

PERTINENT WELL DATA

CONTRACTOR WW Drilling, LLC. (33575)

RIG #6 HYDRAULICS K-380 6x14x60
(John Mayers TP)

DRILL PIPE 4 1/2" Full COLLARS 6 1/2" 14 (461')

CASING: SURFACE 8 5/8" @ 259' w/ 165 sx Common

PRODUCTION _____

DRILLING FLUID: COMPANY Mud-Co/Service Mud, Inc.
(Schmidtberger-Lang)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc.
(James Winder)

NUMBER OF TESTS Two (2)

ELECTIC LOGS: COMPANY Superior Well Services

DETAIL (5") 3400' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 3400' TO RTD

SAMPLE TIME FROM 3400' TO RTD

SUPERVISION FROM 3400' TO RTD

VERTICAL DEVIATION 3/4° @ 259', 3/4° @ 3760',

3/4° @ 3990',
PLUGGING REPORT 25 sx @ 2207', 100 @ 1322', 40 @ 309',
10 @ 40', 30 Rat, 205 sx 60/40 Poz Ray Dinkel

RESERVE PIT 850 bbls., Chl. 800

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKc C 3738- 3760'	27# 76# 5"	1186# 60"	81# 329# 60"	1158# 90"	1831# 1793#	680' M, Wtr Chl. 78k
2	LKc H 3832- 3860'	17# 25# 5"	1174# 60"	29# 54# 30"	1043# 30"	1882# 1857#	80' W, Mud w/ s.o.
3							
4							
5							
6							
7							
8							

MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	3083'					
2	3445'	9.0	49			
3	3567'	9.0	50	6.4	1.1k	17
4	3650'	9.0	49			
5	3730'	9.2	62			
6	3815'	9.0	50	6.4	1.2k	23
7	3880'	9.5	49			
8	3945'	9.3	54			
9	3990'	9.3	56	7.2	1.2k	23
10						
11						

Displaced

LCM 2#

LCM 2#

LCM 2#

LCM 2#

LCM 2#

LCM 2# #9765

BIT RECORD

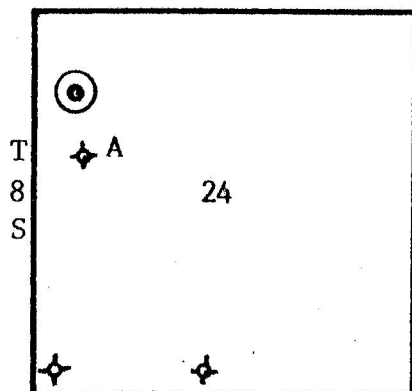
NO	SIZE	MAKE	TYPE	DEPTH-OUT	FEET	HOURS
1	12 1/2"	Smith	RR	259'	259'	2 1/2
2	7 7/8"	Smith	F-27	3990'	3731'	69
3						
4						
5						
6						
7						

FORMATION TOPS & STRUCTURAL GEOLOGY

R 27 W

REFERRED TO:

A: AURORA GASOLINE
#1 Pendergrass C SW NW 24
 B: _____
 C: _____
 D: _____
 E: _____



STRATIGRAPHIC MARKERS	SUBJECT WELL		STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D E
Anhydrite	2188'	2188'	+ 362	+ 358			
Base	2225'	2222'	+ 328	+ 325			
Topeka	3473'	3469'	+ 919				
Heeb. Sh.	3682'	3682'	-1132	-1143			
Toronto	3701'	3704'	-1154	-1166			
Lansing	3715'	3722'	-1172	-1184			
BKc.	3938'	3939'	-1166	-1399			
TD	3990'	3990'	-1440	-1767			

Pipe strap .69' long.

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

SUMMARY

The Ruby #24-1 well was drilled with WW Drilling tools rig #6 beginning 4-27-12 and drilling was completed 5-2-12.

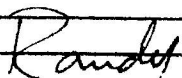
The drill site was located via a 3-D seismic survey. The well ran high structurally to the dry hole south.

Poor oil shows were encountered in the pay zones.

Both DST #1 & #2 were negative. The electric log was also negative.

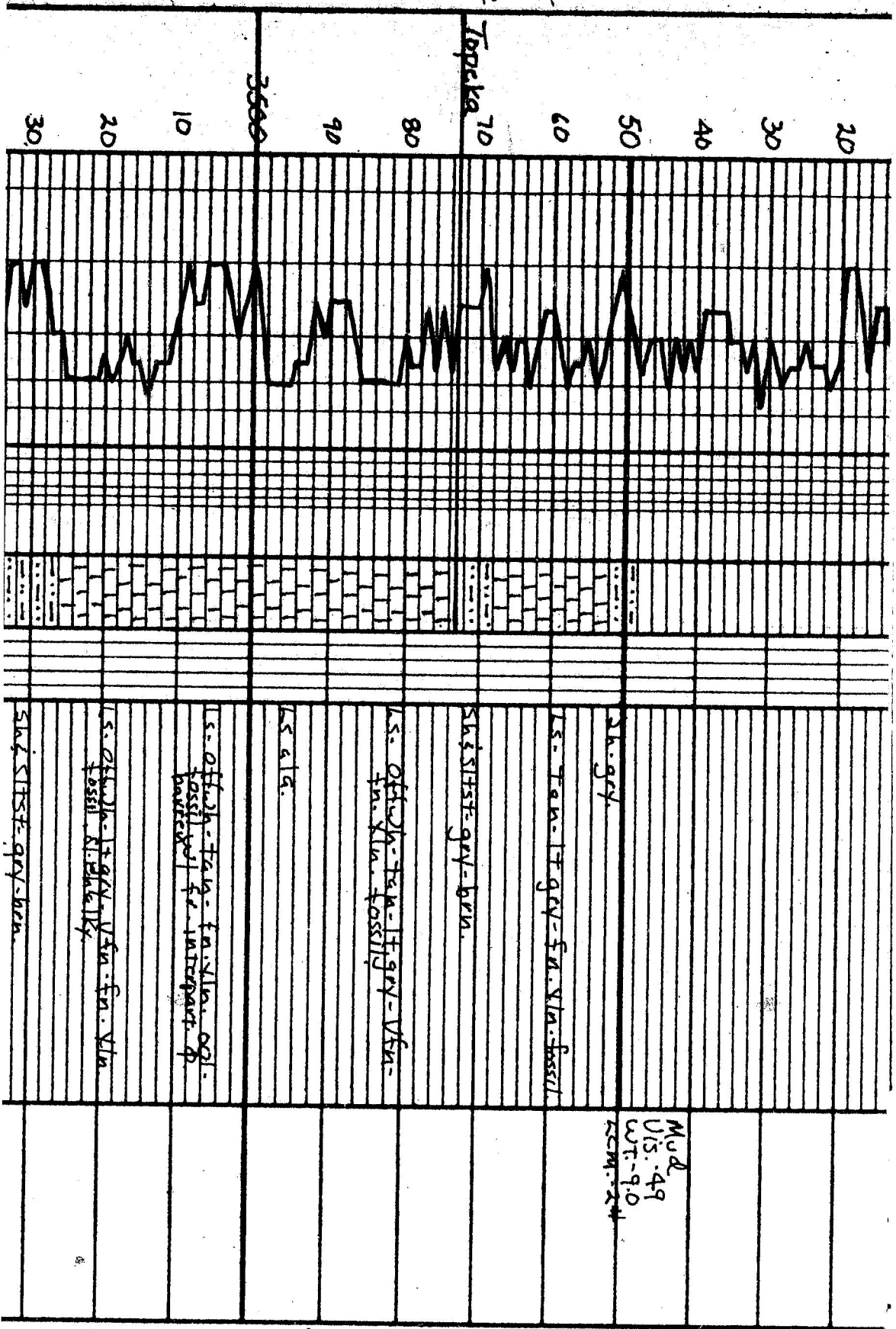
Based upon all data, the well was plugged as a dry hole.

Respectfully,

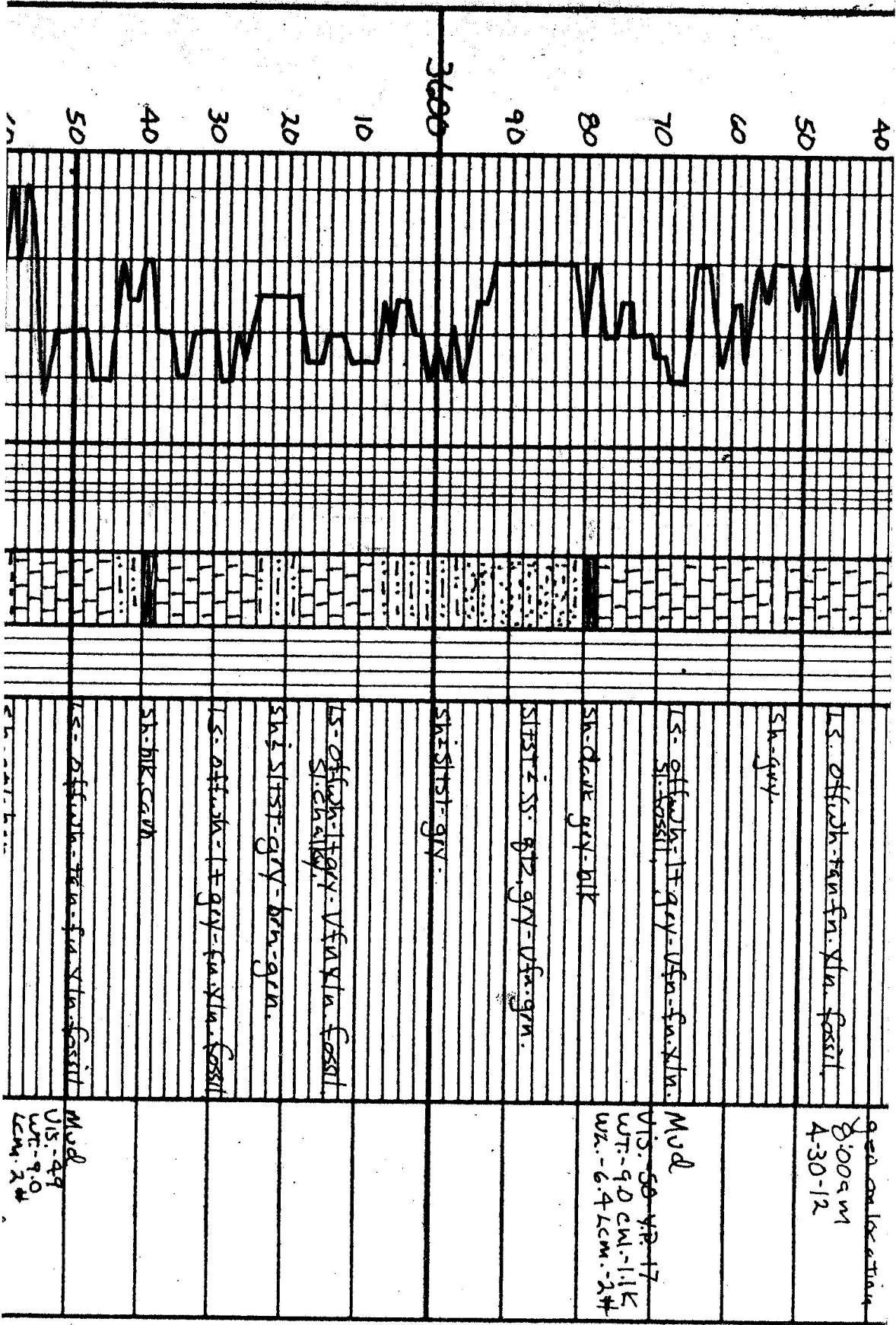


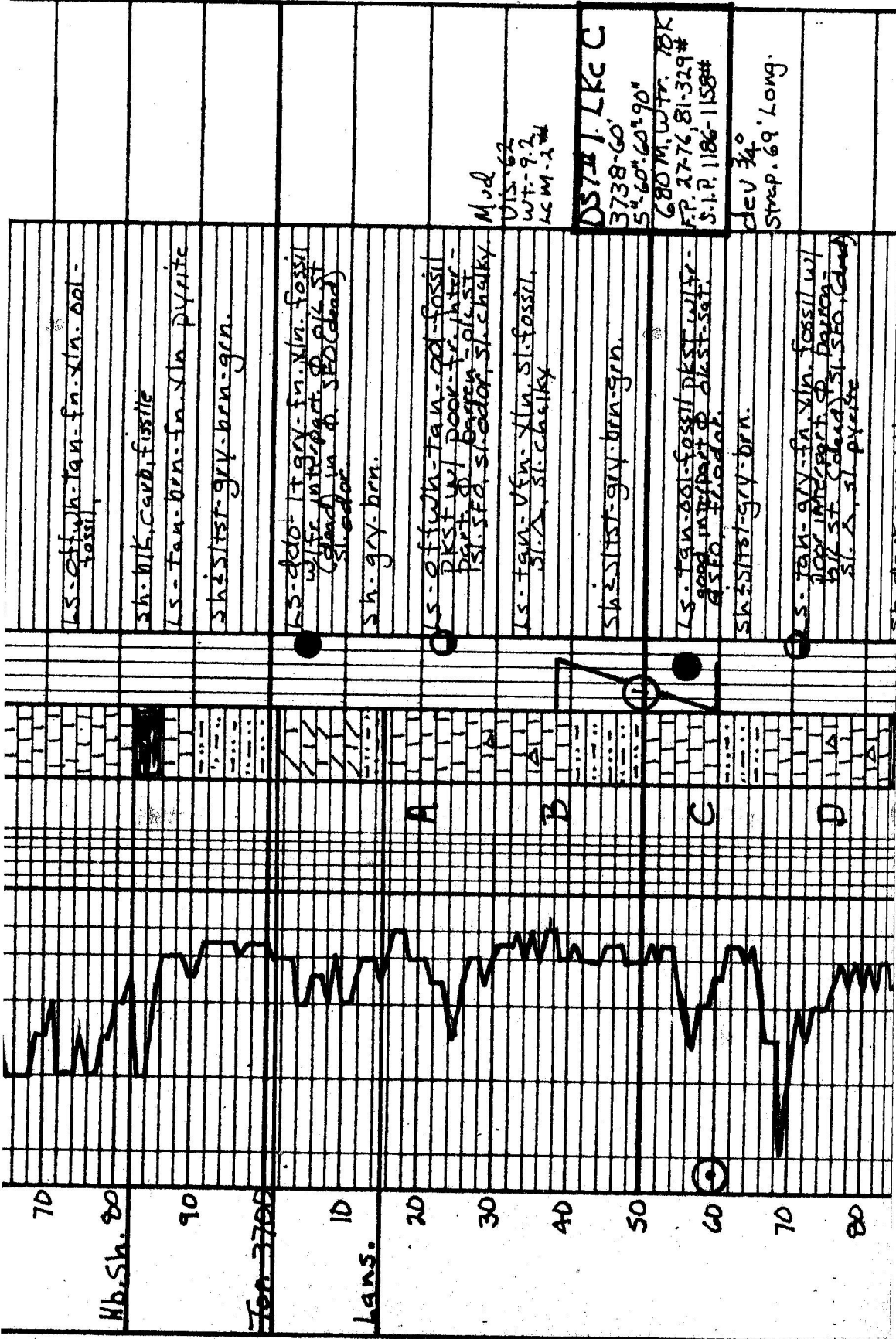
Randall Kilian

Displaced 6.3083'



Mud
Vis: 49
WT: 9.0
RCM: 24





LS - off wh - tan - fn. xln. ool - fossil

sh. blk. carb. fissile

LS - tan - brn - fn. xln. pyrite

sh. siltst - gry - brn - gen.

LS - dol - 17 gry - fn. xln. fossil w/ fr. interpart. (good) in sh. siltst (sh. dol)

sh. gry - brn.

LS - off wh - tan - ool - fossil part w/ poor fr. interpart. siltst. sh. dol, sh. cherty

LS - tan - vfn. xln. siltst. fossil. siltst. sh. cherty

sh. siltst - gry - brn - gen.

LS - tan - ool - fossil part w/ fr. good interpart. sh. dol, sh. cherty

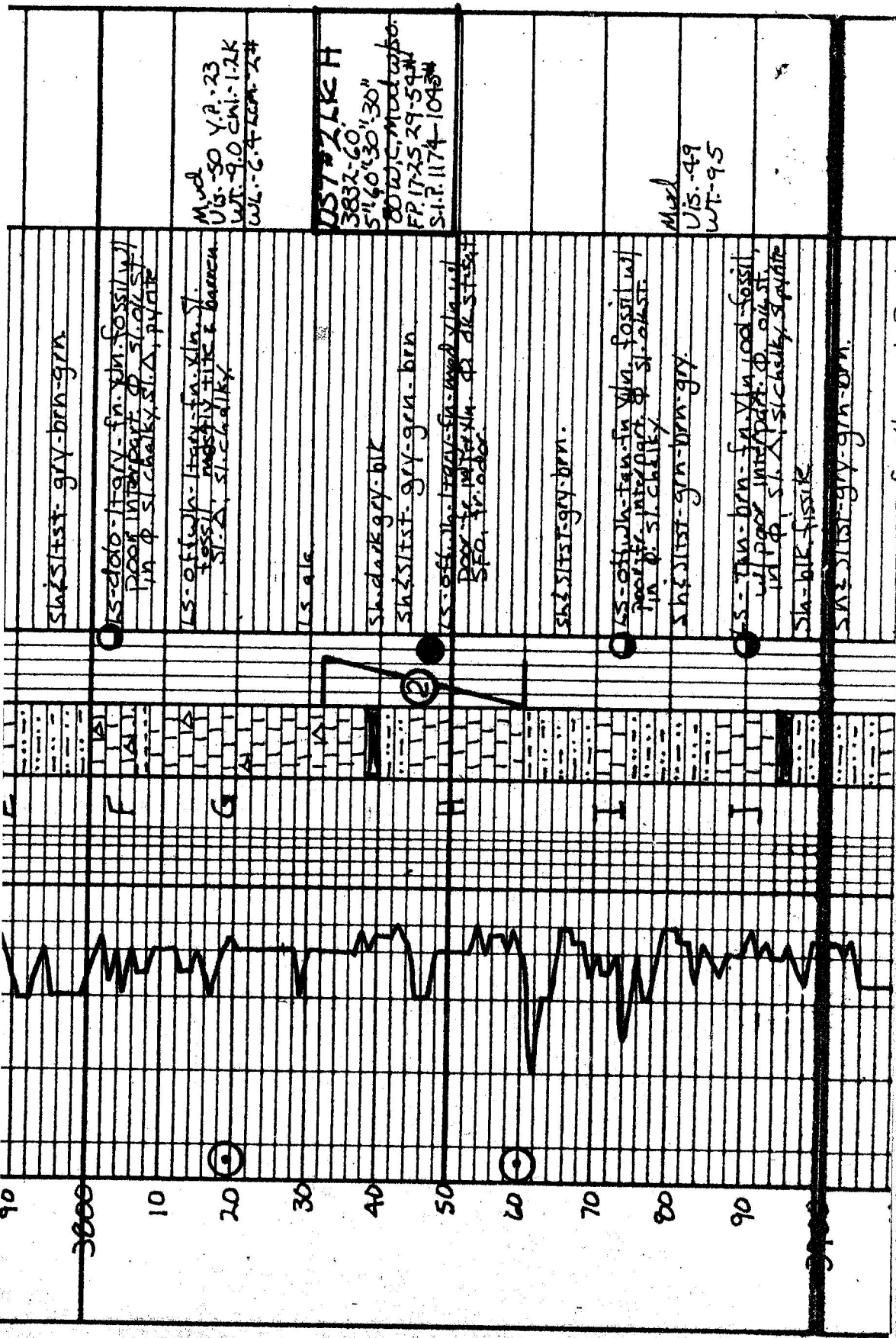
sh. siltst - gry - brn.

LS - tan - gry - fn. xln. fossil w/ poor interpart. sh. dol, sh. cherty siltst. sh. pyrite

Mod
VLS-62
WT-9.2
LCM-2.2

DS1#1 LKc C
3738-60'
5° 60' 60° 90"
680 M. W. Fr. 18K
FP 27-76, 81-329#
S.I.P. 1186-1158#

dev 3/4°
Strap. 69' Long.



Mud
US-50 Y.P.-23
WT-9.0 chl-1.2K
WL-6.4 km-2#

US 7# 2 LKH
3832-60
5' 60" 30" 30"
80 W.C. mod to 50-
FP 17-25 29-59 W
SI.P. 1174-1045 W

Mud
US-49
WT-9.5

sh. siltst. - gray-brn-grn

ls. - dol. - tan-grn. - fm. - fossil. w/ poor interpart. of sl. ch. & pyrite in p. sl. chalky, s.l. Δ, pyrite

ls. - off wh. - tan-grn. - fm. - fossil. w/ poor interpart. of sl. ch. & pyrite in p. sl. chalky, s.l. Δ, pyrite

ls. - a/c

sh. dark gray - blk

sh. siltst. - gray-brn-grn

ls. - off wh. - tan-grn. - fm. - fossil. w/ poor interpart. of sl. ch. & pyrite in p. sl. chalky, s.l. Δ, pyrite

sh. siltst. - gray-brn-grn

ls. - off wh. - tan-grn. - fm. - fossil. w/ poor interpart. of sl. ch. & pyrite in p. sl. chalky, s.l. Δ, pyrite

sh. siltst. - gray-brn-grn

ls. - tan-brn-grn - fm. - fossil. w/ poor interpart. of sl. ch. & pyrite in p. sl. chalky, s.l. Δ, pyrite

sl. - blk - fissile

sh. siltst. - gray-brn-grn

