Randall Kilian Corporation
Geologist

Certified Petroleum
Geologist #3351
License #224

P.O. Box 26
Hays, Kansas 67601-0026
Phone: 785-628-6061
Cell: 785-635-1349

GEOLOGIST'S WELL REPORT

COMPANY PROSPECT OIL & GAS CORP. (6627)

WELL Ankerholz A#1

FIELD Chase-Silica

LOCATION (legal) Ap. E½ NW NE SW
(2310' FSL & 1925' FWL)
Section 11 TWP 19S RGE 10W

(Map) 7 mi S of Bushton, Ks.

COUNTY Rice STATE Kansas

ELEVATION: 1751' K.B., 1744' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-159-22659

GEOLOGY BY Randall Kilian

PERTINENT WELL DATA

CONTRACTOR Royal Drilling Inc. (33905)

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

DRILL PIPE 4½" X-H COLLARS 6¼" 14 (434')

CASING: SURFACE 8 5/8" @ 304' w/ 180 sx Common

PRODUCTION 5½" @ 3272' w/ 150 sx Common 10%
DV @ 1320' w/ 225 sx QMD

DRILLING FLUID: COMPANY Mud-Co/Service Mud, Inc.
(Rick Hughes)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc.
(Randy Williams)

NUMBER OF TESTS Four (4)

ELECTIC LOGS: COMPANY Pioneer Log-Tech Inc.

DETAIL (5") 2500' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 2500' TO RTD

SAMPLE TIME FROM 2500' TO RTD

SUPERVISION FROM 2500' TO RTD

VERTICAL DEVIATION 1°@ 314', 3/4°@ 2863',

PLUGGING REPORT 30 sx Rat, 15 sx Mouse

RESERVE PIT 800 bbls., Chl. 79,000

DAILY REPORT

DATE:	7 a.m. Depth	RIG ACTIVITY
10-4-11		MIRU, Spud
10-5-11	507'	Drilling shale
10-6-11	1990'	Drilling shale & lime
10-7-11	2650'	Drilling Topeka lime
10-8-11	2952'	Drilling LKc lime
10-9-11	3170'	DST #3 LKc I-K
10-10-11	3286'	TD, Logging, Set pipe

MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2460'					
2	2510'	8.7	52			
3	2620'	8.9	45			
4	2703'	8.9	44	10.2	7k	9
5	2915'	9.1	80+			
6	2990'	9.1	94	12.0	9k	17
7	3150'	9.2	67			
8	3170'	9.3	53	14.4	11k	12
9	3286'	9.0	68	11.8	9.5k	13
10						
11						

Displaced

$5858.

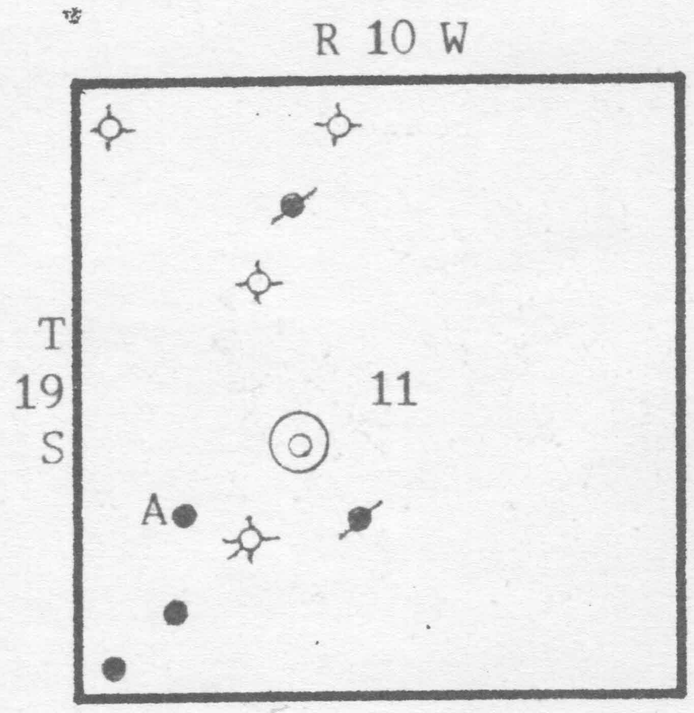
BIT RECORD

NO.	SIZE	MAKE	TYPE	DEPTHOUT	FEET	HOURS
1	12 ¼"	JZ	RR	314'	314'	3 ½
2	7 7/8"	JZ	QX20J	3286'	2972'	60 ½
3						
4						
5						
6						
7						

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	Dg. Sd 2822-2863'	25# 15# 5"	720# 60"	21# 27# 60"	504# 90"	1373# 1254#	392' GTP 40' G&O,C,Mud 30% O
2	LKc G 3017-3026'	69# 334# 5"	359# 60"	40# 172# 60"	357# 90"	1422# 1341#	2619' GTP 150' G,O,M,C,Wtr 240' Wtr
3	LKc J-K 3110-3170'	16# 17# 5"	558# 60"	17# 32# 60"	432# 90"	1554# 1518#	20' GTP 40' G,O,W,C,Mud
4	Arb. 3204-3286'	22# 25# 5"	1119# 60"	30# 101# 60"	1110# 90"	1602# 1504#	GTS 200' G,M,Oil 49°
5							
6							
7							
8							

FORMATION TOPS & STRUCTURAL GEOLOGY



REFERRED TO:

A: PROSPECT OIL & GAS CORP.
C. Ankerholz #1 S½ NW SW

B:

C:

D:

E:

STRATIGRAPHIC MARKERS	SUBJECT WELL SAMPLE	SUBJECT WELL E. LOG	DATUM	STRUCTURAL POSITION A	B	C	D	E
Anhydrite	438'	441'	+1310					
Base	464'	456'	+1295					
Topeka	2530'	2529'	- 778	- 783				
Heeb. Sh.	2793'	2794'	-1043	-1048				
Toronto	2815'	2816'	-1065	-1071				
Doug. Sd.		2837'	-1086	-1087				
Brown Lm.	2914'	2914'	-1163	-1172				
Lansing	2937'	2940'	-1189	-1195				
BKc.	3210'	3210'	-1459	-1471				
Cong.				-1507				
Re-Work Arb				-1539				
Arb.	3270'	3268'	-1517					
TD.	3286'	3285'	-1534	-1569				

Pipe strap 2.37' short.

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

SUMMARY

The Ankerholz A#1 well was drilled with Royal Drilling tools rig #2 beginning 10-4-11 and drilling was completed 10-10-11.

The drillsite was located via 3-D seismic survey. The closure was located on the edge of the 3-D shoot so the quality of the data was a concern.

The well ran high to the small Douglas Sand well southwest and thinned down to the Arbuckle which was encountered about 20' high.

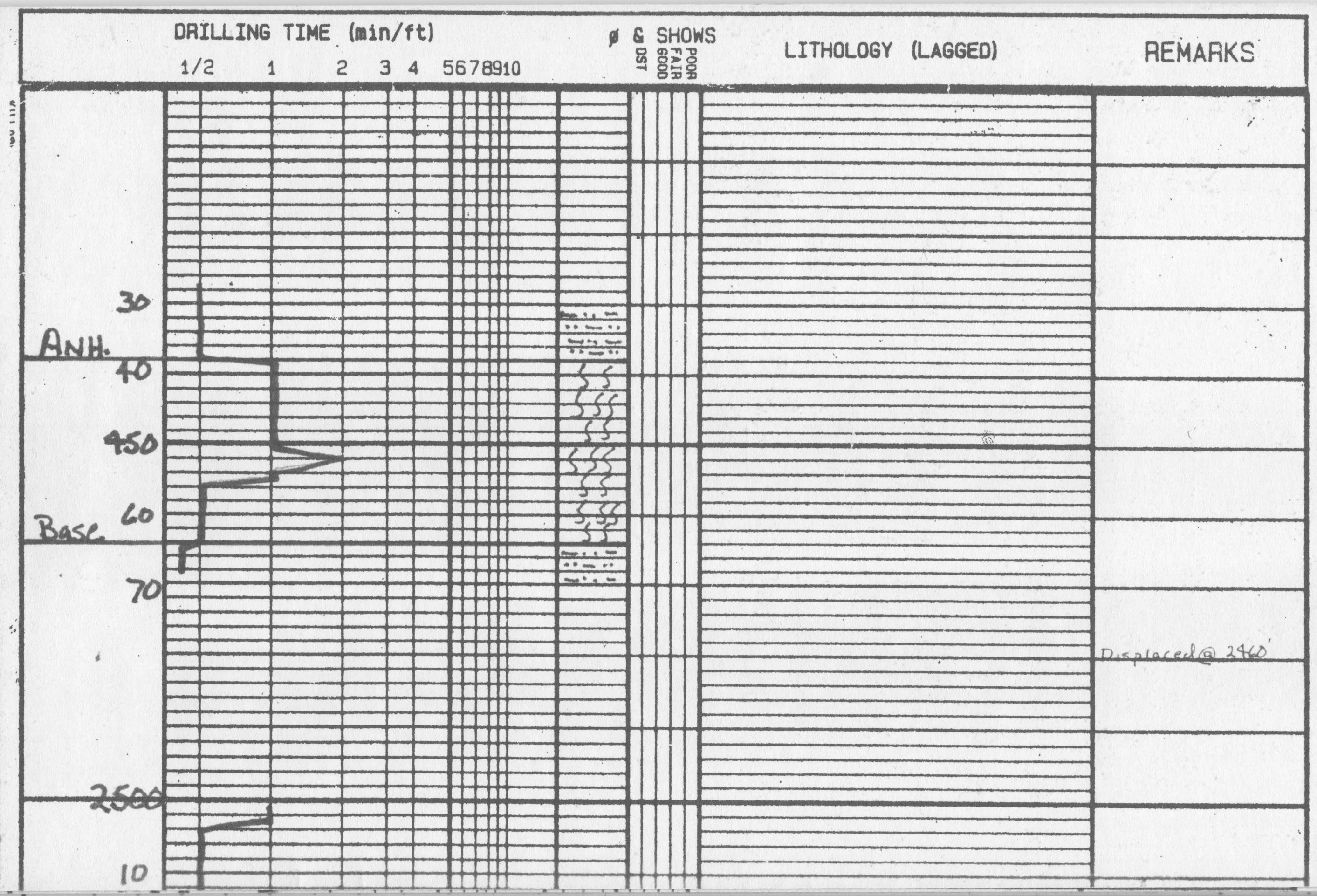
DST #1 over the Douglas Sand was a positive test for the area. DST #2 & #3 were depleted by the nearby wells. DST #4 over the upper Arbuckle was a positive test. Pipe was set about 11' off bottom for an open hole completion.

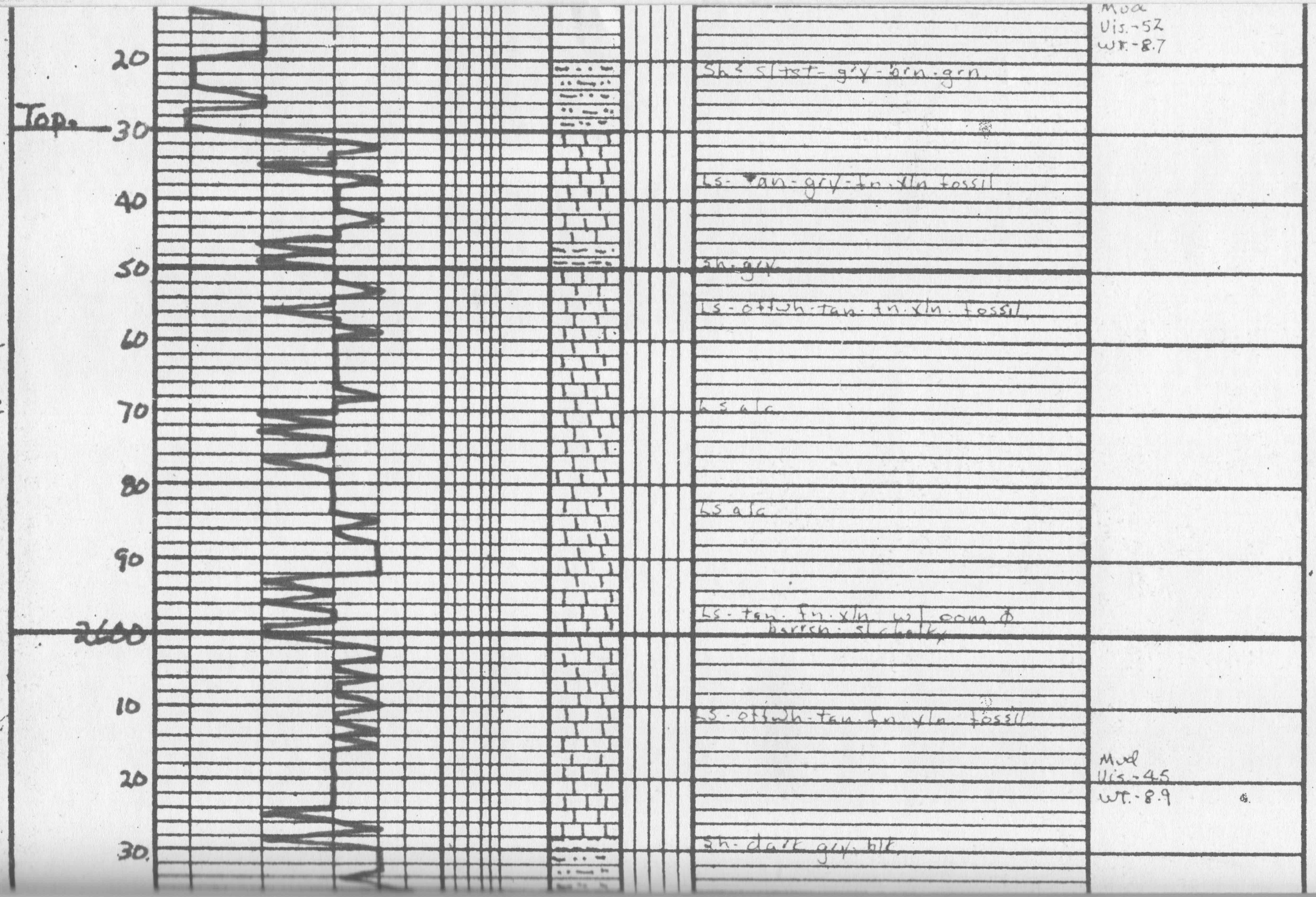
The Douglas Sand should be tested before abandoning.

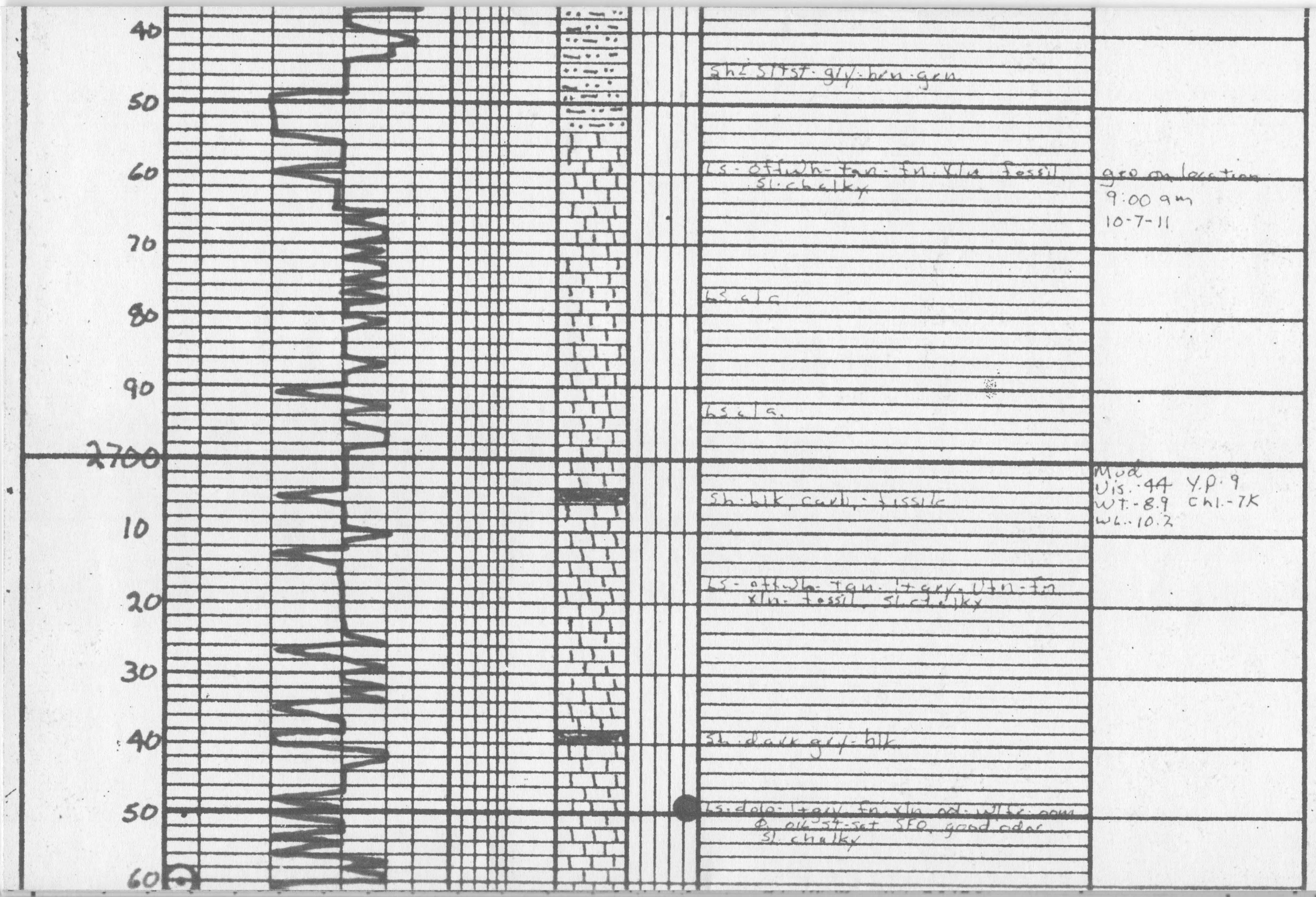
Respectfully,

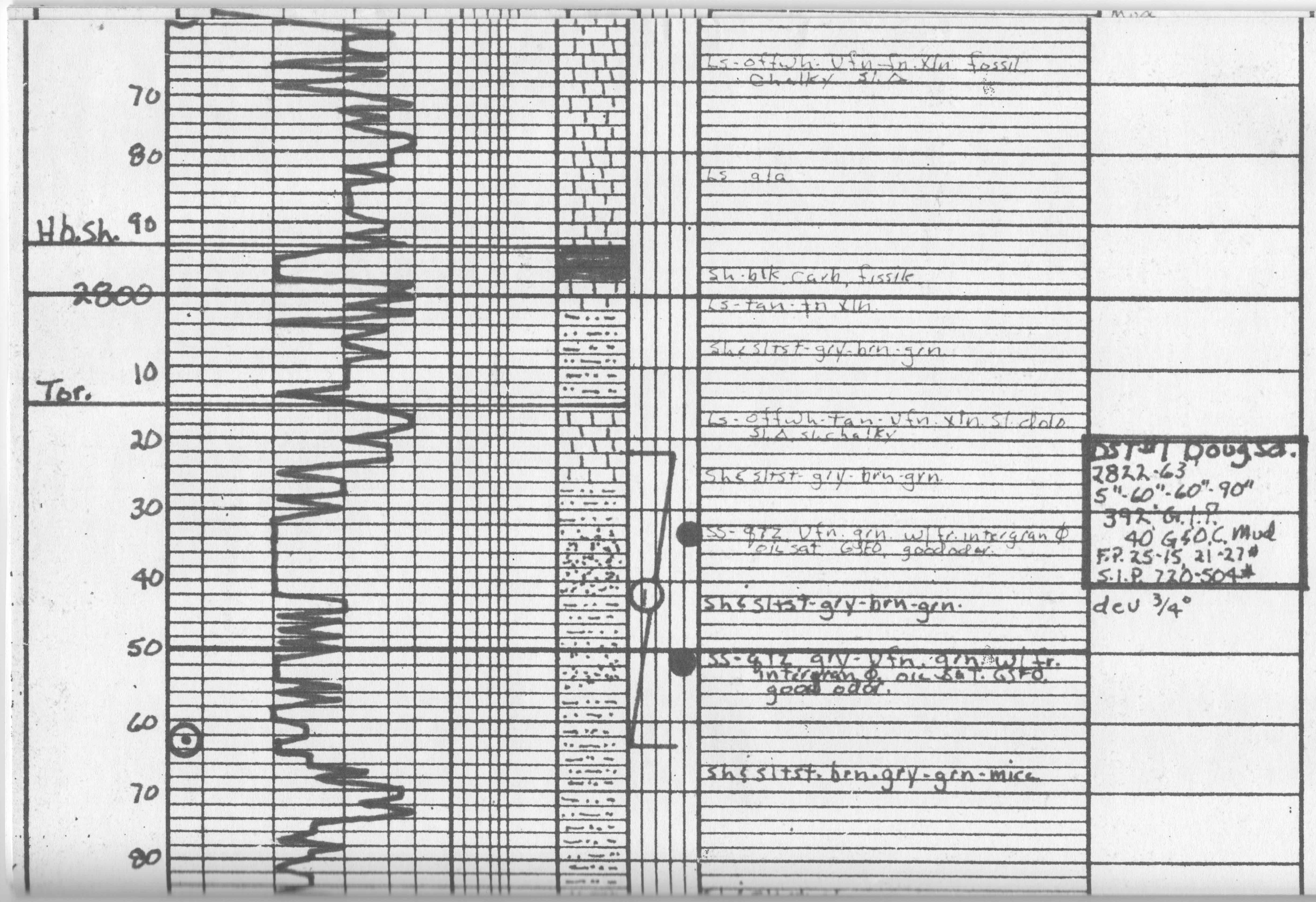
Randy

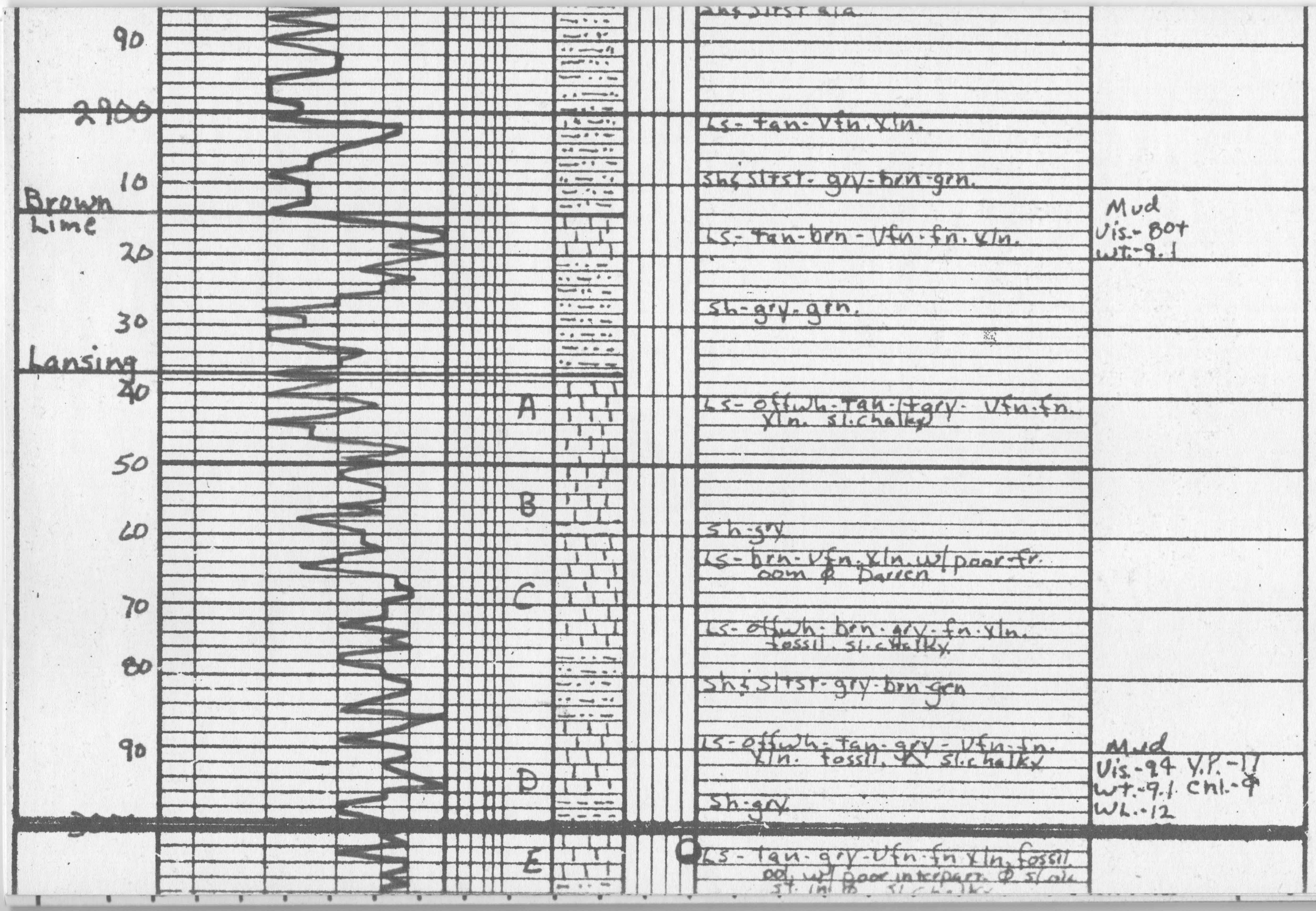
Randall Kilian

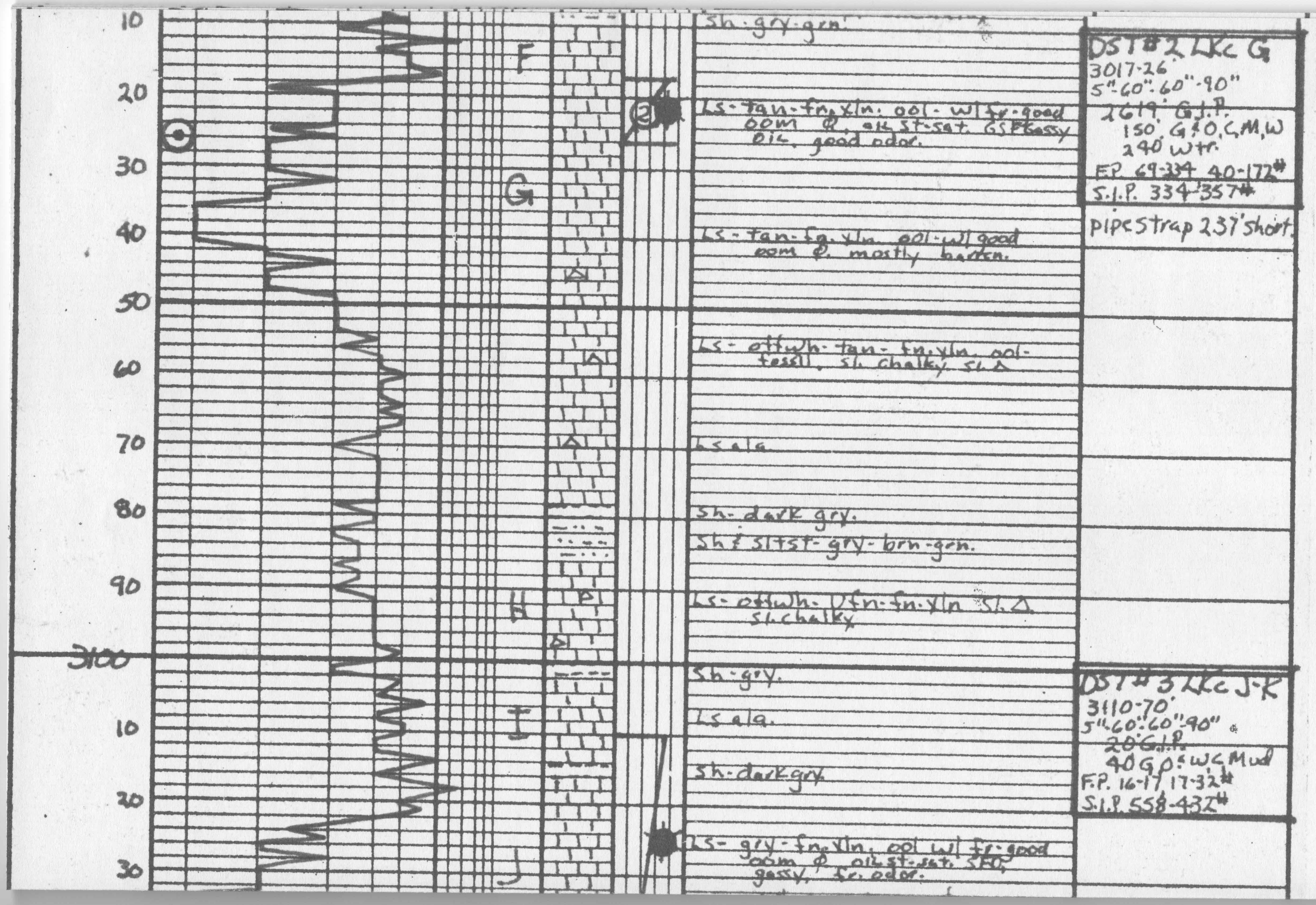

DRILLING TIME (min/ft)
1/2 1 2 3 4 5678910
ø & SHOWS
DST
POOR
FAIR
GOOD
LITHOLOGY (LAGGED)
REMARKS
30
ANH.
40
450
60
Base
70
Displaced @ 2460'
2500
10

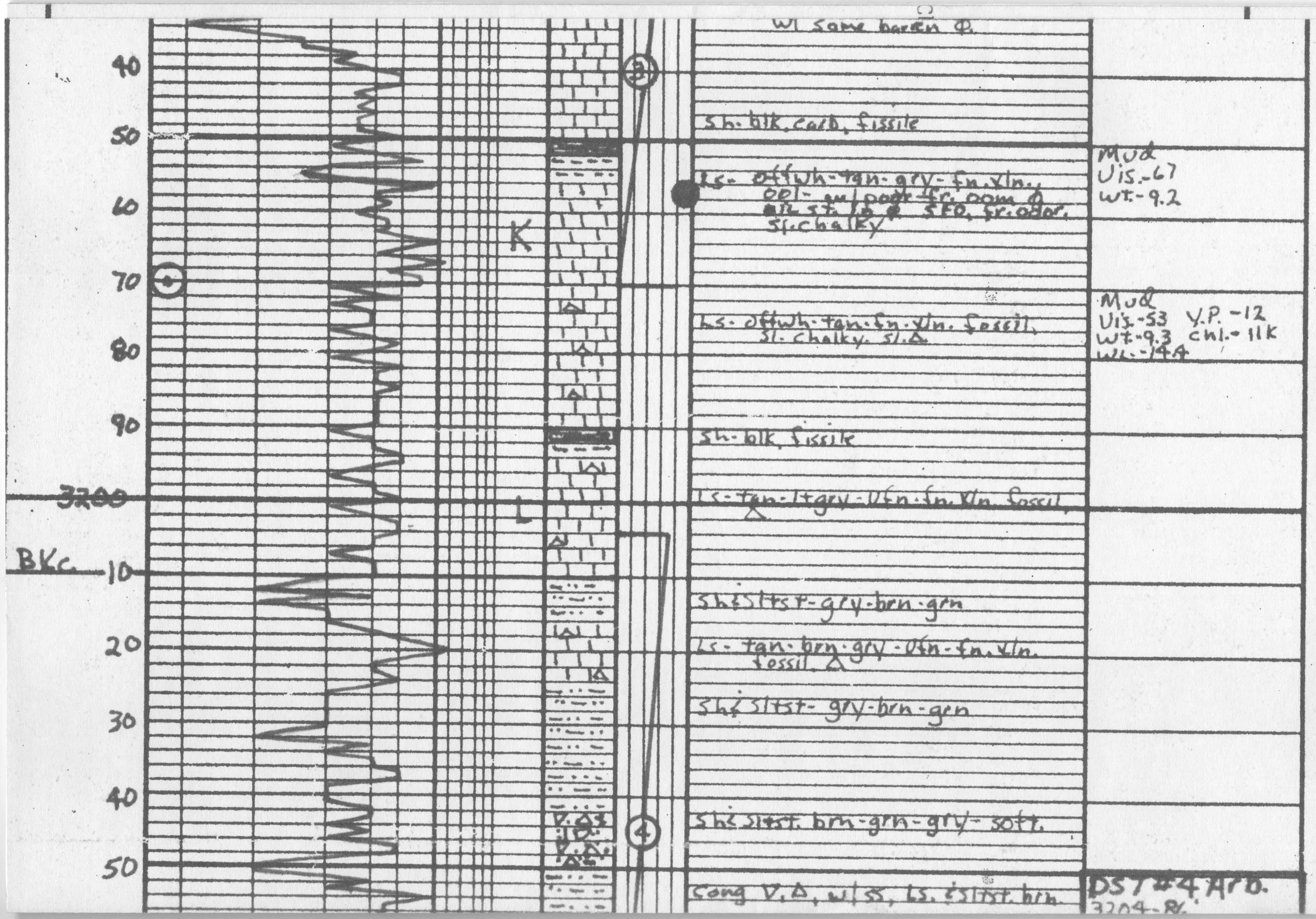

Top
20
30
40
50
60
70
80
90
2600
10
20
30
Sh & slt-tst - gry - brn - grn.
Ls - tan - gry - fn. xln fossil
Sh - gry
Ls - off wh - tan - fn. xln. fossil
Ls ala
Ls ala
Ls - tan - fn. xln w/ com ϕ
harrsh - sl chalky
Ls - off wh - tan - fn. xln. fossil
Sh - dark gry. blk
Mod
Vis. - 52
WT. - 8.7
Mod
Vis. - 45
WT. - 8.9

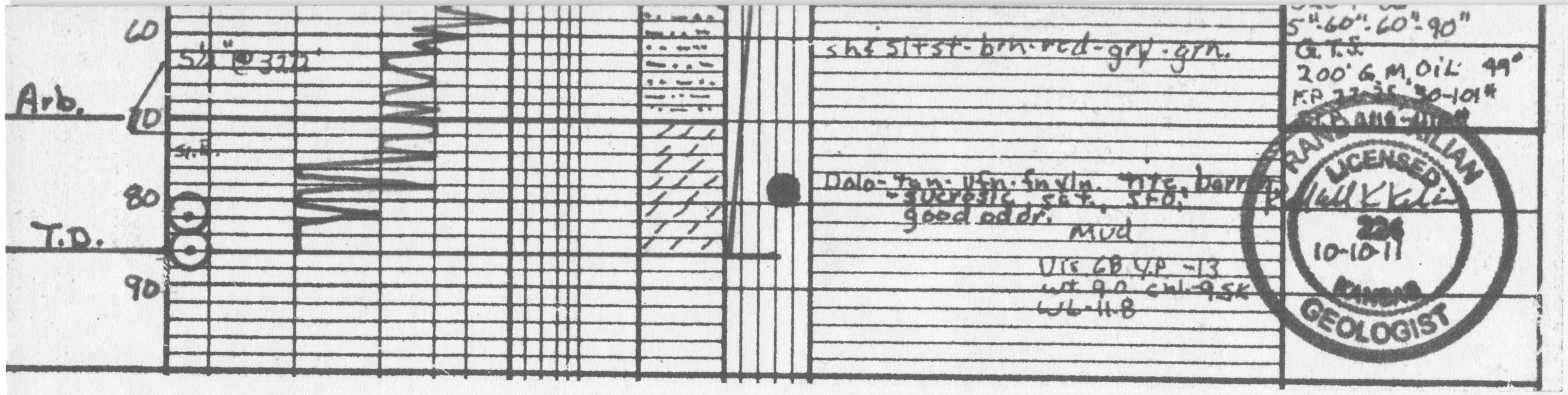

40
50
60
70
80
90
2700
10
20
30
40
50
60
sh: sltst. gry-brn-grn
ls. off wh-tan. fn. xln. fossil. sl. chalky
ls. a/a
ls. a/a.
sh. blk, carb., fissile
ls. off wh. tan. lt gry. v fn-fn xln. fossil. sl. chalky
sh. dark gry-blk
ls. dolo. lt gry. fn. xln. pd. wl sr. poor ϕ, oil st-set. SFO. good odor sl. chalky
gro on location
9:00 am
10-7-11
Mud
Vis.-44 Y.P.-9
WT.-8.9 Chl.-7K
WL.-10.2


70
80
Hb.Sh. 90
2800
10
Tor.
20
30
40
50
60
70
80
Ls-offwh-Vfn-fn-xln fossil
Chalky Sh.
Ls gla
Sh-blk carb, fissile
Ls-tan-fn xln
Sh&Sltst-gry-brn-grn
Ls-offwh-tan-Vfn-xln sl clde
Sl.A sl chalky
Sh&sltst-gry-brn-grn
SS-qtz Vfn. grn. w/fr. intergran Φ
oil sat GSFO, goododor.
Sh&sltst-gry-brn-grn.
SS-qtz gry-Vfn. grn. w/fr.
intergran Φ oil sat. GSFO.
good odor.
Sh&sltst. brn.gry-grn-mica
DST#1 Dougsa.
2822-63
5"-60"-60"-90"
39' G.I.P.
40' GSO.C. Mud
F.P. 25-15, 21-27#
S.I.P. 720-504#
dev 3/4°


90
2900
10
Brown Lime
20
30
Lansing
40
A
50
B
60
C
70
80
90
D
E
Sh & Sltst gra.
Ls- tan- vfn. xln.
Sh & sltst- gry-brn-grn.
Ls- tan-brn - vfn. fn. xln.
Sh-gry-grn.
Ls- offwh-tan-tgry- vfn.fn. xln. sl.chalky
Sh-gry
Ls- brn-vfn. xln. w/ poor-fr. oom & Darken
Ls- offwh- brn-gry-fn-xln. fossil. sl. chalky
Sh & sltst-gry-brn-grn
Ls- offwh-tan-gry - vfn.-fn. xln. fossil. sl. chalky
Sh-gry
Ls - tan-gry-vfn-fn xln, fossil. oo, w/ poor interpart. & sl. olc. st. in pb. sl. chalky
Mud
Vis.-80+
wt.-9.1
Mud
Vis.-94 Y.P.-11
wt.-9.1 Chl.-4
WL.-12


10
20
30
40
50
60
70
80
90
3100
10
20
30
F
G
H
I
J
Sh. gry-grn.
Ls-tan-fn.xln. ool-w/fr-good
com ϕ. oil st-sat. GSFkasy
oil, good odor.
Ls-tan-fg.xln. ool-w/good
com ϕ. mostly harden.
Ls-off wh-tan-fn.xln. ool-
tessll. sl. chalky sl.Δ
Ls ala.
Sh-dark gry.
Sh & slt-st-gry-brn-grn.
Ls-off wh-Vfn-fn.xln sl.Δ
sl.chalky
Sh-gry.
Ls ala.
Sh-dark gry.
Ls-gry-fn.xln. ool w/ fr-good
com ϕ oil st-sat. SFO,
gassy, fr. odor.
DST#2 Lkc G
3017-26'
5"-60"-60"-90"
2619' G.I.P.
150' G&O,C,M,W
240' Wtr.
FP 69-334 40-172#
S.I.P. 334-357#
Pipe strap 237' short.
DST#3 Lkc J-K
3110-70'
5"-60"-60"-90"
20' G.I.P.
40' G&O: W,C Mud
F.P. 16-17 17-32#
S.I.P. 558-432#


w/ some barren Φ.
sh. blk. carb. fissile
Ls. off wh-tan-gry-fn. xln.
odl-sm/part fr. com Φ
sl. chalky
Mud
Vis.-67
wt.-9.2
Ls. off wh-tan-fn. xln. fossil.
sl. chalky. sl. Δ
Mud
Vis.-53 V.P.-12
wt.-9.3 chl.-11k
wl.-14A
sh. blk. fissile
Ls-tan-lt gry-v fn-fn. xln. fossil.
sh & sltst-gry-brn-grn
Ls-tan-brn-gry-v fn-fn. xln.
fossil.
sh & sltst-gry-brn-grn
sh & sltst. brn-grn-gry-soft.
cong V.Δ, w/ ss, ls. & sltst. brn.
DST #4 Aro.
3204-R.
K
L
BKc.
3200
40
50
60
70
80
90
10
20
30
40
50


60
Arb.
70
80
T.D.
90
sh & slt-st-brn-red-grn-grn.
Dolo-tan-lt-tn-sn-vln. tite, barren
sucrosic sst., SFO.
good odor.
Mud
Vis 68 YP -13
wt 9.0 cnl-9.5k
WL-11.8
5"-60"-60"-90"
G.T.S.
200' G.M. OIL 49°
LICENSED
224
10-10-11
GEOLOGIST