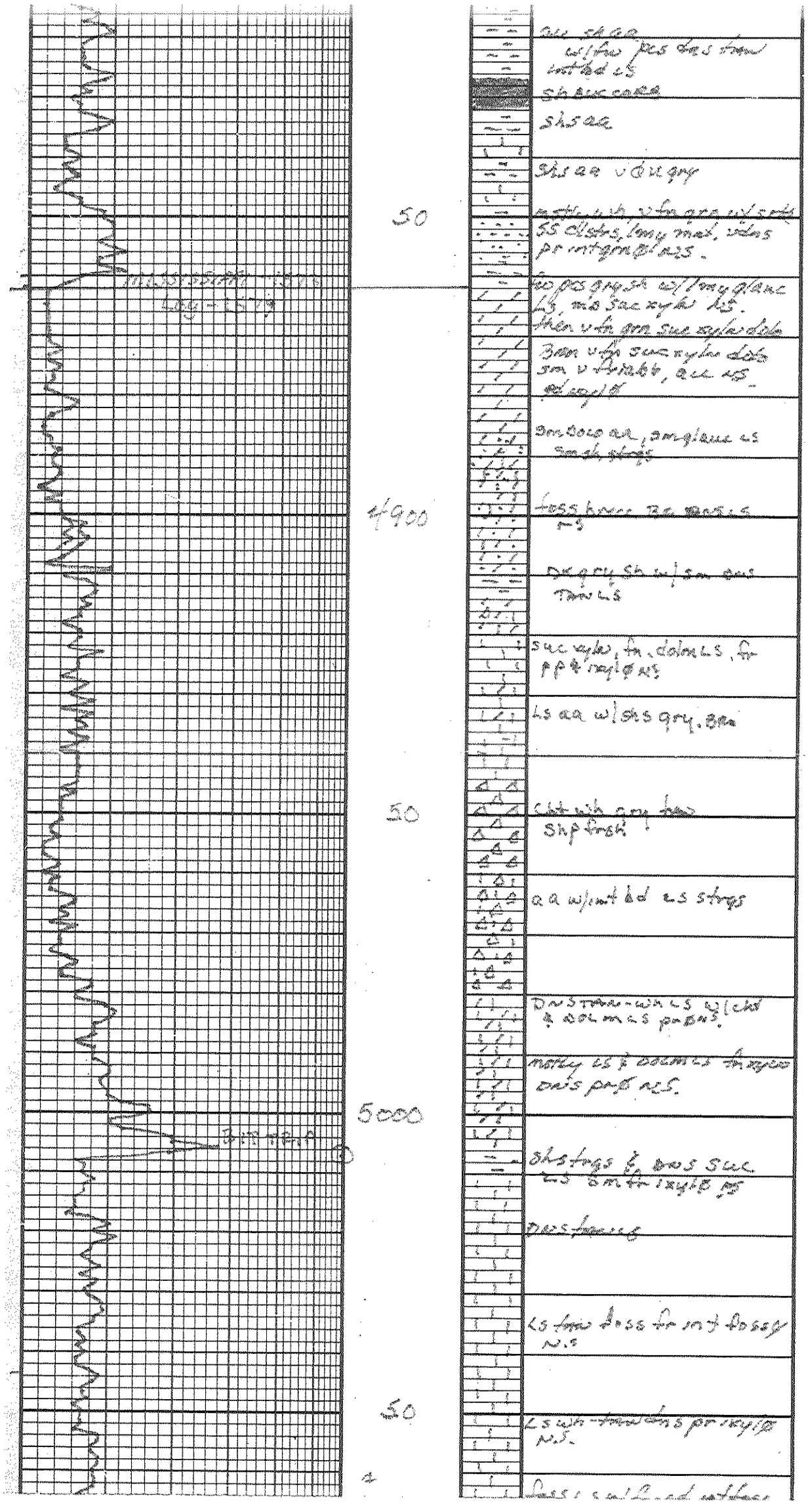


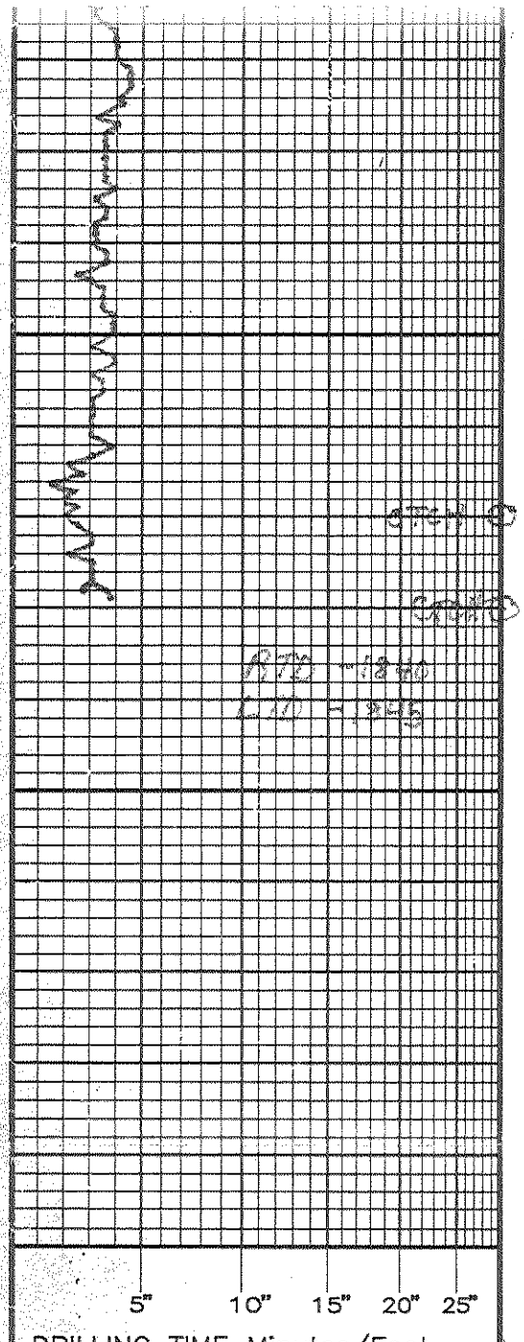
DST #1
30"-45"-30"-45"
1st op BOB 2"
BOB 12" on 1st S.I.
2nd op BOB 3"
BOB 12" on 2nd S.I.
IFP 64-345
FFP 358-556
SIP 1209-1177
HP 2164-2137
REC: 120' gip ?
645' C.G.O.
(35°g 75°o)
819' GVHOCM
(10°g; 20°m, 65°o)
Grav 33°

DST #2
4526'-4570'
1st op BOB 1"
SI BOB 5"
GTS ~75m
2nd op BOB 1"
SI GTS 4"
IFP 514-1086
FFP 1120-1306
SIP 1369-1366
HP 2326-2300



KEC GTS S-1 SI
3820' gassy oil w/ scd stands of 69° wt


50
4900
50
5000
50



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
		Shale		
		as a		
		as more dusty		
5100		w gry shale		
		gry brn sh		
		Dolo Brn-tan mod sucrosic		
		sand ikyl @ ns.		
50		Ron Nelson		
5200				

OPERATOR DNOCI

LOCATION 317' FSL & 1085' FWL

LEASE Kramer Unit #1-24 IP PN-LKC

SEC 24 TWP 5S RNG 37W

ELEVATION 3289' GL RTD 5129'

COUNTY CHEYENNE STATE KANSAS