

MBC WELL LOGGING LLC

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

Well Name: McWILLIAMS E-7 AFE: 61085 MERIT ENERGY
API: 15-055-22476
Location: FINNEY CO. KS USA
License Number: 5447
Spud Date: 4-02-2018
Surface Coordinates: 185'FEL 2125'FSL, SEC 21-T24S-R33W
Bottom Hole Coordinates: HLS-DIL/SP/GR CNL/CAL/PE/BHV SONIC SFC
Ground Elevation (ft): 2887' K.B. Elevation (ft): 2899'
Logged Interval (ft): 3852' To: 5269' Total Depth (ft): ELOG
Formation: MISSISSIPPI
Type of Drilling Fluid: WBM - MUDCO, JUSTIN WHITING (620)214-3630

Region: COWGILL

Drilling Completed: 4-08--2018

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

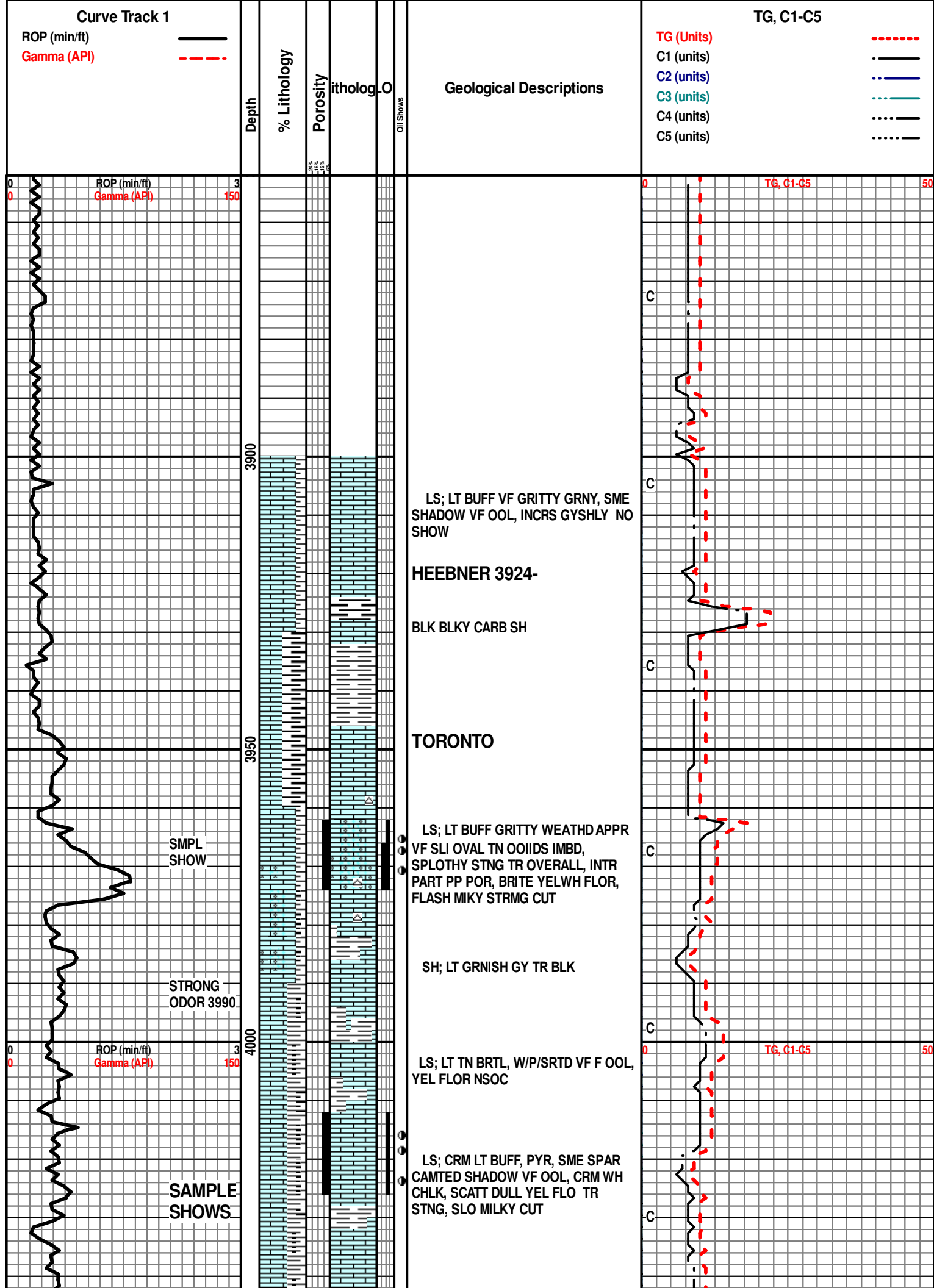
Company: MERIT ENERGY CO LLC
Address: ATTN: MARTIN LANGE GEOLOGY
13727 NOEL RD STE 1200
DALLAS, TEXAS 75240

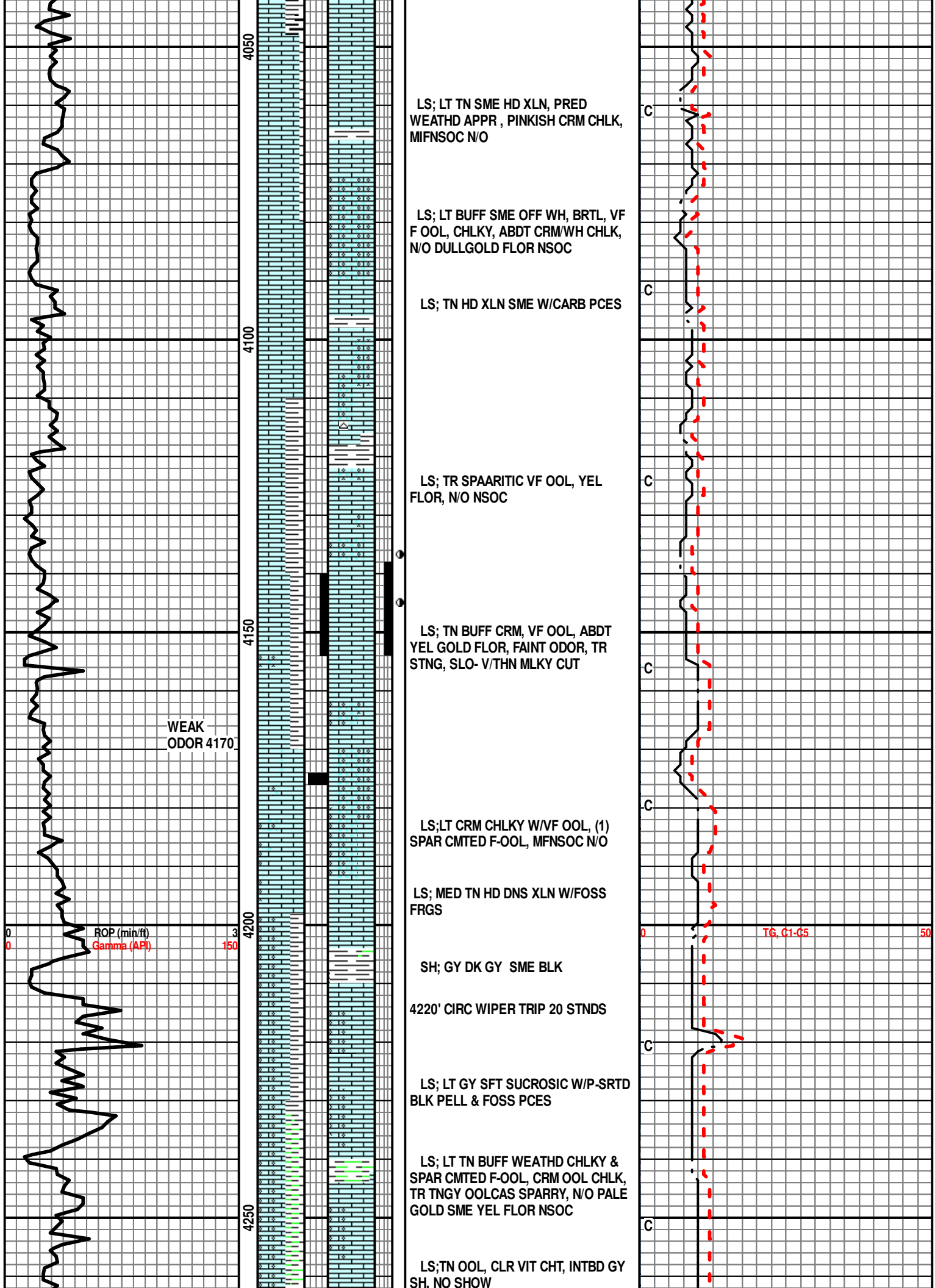
MUDLOGGER

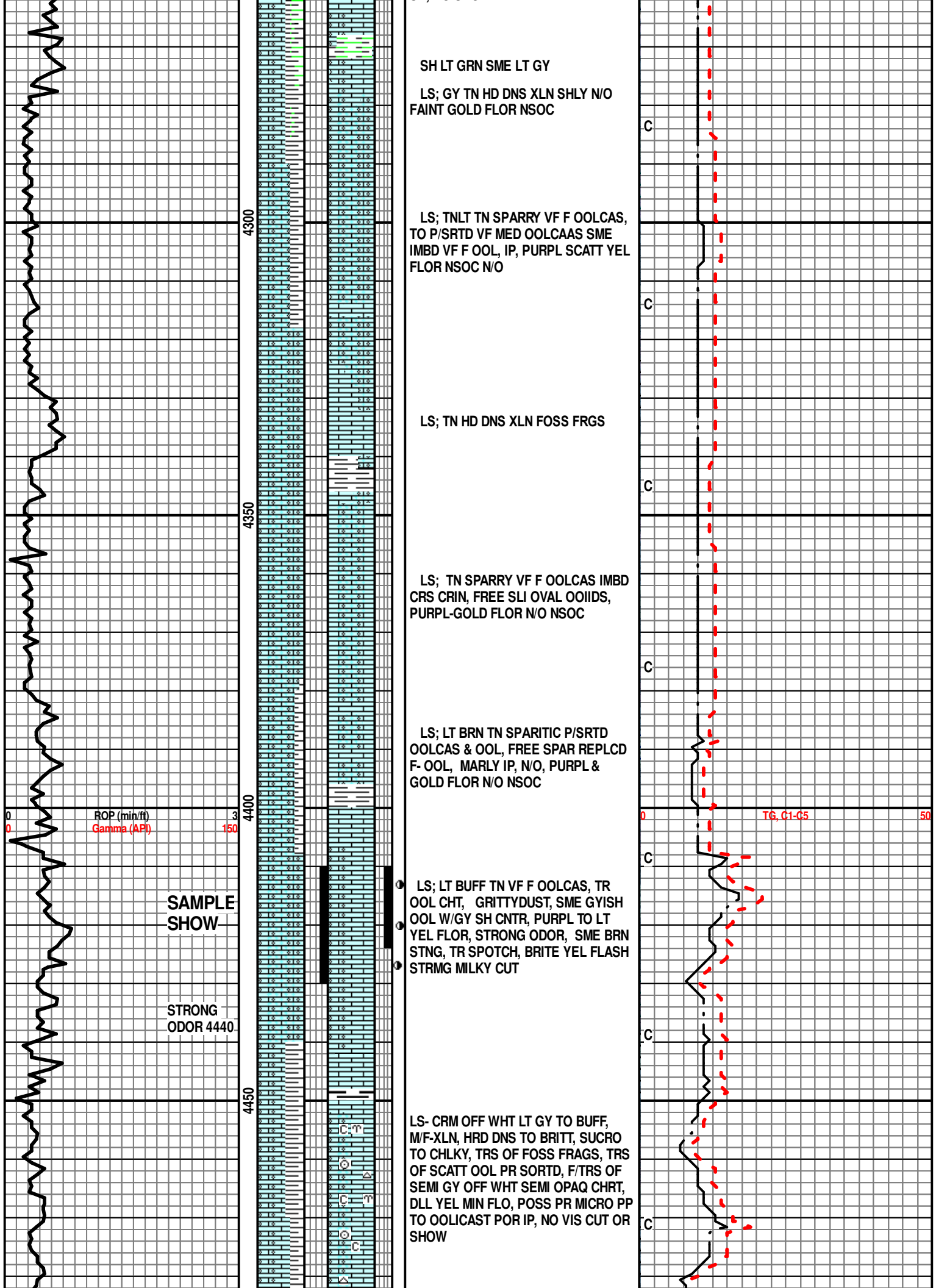
Name: TROY FOWLER//A. GARNER
Company: MBC WELL LOGGING LLC
Address: 21156 RD 22
MEADE, KANSAS 67864

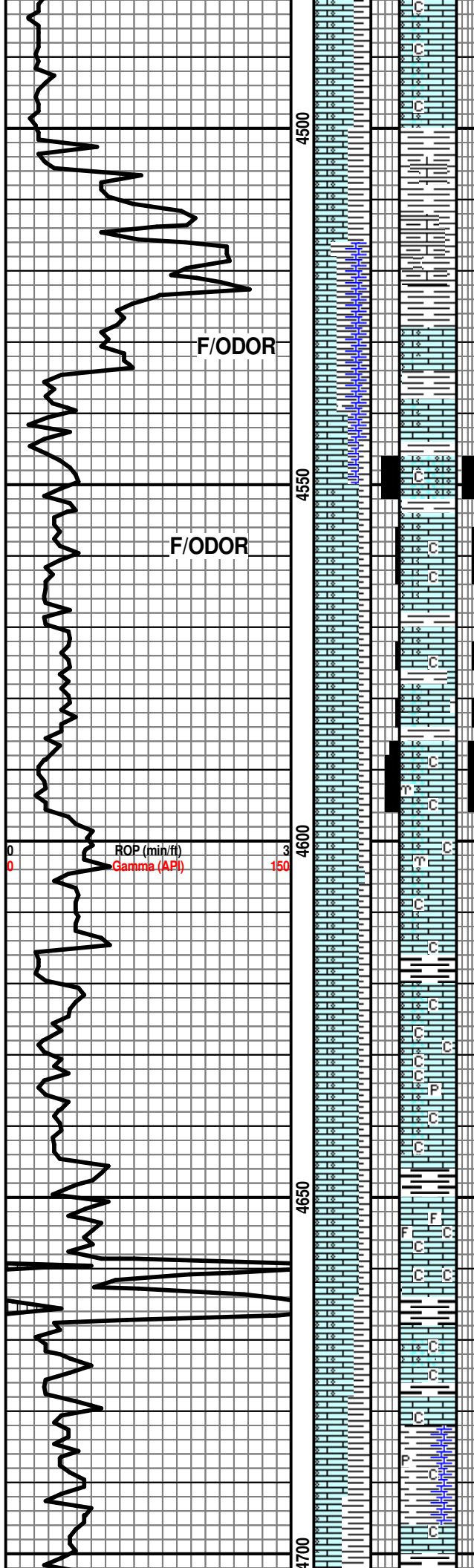
ROCK TYPES

	Anhy		Stgensndy-arkos		Sltst-1		Stgensndy-arkos
	Brec		New ls-1		Sltst-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- CRM OFF WHT, F-XLN, SUCRO TO V/CHLKY, TRS OF SHADOW OOL, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

SILTY SH- GY LT GY TO TN, VVF-GRNS, TRS OF MICA, POSS CARBY IP TO CALC

MARMATON

LS- CRM OFF WHT TO LT GY, HRD BRITT, F/XLN, SUCRO TO V/CHLKY, TRS OF SFT OFF WHT CHLK, OOL IP FR SORTD SM SHADOW TO BLK OOL IP, YEL MIN FLO, PR OOLICASTIC POR, NO VIS CUT OR SHOW

LS- CRM OFF WHT TO LT TN, HRD BRITT, SUB-SUCRO TO SLI CHLKY, TRS OF OOL PR SRTD SME BLK OOL IP, F/TRS OF FOSS FRASGS, YEL MIN FLO, PR/FR OOLICASTIC TO VUG POR, V/WEAK YELGRN FLUSH CUT, FAIR GASSY ODOR

BANDERA

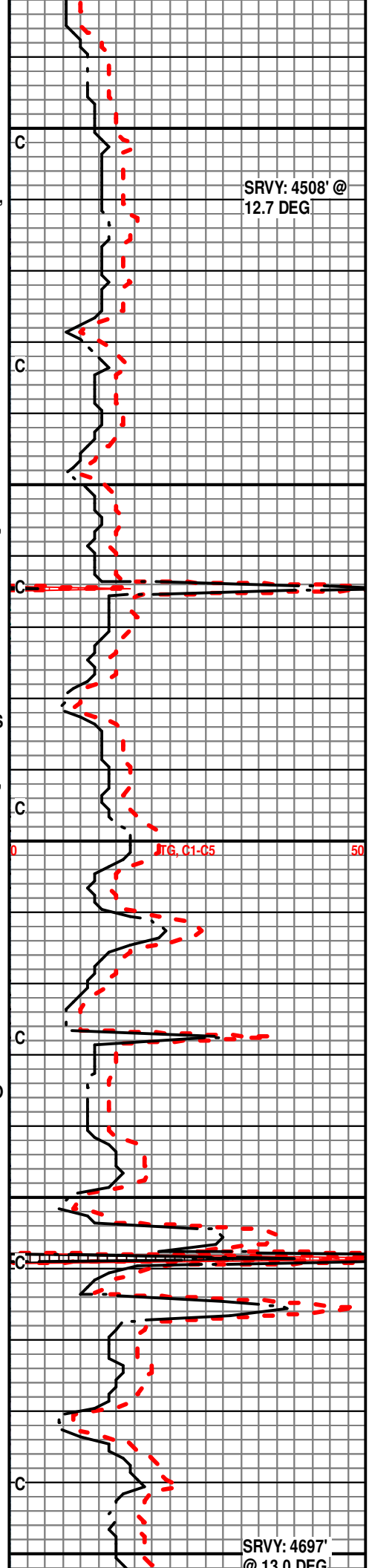
SH- GY BLK, SFT CARB

LS- CRM OF F WHT LT TN TO LT GY, HRD BRITT, F-XLN, SUCRO TO CHLKY, TRS OF SFT OFF WHT CHLK, OOL IP PR SORTD, SME BLK OOL, SME SHADOW, F/TRS OF IMBD PYR, YEL TO DLL YEL MIN FLO, PR MICRO-PP TO OOLICAST PR IP, NO VIS CUT OR SHOW

LS- OFF WHT LT TN TO LT TGY, HRD BRITT, F-VF-XLN TO SLI AHREN, SUB-SUCRO TO V/CHLKY, ABNDT OFF WHT CHLK, TRS OF FOSS FRAGS, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

CHEROKEE

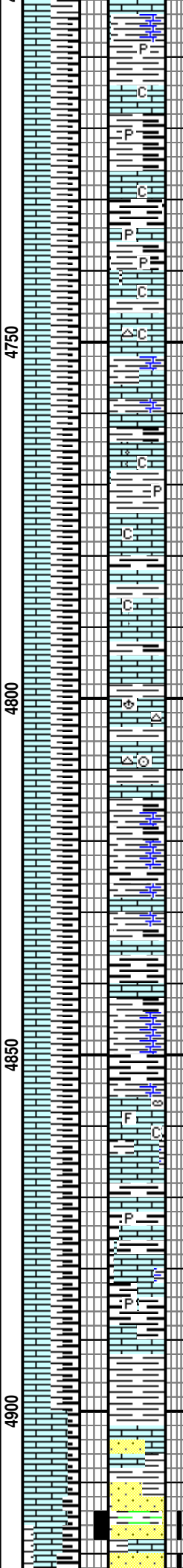
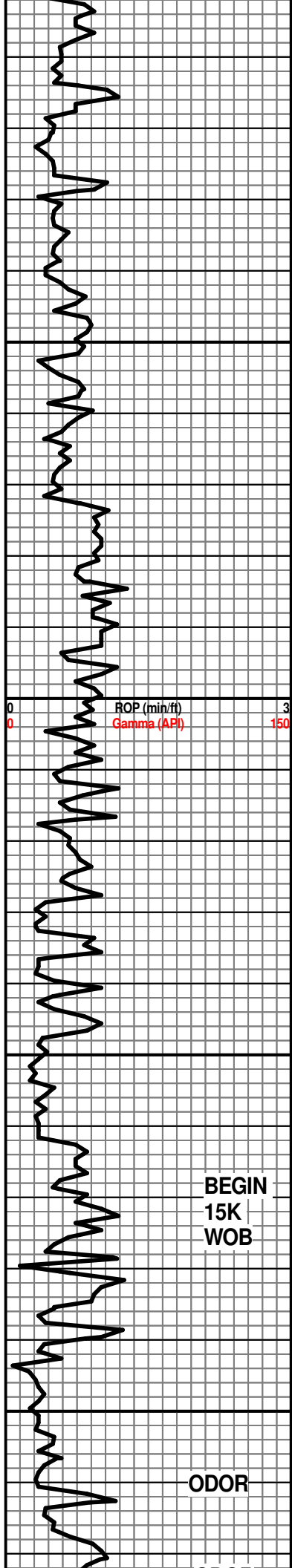
LS- CRM OFF WHT LT TG, HRD DNS TO BRITT, F-XLN, SUCRO TO CHLKY, TRS OF OOL PR SORTD SME BLK OOL IP, TRS OF SFT OFF WHT CHLK, DLL YEL MIN FLO, POSS PR OOLICASTIC POR IP TO NO VIS POR THRU, NO VIS CUT OR SHOW, NO ODOR



SRVY: 4508' @ 12.7 DEG

JTG, C1-C5

SRVY: 4697' @ 13.0 DEG



SH- DRK GY BLK, FRM BRITT, SMTH
BLKY TO SLI GRNY, TRS OF PYR
NODS, CARBY TO CALC IP

SH- BLK CARB, PYR

LS- CRM OFF WHT, HRD BRITT,
F/VF-XLN, CHLKY, F/TRS OF GY CHRT,
DLL YEL MIN FLO, NO VIS POR, NO
VIS CUT OR SHOW

LS- CRM OFF WHT LT TN, HRD BRITT,
F-XLN, CHLKY, TRS OF OOL IN CHLKY
MTX, INTERBD GY DRK GY SH IP, DLL
YEL MIN FLO, NO VIS POR, NO VIS
CUT OR SHOW, NO ODOR

LS- CRM GY DRK GY, HRD DNS TO
BRITT, M/F-XLN, SUB-SUCRO TO SLI
CHLKY, TRS OF FOSS FRAGS, F/TRS
OF GY CHRT, TRS OF OOL PR SRTD
SME SHADOW OOL IP, DLL YEL MIN
FLO IP, NO VIS POR, NO VIS CUT OR
SHOW

SH- GY DRK GY TO BLK SME GRNISH
SH IP, FRM BRITT, BLKY TO GRNY, SME
FOSS FRAGS, TRS OF PYR, CALC IP,
CARB IP, RATTY

LS- CRM OFF WHT TO LT GY, HRD
BRITT, F-XLN, CHALKY, SME OOL IP,
SME FOSS FRAGS, IMBD PYR IP, YEL
MIN FLO, NO VIS POR, NO VIS CUT OR
SHOW, NO ODOR

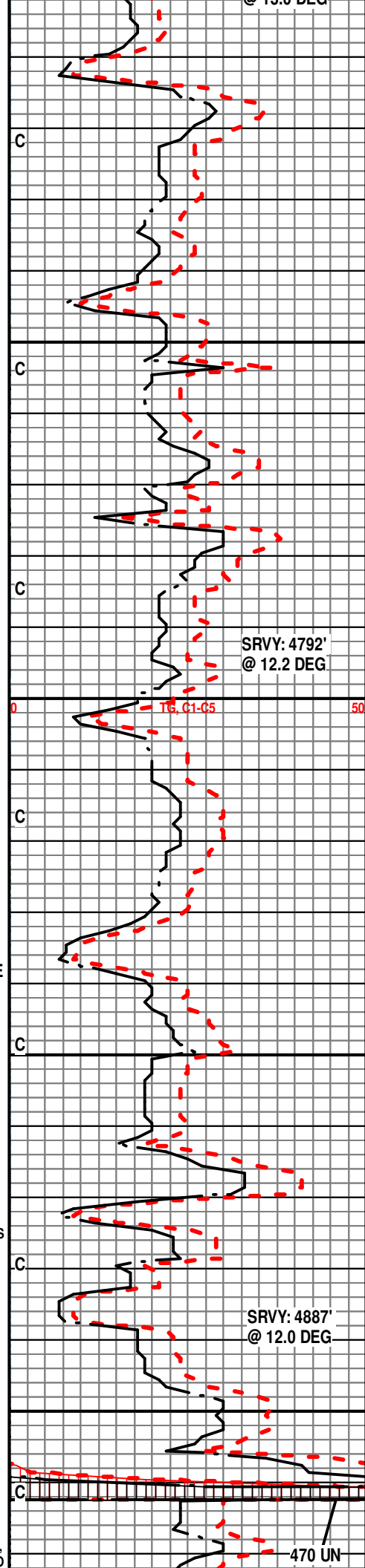
SHLY LS- GY DRK GY OFF WHT TO BRN, HRD
DNS TO BRITT, F-XLN, SUB-CHLKY, IMBD TO DISS
BLK SH, SME FOSS FRAGS, SPOTTY DLL YEL
FLO, NO VIS POR, NO VIS CUT OR SHOW

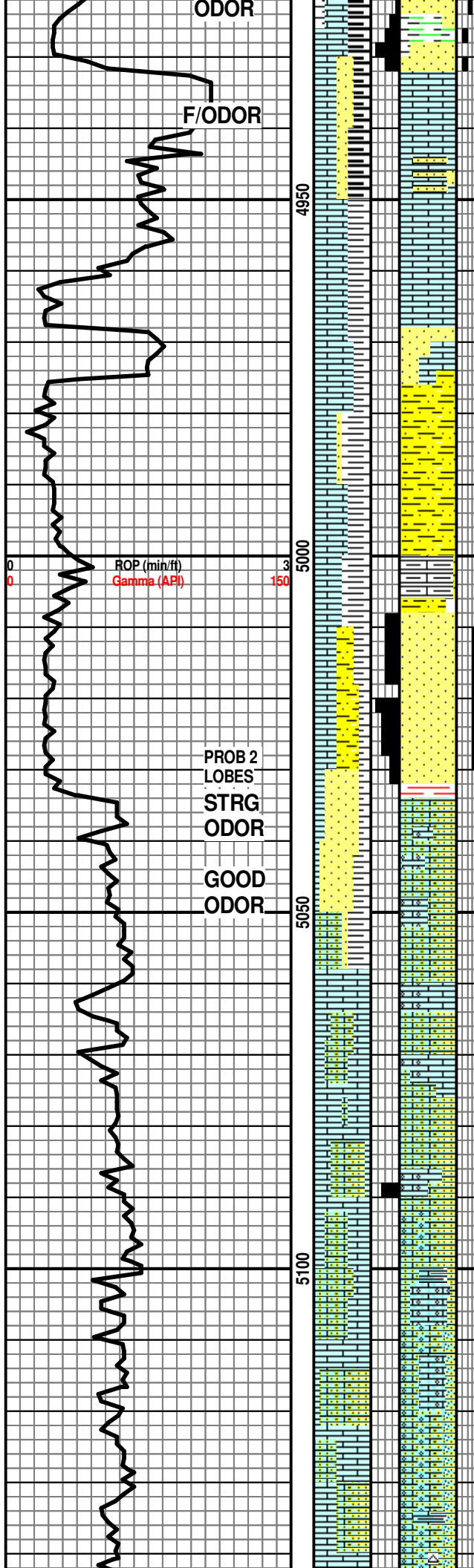
MORROW

SH- BLK CARB, SME CALC IP, PYR,
SME PYRITIC GRN

● CHOC TO GRN, BLK SH PYR

● SS- GY DRK BRN TO SLI BLUISH, FRM TO SLI FRI,
VF-QRTZ GRNS, SUB RND, SILCA CMNT, IMBD TO





DISS GY BLK SH, LOOKS RATTY, NO VIS FLO,
POSS PR INTER-GRN POR, FAST BLUE WHT
STREAM TO WEAK MILKY BLUE FLUSH CUT,
FAIR GASSY ODOR

LS; CRM GY HD XLN SME SPARITIC W/ABDT
GLAU, TR SFT VFOOL, FOSS PCES, SME QWTZ,
YEL MIN FLOR N/O NSOC

LT GRN VF GR SS, ABDT GLAU, MICA, N/O, NO
FLOR SOC

LS; CRM CRINOIDAL W/FOSS FRGS, TR CHOR &
GLAU MFNSOC

SLTST, OFF WH GRN TINT, VF GR, FRI TO MED
TT, NON-CALC, PYR IMBD, TR MICRO GLAU,
MICA, NO ODOR, NO VIS FLOR SOC

MOUSEY GY LMY SH (CHESTER SH)

1. SS; LT BRN, VF GR FRI, CLR QWTZ, PALE WH
PROB GLAU PELL, TR MICA, SME GAS BUBL,
FREE DK BRN PP OIL, V/STRING ODOR, 18% INGR
POR, FAINT GOLD FLOR, FLASH STRMG MILKY
CUT

2. SS; BLK, MUSHY, PP GILSONITE, BLK OVR
ALL STNG, GAS BUBLS, BLK FREE PP OIL,
STRONG ODOR, FLASH THICK MILKY STRMG
CUT

ST GEN

OFF WH AREN LS SME CRM WH VF
OOL W/SME QTZ, MFNSOC N/O

LS; LCRM WH CHLKY VF OOL, PRED
WH OOL LS ORNG VIT ANG CHT N/O
MFNSOC

LS; SLI CRM LT BUFF HD DNS XLN
SME CRM TN SAPRCMTD F-OOL,,
FAINT GOLD FLOR, N/O NSOC

DK BRN TN HD XLN SHLY LS
W/BUFF FLAKEY W/BRN- F-OOLIDS,
N/O MFNSOC

