RON NELSON

CONSULTING PETROLEUM GEOLOGIST
3322 LINCOLN DRIVE
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GEOLOGIC REPORT LOG

COMPANY Downing-Nelson Oil Co. Inc.

WELL Nicholson-Loyd # 1-23

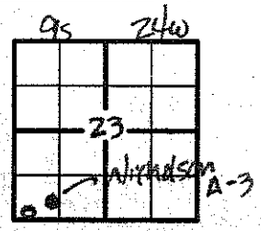
FIELD

LOCATION 100'FSL - 335' FWL

SEC. 23 TWP. 9s RGE. 24w

COUNTY Graham

STATE Kansas



PRODUCTION Lans

ELEVATION KB 2488
DF
GL 2480

Drilling Measured From: 2488 KB

Samples Saved From 3750 To: TD
Drilling Time From 3500 To: TD
Samples Examined From: 3750 To: TD
Geological Supervision From 3500 To Total Depth
Wellsite Geologist Ann Downing
Electrical Surveys Superior
CNL/GR - Sonic
MicroLog - Dual Induction

OPERATOR DNOCI
CONTRACTOR Discovery Drilling Rig #1
COMM: 10-4-11 COMP: 10-9-11

CASING RECORD

SURF: 8 5/8" - 221' PROD: 5 1/2 - 4108'
TOTAL DEPTH DRILLERS: 4100
TOTAL DEPTH LOG 4095

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Anhydrite	2130	2130	+358	-3
Base	2168	2164	+324	-2
Topeka	3572	3570	-1082	FL
Heebner	3785	3784	-1296	+2
Toronto	3808	3808	-1320	+3
Lansing	3828	3825	-1337	+5
BKC	4050	4050	-1562	+4

REFERENCE WELL FOR STRUCTURE Don Pratt
Nicholson "A" #3 SE-SW-SW (1695' NE of Nich-Loyd)
Sec 23-9s-24 Graham Co., Ks.

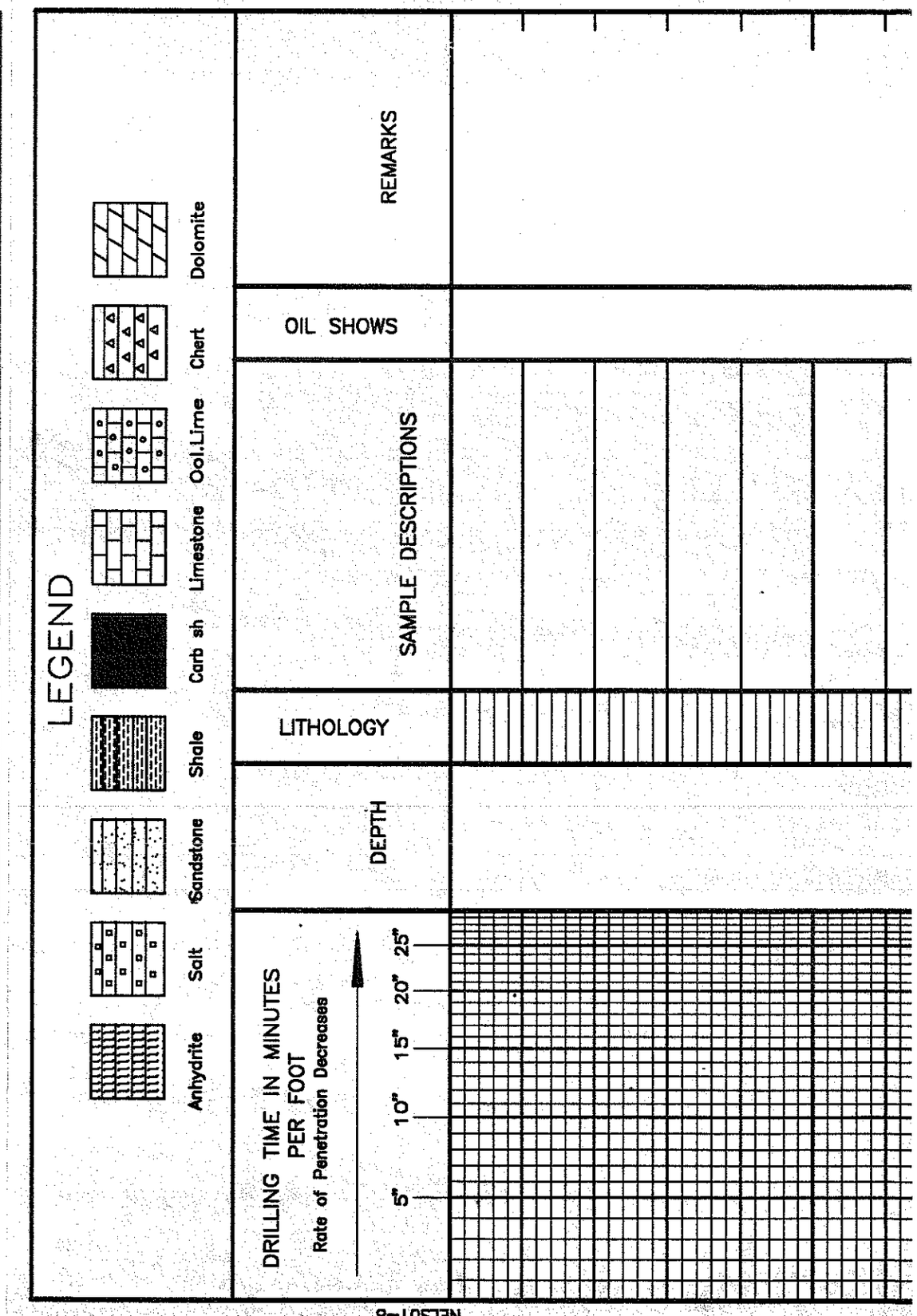
DAILY PENETRATION		BIT RECORD						
DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS

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

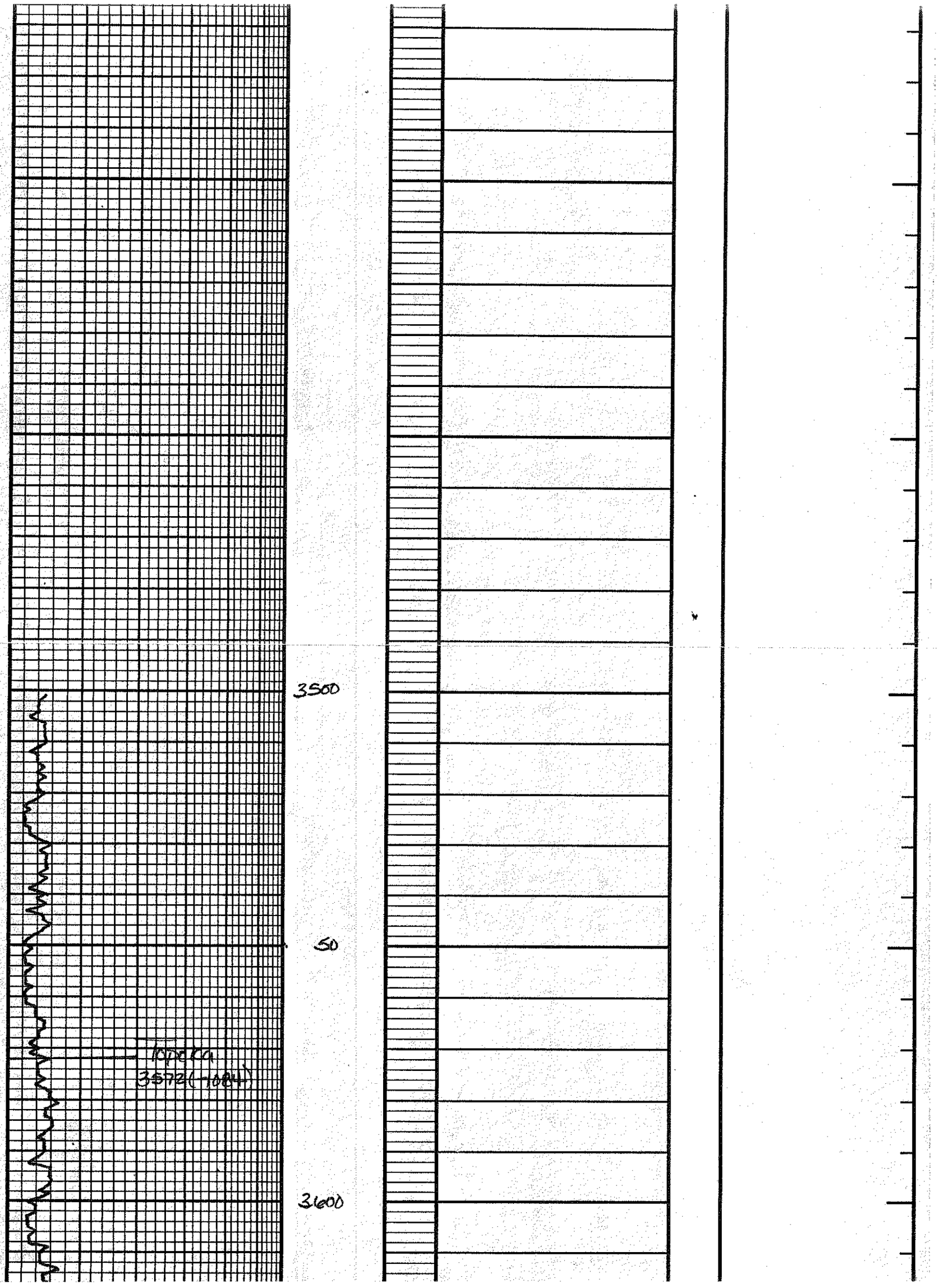
DRILL STEM TESTS

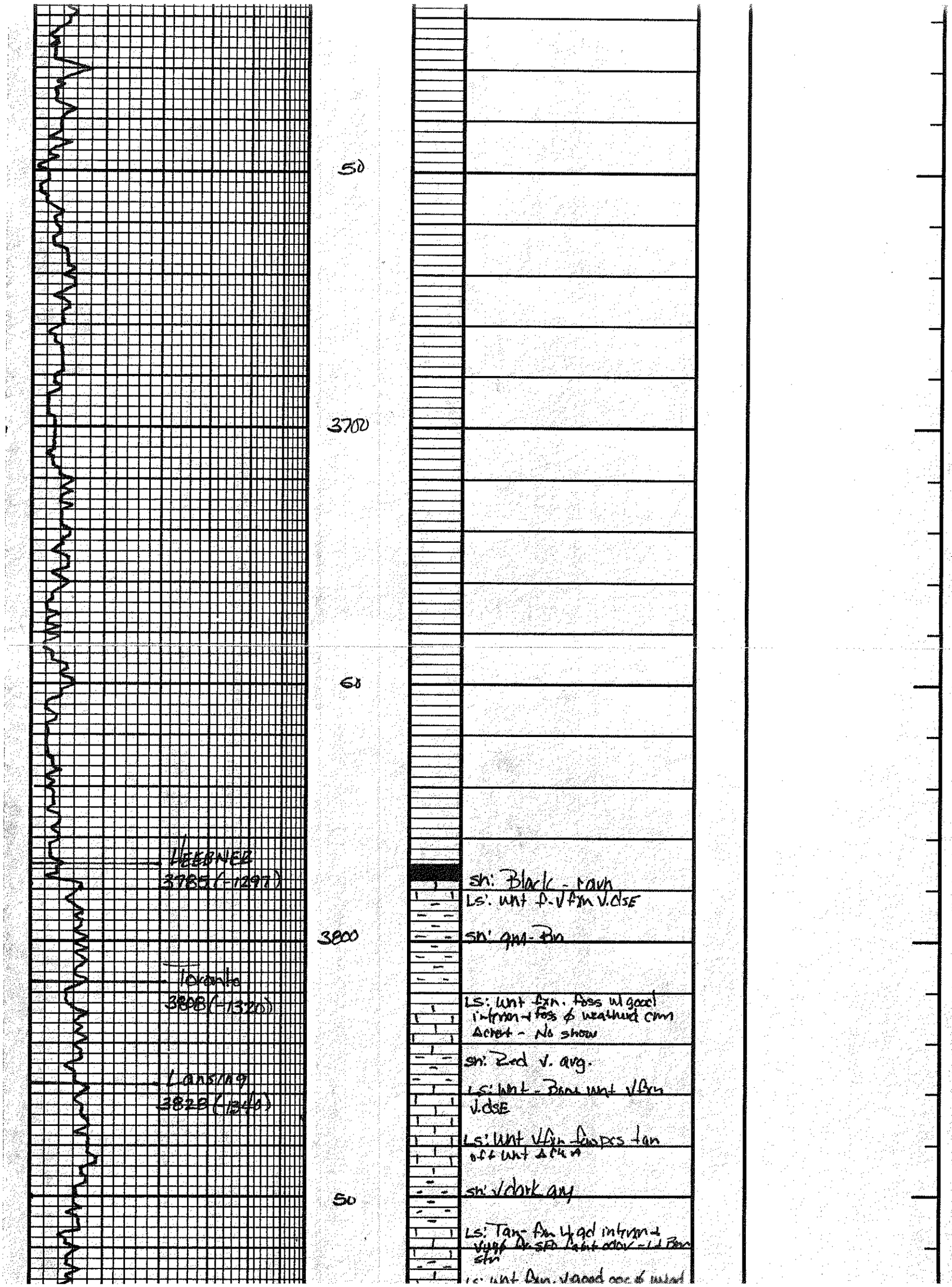
No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH–FHH	RECOVERY

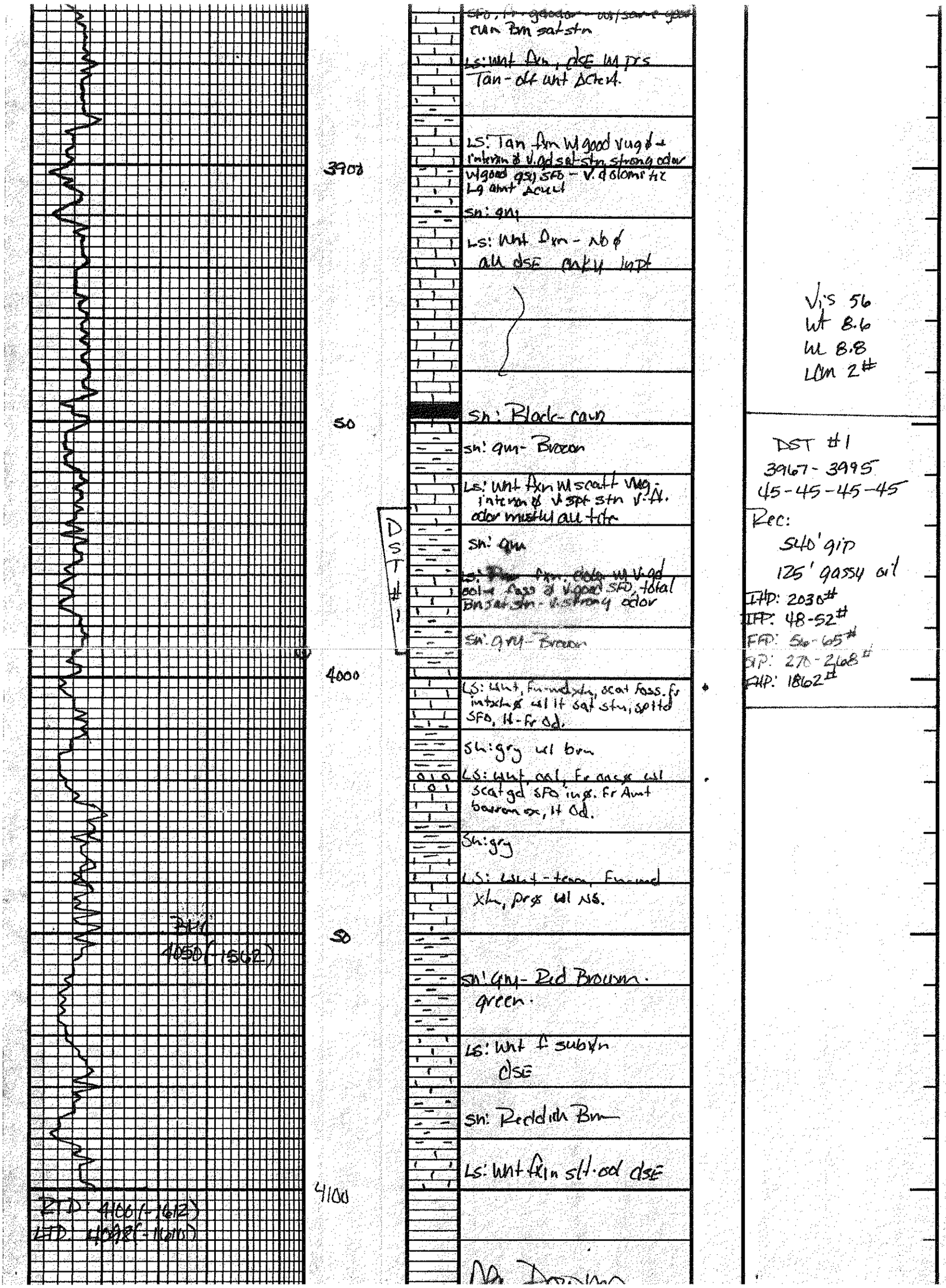
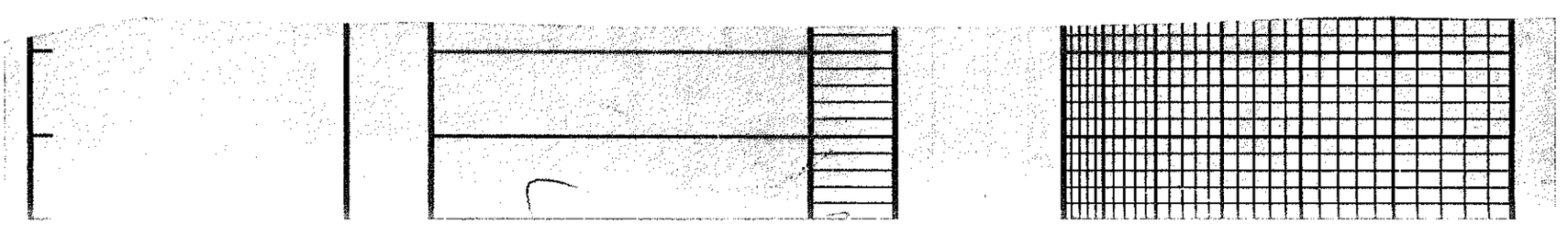
REMARKS AND RECOMMENDATIONS



NELS01-8


3500
50
Topeka
3572(-1084)
3600


50
3700
60
HEEBNER
3785 (-1297)
3800
Toronto
3808 (-1320)
Lansing
3828 (-1340)
50
sh: Black - brown
Ls: unt f-vfxn v.dse
sh: gm-Brn
Ls: unt fxn. foss w/ good intxn + foss & weathered cmm
Acrot - No show
sh: Red v. avg.
Ls: unt - Brn unt vfxn v.dse
Ls: unt vfxn foss tan off wht Acrot
sh: v dark gry
Ls: Tan- fxn vgd intxn + vugs Dusty Light odor - Lt Brn stn
Ls: unt fxn. v good oo & intxn


3900
50
4000
50
4100
Ben
1050' (-1562)
TD 4100' (-1612)
LTD 4098' (-1610)
DST #1
sh: Black-coun
sh: gm- Brown
sh: gm
sh: gry- Brown
sh: gry
sh: Reddish Brn
Vis 56
Wt 8.6
WL 8.8
LCM 2#
DST #1
3967-3995
45-45-45-45
Rec:
540' gip
125' gassy oil
IHP: 2030#
IFP: 48-52#
FFP: 56-65#
SIP: 270-2608#
FHP: 1862#