

MBC WELL LOGGING LLC

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: BATMAN B-4 AFE: 60868 MERIT ENERGY
API: 15-081-22171
Location: HASKELL CO. KS USA
License Number: 5447
Spud Date: 2-21-2018
Surface Coordinates: 752'FEL 1193'FNL, SEC 10-T28S-R33W
Bottom Hole Coordinates: HLS-DIL/SP/GR CNL/CAL/PE/BHV SONIC SFC
Ground Elevation (ft): 2979' K.B. Elevation (ft): 2991'
Logged Interval (ft): 4100' To: 5655' Total Depth (ft): ELOG 5662'
Formation: MISSISSIPPI RUN PROD CSG
Type of Drilling Fluid: WBM, MUDCO TONY MAESTAS (316)-772-6679
Region: SANTA FE NORTH
Drilling Completed: 2-25-2018
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

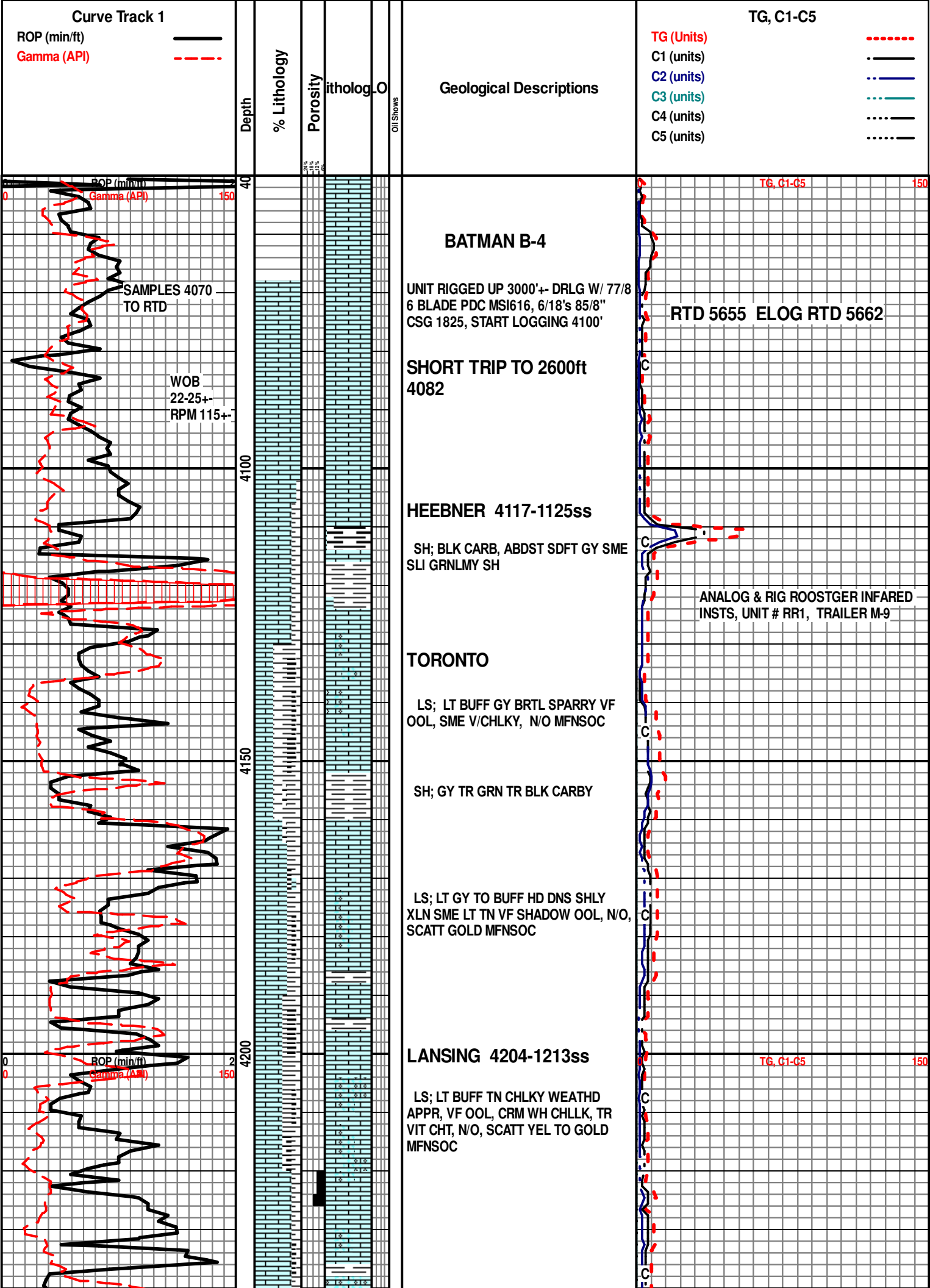
Company: MERIT ENERGY CO LLC
Address: ATTN: MATTHEW GARVIN GEOLOGY
13727 NOEL RD STE 1200
DALLAS, TEXAS 75240

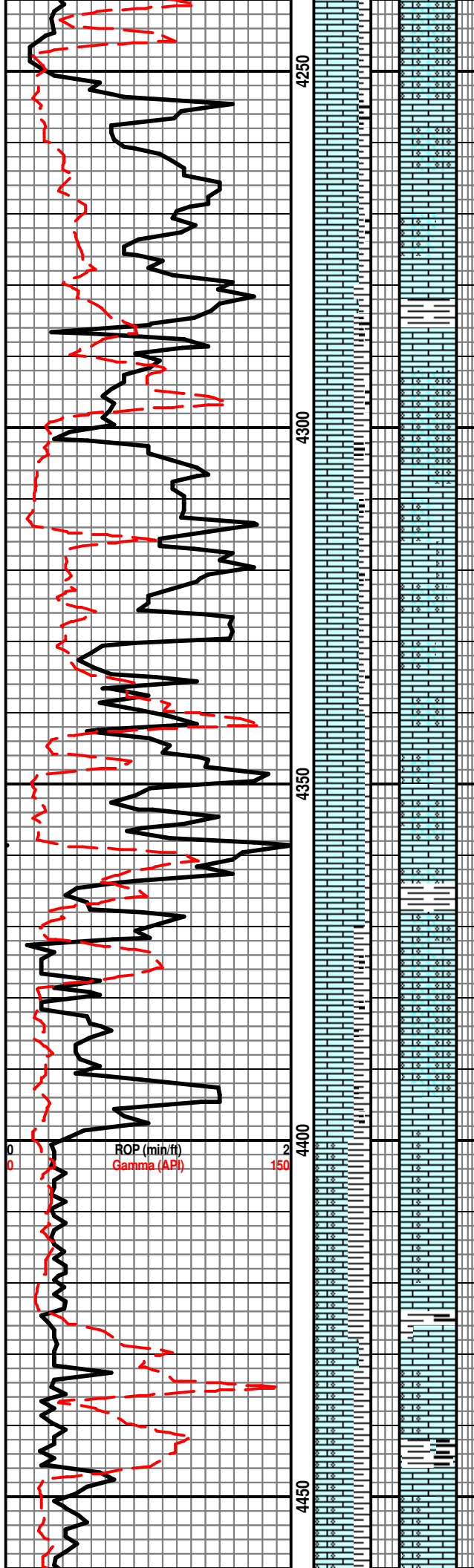
MUDLOGGER

Name: A. GARNER
Company: MBC WELL LOGGING LLC
Address: 21156 RD 22
MEADE, KANSAS 67864

ROCK TYPES

	Anhy		Stgensndy-arkos		Sltst-1		Stgensndy-arkos
	Brec		New ls-1		Sltly-shale		Sndy ool ls
	Cht		Carby shale		Lmy ss-1		Sndy-ls-1
	Coal		Lmy carby sh-3		Arkosic snd		Calc shale
	Congl		Carb sh		Ss		Granitewash
	New dolomite		Gyp		Grn sh strk		Ls shly-b
	Dolo new		Sltst		Lmy sh-2		Poor sortd ss
	Newdolo ls 2		Salt		Grn mott gy sh		Snd-ls-sh
	Ls & ooids		Sndy sh--red		Shale-1		
	Oolitic ls -1		Sndy sh		Red sh-1		





LS; TN P/SRTD VF F OOLCAS SME
CHLK FILL CASTS, SME
BIOSPARITIC//OOLC & OOL, SUGARY,
N/O, BRITE GOLD MFNSOC

SH; DK GY BLK, LMY

LS; TN SLI SUGARY, FTP MED
OOLCAS, CHLK FILL LSPARRY, N/O
YEL GOLD MFNSOC

DK GY HD XLN SHLY LS

LS; PALE WH TO TN SPARRY MED
OOLACAS, SUGARY, ABDT CRM WH
CHLK, N/O, BRITE LGOLD TO PURPL
MFNSOC

LS; GYISH TN MED OOLCAS & OOL,
SUGARY, TO SPARITIC, SLI SHLY IP,
WH CHLK, CLR VIT ANG CHT, TR BRITE
GOLD MFNSOC N/O

TOH NB NR 3

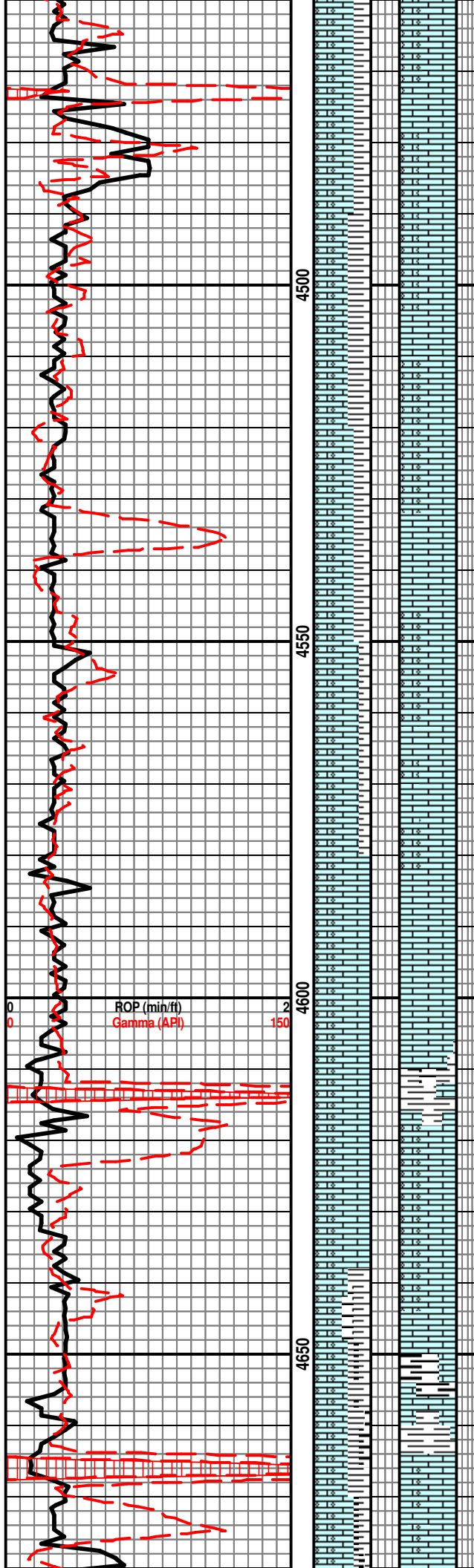
LS; TN DHADOW VF OOL, MOSTLY
CHLK, MFNSOC

SAMPLES GROUND UP
TRASHY

SH; DK GY SME BLK CARBY

TG, C1-C5

150



LS; TN TO BUFF WH CHLKY W/VF F
SHADOW OOL, FAINT GOLD MFNSOC

GY BRN HD DNS CRYPT XLN

LS; TN BUFF WEATHD APPR,
W/SHADOW VF F OOL, SME SPARRY,
WEAK GOLD FAINT FLOR NSOC

LS; PLAE GYISH TN P/SRTD F TO
MED OOC SPARRY, FAINT GOLD FLOR
NSOC

TR TN SPARRY VF OOLCAS, PRED LT
TN HD XLN ABDT CHLK, FAINT GOLD
MFNSOIC

LS; LT TO DK TN HD XLN CHLK
EDGES OCC OOL, MFNSOC

DK TN HD XLN LS

STARK SH 4612-1621ss

SH; BLK CARB SH

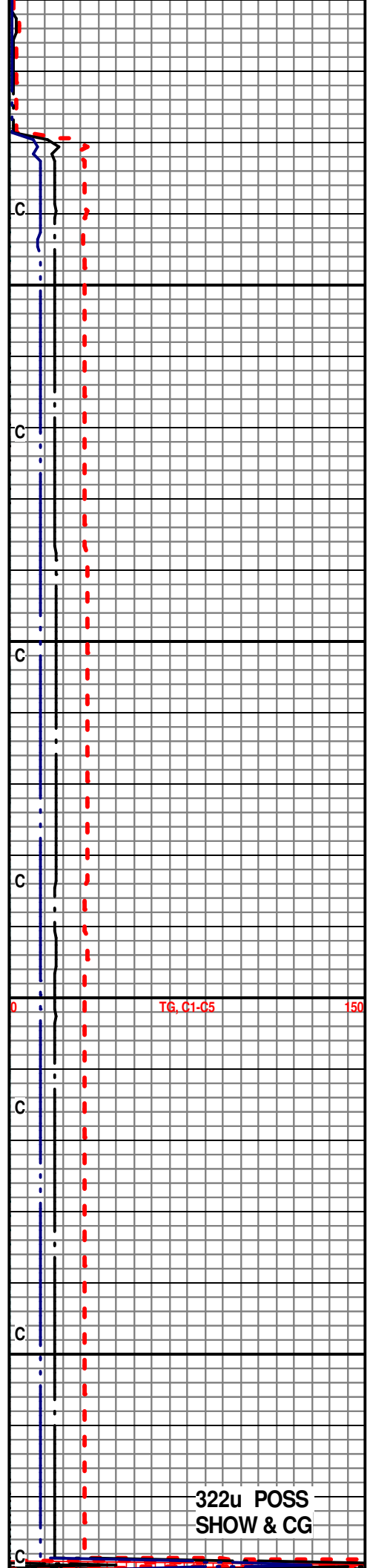
SWOPE 4622-1623ss

LS; DK BRN GY HD DNS SHLY XLN

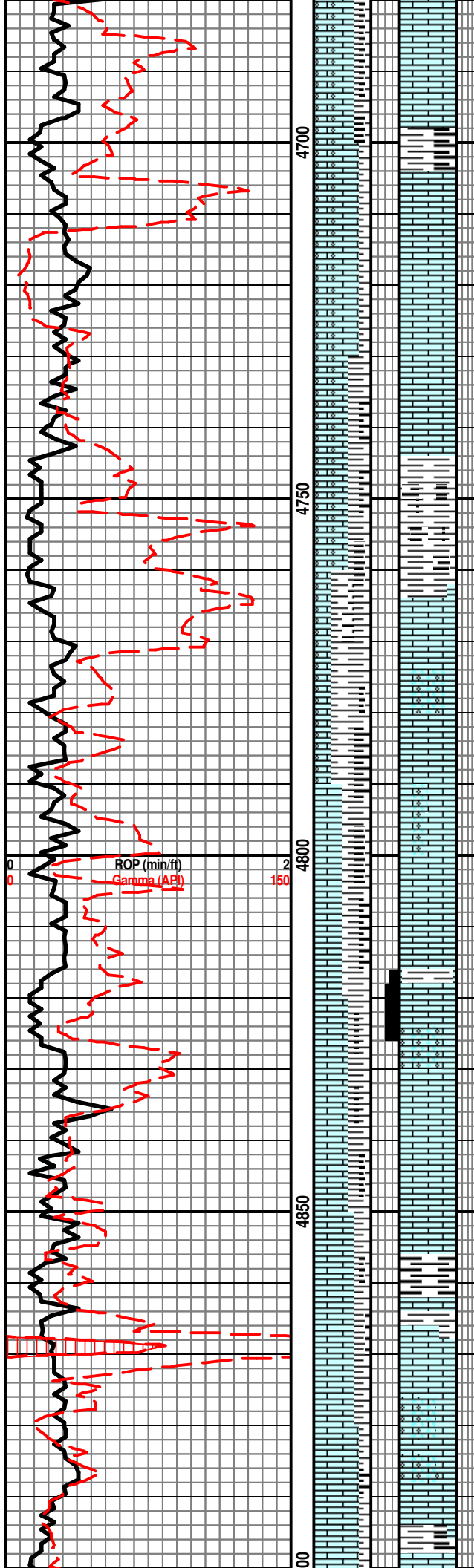
LS; TR LT BRN BUFF, VF OOL, SME
VUG POR, PALE PURPL TO V/PALE
YEL FLOR NSOC

BLK CARBY SH

LS; LT TN GYISH SPARRY F & MED
OOLCAS, THIN RIM COAT, TO SPAR
CMTD F OOL, STYOLITIC CHLK,
PUPRL W/SME WEAK YEL MFNSOC



322u POSS
SHOW & CG



LS; LT BUFF WEATHD APPR, CHLKY
HEAVY RIM COAT F OOL, SMETNHD
DNS SW/OOL, FAINT GOLD MFNSOC

SH DK GY GY SME B LK

LS; TN BUFF VF OOL, PURPL SM
GOLD FLOR NSOC N/O

PLST SH

SH GY DKS GY BRN, BLKY SLI CALC,
CARBY PYR

MARMATON 4778-1780ss

LS; TN TO LT GYISH HD DNS IP,
CHLKY VF OOL IP, MFNSOC

LS; LT GYISH BRN, VF FOSS & OOL,
PYR, PUPRL SME FAINT GOLD FLOR
NSOC N/O NO EVD HYDROCARBON IN
SAMPLES

LS; CRM BUFF CHLKY SHADOW
OOL, WEAK GOLD FLOR NSOC N/O

NEVG 4835-1844ss

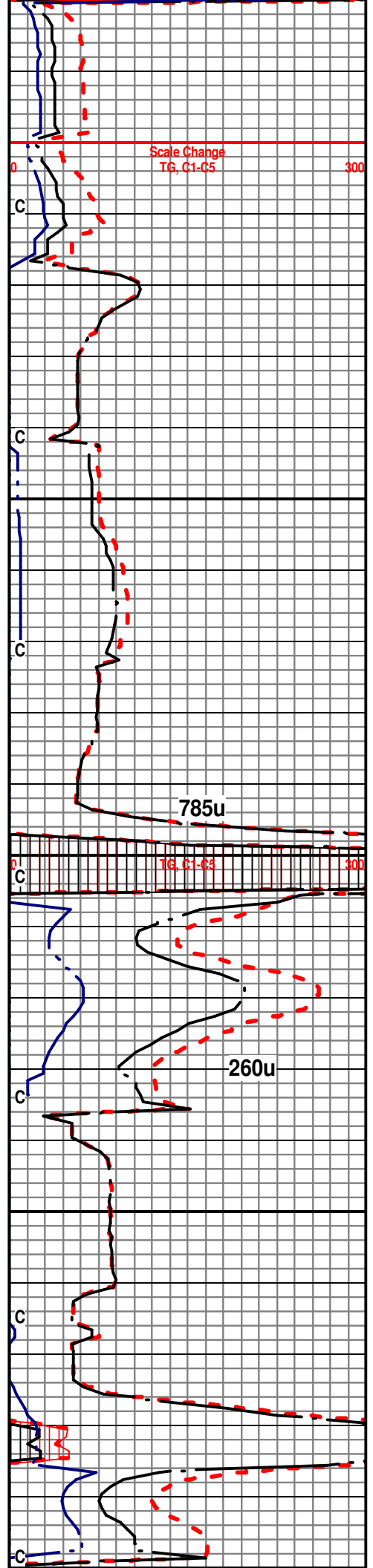
LS; TN HD DNS XLN SME VF
SUCROSIC W/P-SORTED GY PELL, NO
HSOW

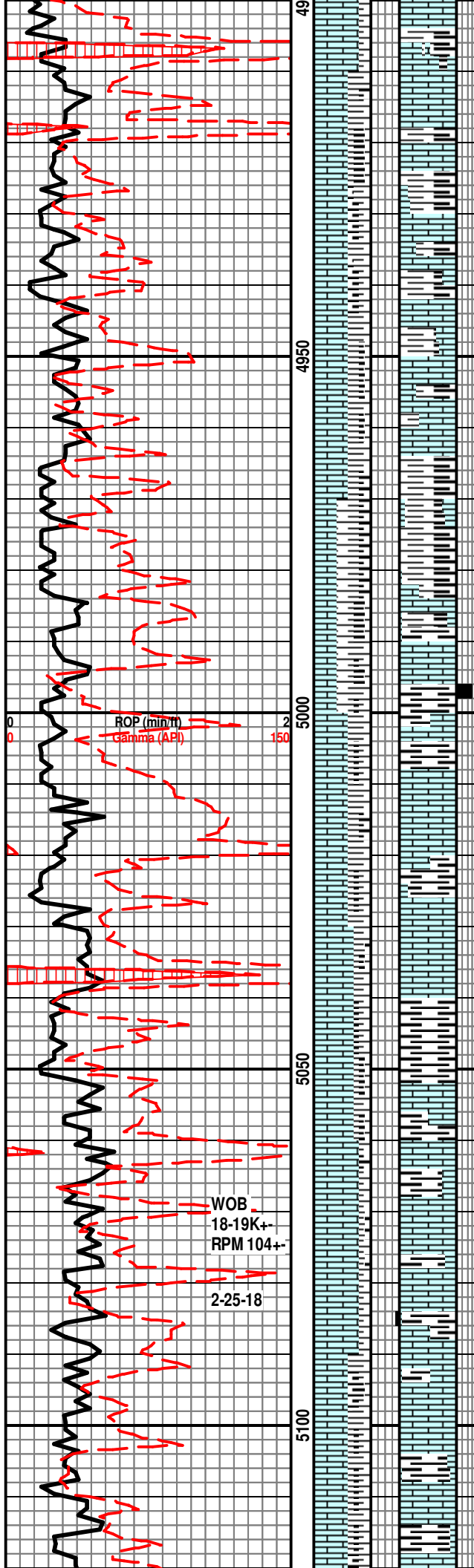
SH BLK BLKY CARBY

BANDERA SH

PAWNEE 4871-1880ss

LS; PALE TN BUFF, VF OOL IP,
V/CHLKY PURPL SME FAINT GOLD
FLOR NSOC N/O





BLK CARBY SH SME DULL DK GY
CALC

CHEROKEE 4919-1927ss

LS; TN CRM TN CHLKY BIO/VF OOL
IP, FREE FUS/FOSS, INCRS DK BRN
LXNLS PURPL TO FAINT GOLD FLOR
NSOC N/O

SH; BLK DK BRN GY BLKY MICA PYR

LS; TNSPAPRITIC, P-SRTD FOSS
FRGS SME VF OOL, PURPL FLOR
NSOC N/O

SH; DULL DK BRN TO BLK, FREE PYR
CLSTRS

LS; TN HD DNS FRGRTL, SME SHLY,
IMBD TN LS PCES, FAINT GOLD FLOR,
NSOC N/O

SH BLK CARBY

LS; LT PALE GY BUFF, HD DNS SHLY
INTBD BLK CARBY SH, FAINT GOLD
MIN FLOR NSOC N/O

ATKN GRP 5145-2073ss

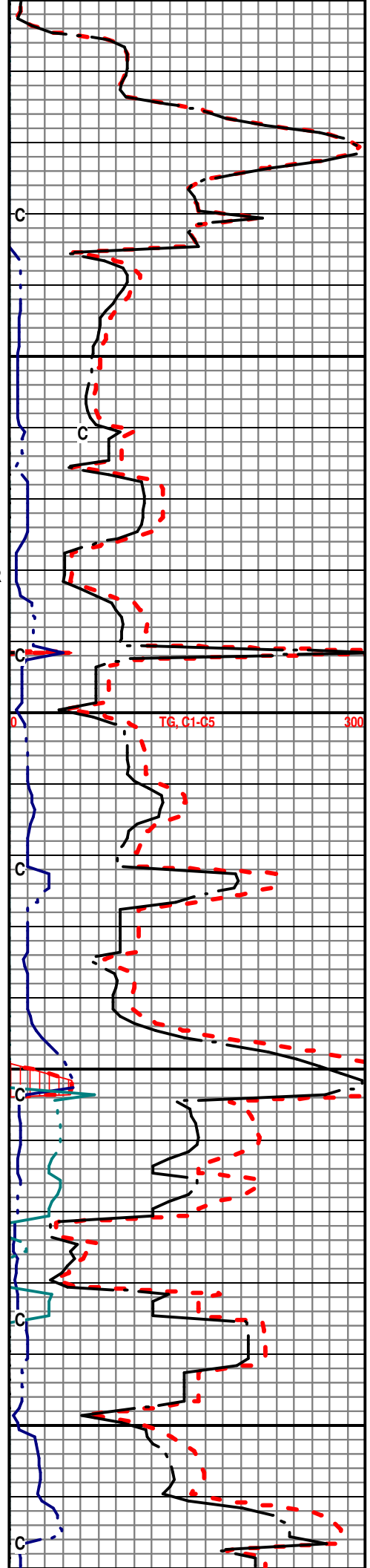
LS; TN HD DNS XLN FRAC, SHADSO
FOSS, MFNSOC N/O

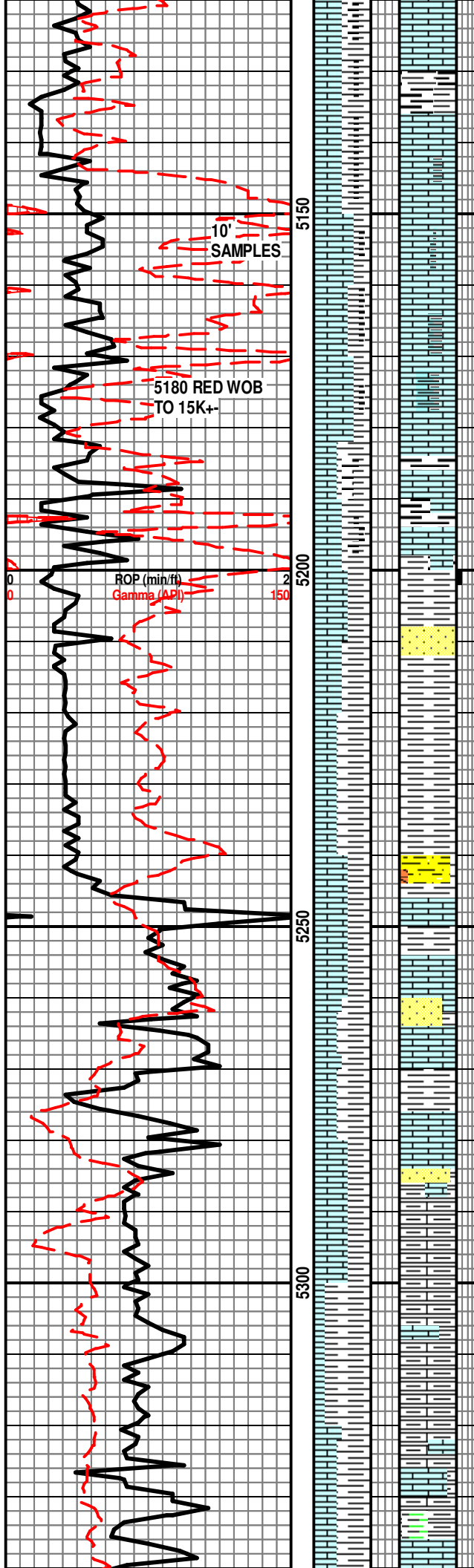
SH; BLK DULL CARBY

LS; TN GY BRN HD DNS XLN INTBD
CARBY SH

DK TNFOSDS CLN LS, SMESHLY, DK
GOLD FLOR NSOC

BLK BLKY SFT CARB SH





ATOKA 5145-2154ss

TN HD DNS XLN LS SME SHADOW VF
OOL XLN, WEAK GOLD MFNSOC N/O

DIRTY GY SHLY LS W/FOSS DEBRIS,
PYR, INTBD BLK CARB SH W/GYP
INCLUS NO SHOW

LS; DK BRN SME SPKLD BRN WH
BRTL W/VF OOL, CHLKY, GOLD
MFNSOC N/O

MORROW 5194-2202ss

SH; DULL DK GY BLK CARBY, SME
W/SPICULES, PYR, SME GY TO BLK
SPLNTY

SH; DK GRN GY GLAU, TR GR VF GRN
SS, LMY, MICA, NO SHOW

SH; DK GY GY SME LT GRN W/GLAU

MID MRW 5246-2254ss

SS; LT GRN FRI SHLY ABDT GLAU,
NFSOC

LS; TN FOSS HASH, TO WH HD DNS
VF SUCROSIC CHLKY, ABDT GLAU,
GOLD MFNSOC N/O

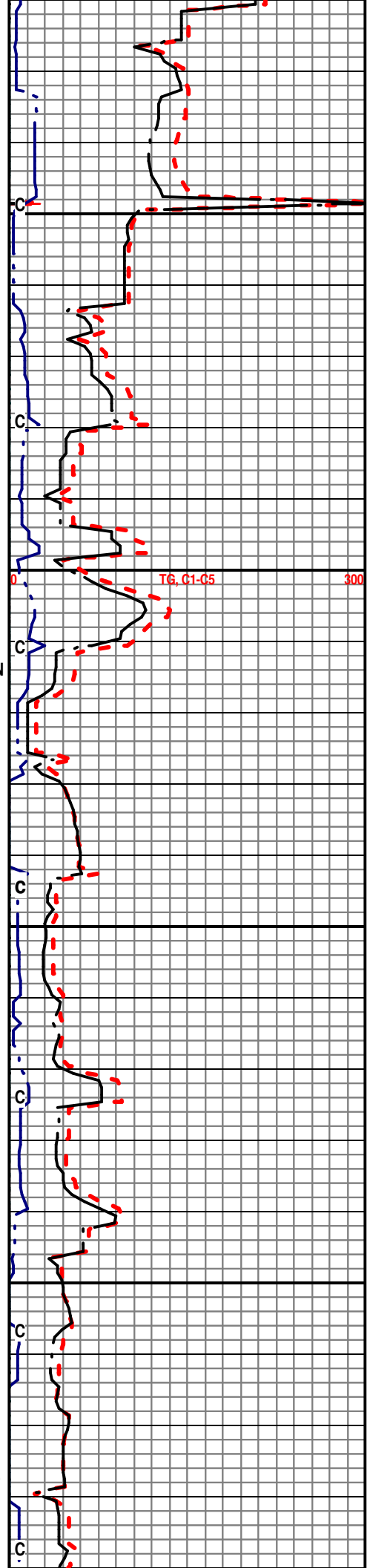
DK GY TO GRN VF GR SS PYR NO
SHOW

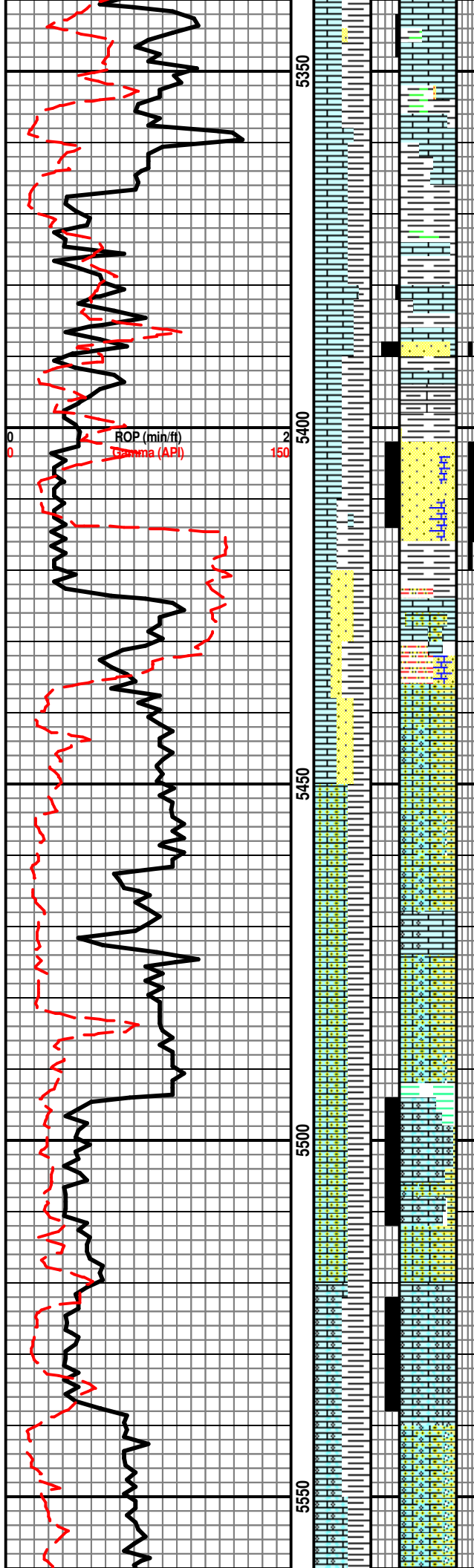
DK GRN XLN LS, TO DIRTY GY
IARLA WCRM FOSS FRGS, SHLY NO
SHOW

LS; TN CRM TR YEL FOSS HASH,
CHOR, PYR, GOLD MFNSOC N/O

LS; MOUSE GY HD DNS, SHLY FOSS
PRINTS IP, FREE PYR, SME CARB
MATL AT BASE

LS; BUFF GY TN HD TO CHLKY FOSS
HASH MFNSOC





LS; TN TO GY FOSS MISHMASH DNS
XLN TO CHLLKY GRITTY, INTBD SH,
N/O MFNSOC

SS; V/DK BRN VF GR, MED TT TO
FRI, OVRALL DK STNG, FAINT GOLD
TO ORNG FLOR, FLASH MILKY STRMG
CUT

CHESTER 5352-2361ss

SS; OVER LT TO DK BRN, STNG, CLR S-RD
GRNS, FRI, CALC, TR BLK VF PELL PROB GLAU,,
TR FREE DK BRN PP OIL SCATT PP GILSONITE,
GAS BUBLS AFTER SITTING UNDER MIC LIGHT
20min V/FAINT DK ORNG FLOR, FLASH MILKY
STRMG CUT, STRONG PUNGENT ODOR

WH HD VF GR VOID SS

LS; WH OFF WH HD AREN INTBD
ROSE SLTY SND RED SHLY

ST GEN 5436-2444ss

LS; WH GY WH AREN DNS NO SHOW

LS; WH CHKY OOL, SME AREN VF
OOL, PUPL FLOR NSOC N/O

WH GYISH SLI GRNISH AREN LS

LS; CRM WH CHLKY OOL IP, TR BUFF
SPAR CMTE TN F-OOL, PURL TO
FAINT GOLD MFNSOC N/O

AREN LS

ST LOUIS 5540-2549ss

LS; LS; LT BUFF CHLKY F-OOL, OCC
SPAR CMTE F OOL, SCATT WEAK
YEL FLOR PRED PURPL NSOC N/O

