

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

Well Name:	Castelli Exploration Inc.	Charlie Brown 2-25
Location:	Section 25-T33S-R16W	Comanche County, Kansas
Licence Number:	15-033-21739	Region: Merrill Chert
Spud Date:	11/30/2013	Drilling Completed: 12/7/2013
Surface Coordinates:	2145' FSL 2195' FWL NE/SW 1/4	
Bottom Hole	As Above	
Coordinates:		
Ground Elevation (ft):	1,759'	K.B. Elevation (ft): 1,771'
Logged Interval (ft):	3,900' To: TD	Total Depth (ft): 5,700'
Formation:	Mississippian	
Type of Drilling Fluid:	Chemical	

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

OPERATOR

Company: Castelli Exploration Inc.
Address: 6908 NW 112th Street
Oklahoma City, Oklahoma 73162

GEOLOGIST

Name: Cameron Castelli
Company: Castelli Exploration Inc
Address: 6908 NW 112th Street
Oklahoma City, Oklahoma 73162

DSTs

DST #1: 5,582'-5,621'. 30-60-30-60. IF Weak blow built to 1/4", ISI No blow, FF No blow, FSI No blow. IH: 2774, IF: 18, ISI: 19-26, FF: 26, FSI: 23-25, FH 2,690. Recovered 3' 90% Mud & 10% Oil cut mud.

DST #2: 4,700'-4,755'. 30-60-30-60. IF Strong blow BOB in 4 min, ISI Weak blow back built to 1/2" died back to 1/4", FF Strong blow BOB in 5 min, FSI No blow. IH: 2,312, IF: 62, ISI: 353-1812, FF: 363, FSI: 535-1809, FH: 2,197. Recovered 913' muddy water 25% mud 75% water, 119 water cut mud 15% water 85% mud.


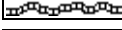
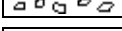
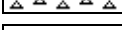
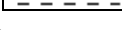







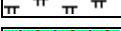

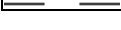
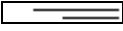
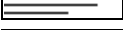


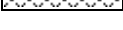
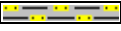

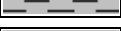

Comments

Drilling Company: Duke Drilling Co., Rig 6
 Samples: Caught by rig








































































Logging Engineers: Dan Pittman and Jonah Murphy
 Mobile: 580-334-3096

Instruments calibrated 11/29/13 where 1% methane equals 100 units of total gas























ROCK TYPES

 Anhy  Bent  Brec  Cht  Clyst	 Coal  Congl  Dol  Gyp  Igne	 Lmst  Meta  Mrst  Salt  Shale	 Shcol  Shgy  Sltst  Ss  Till	 sdy sh  calc sh  shale  carb sh
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ACCESSORIES

MINERAL  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstgrg  Ssstrg TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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OTHER SYMBOLS

POROSITY TYPE  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint	<input checked="" type="checkbox"/> Vuggy SORTING  Well  Moderate  Poor	ROUNDING  Rounded  Subrnd  Subang  Angular OIL SHOWS  Even	 Spotted  Ques  Dead INTERVALS  Core  Dst	EVENTS  Rft  Sidewall
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Curve Track 1

ROP (min/ft)



TG, C1-C5

TG (units)



C1 (units)



C2 (units)



C3 (units)



C4 (units)



C5 (units)



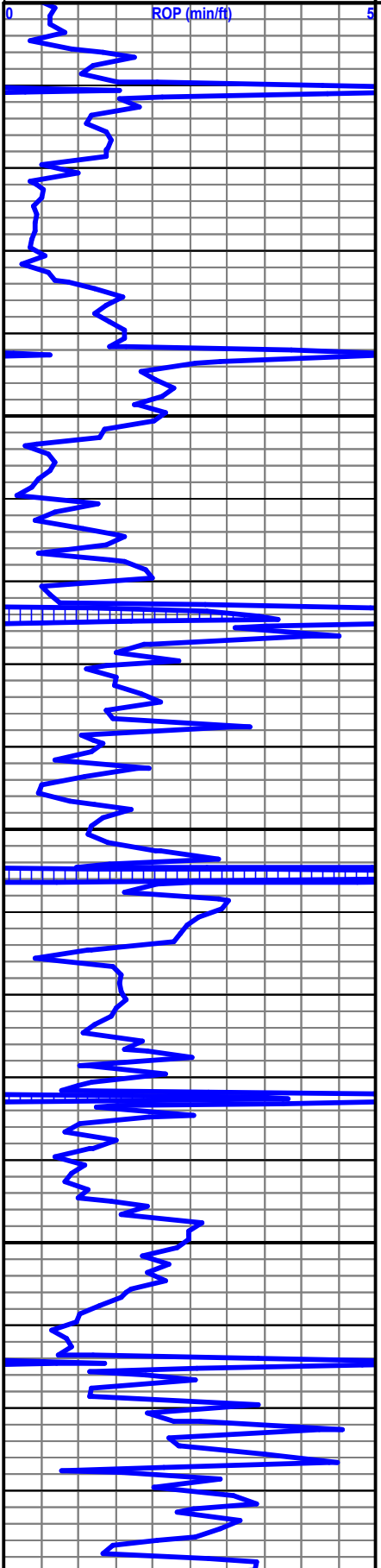
Depth

% Lithology

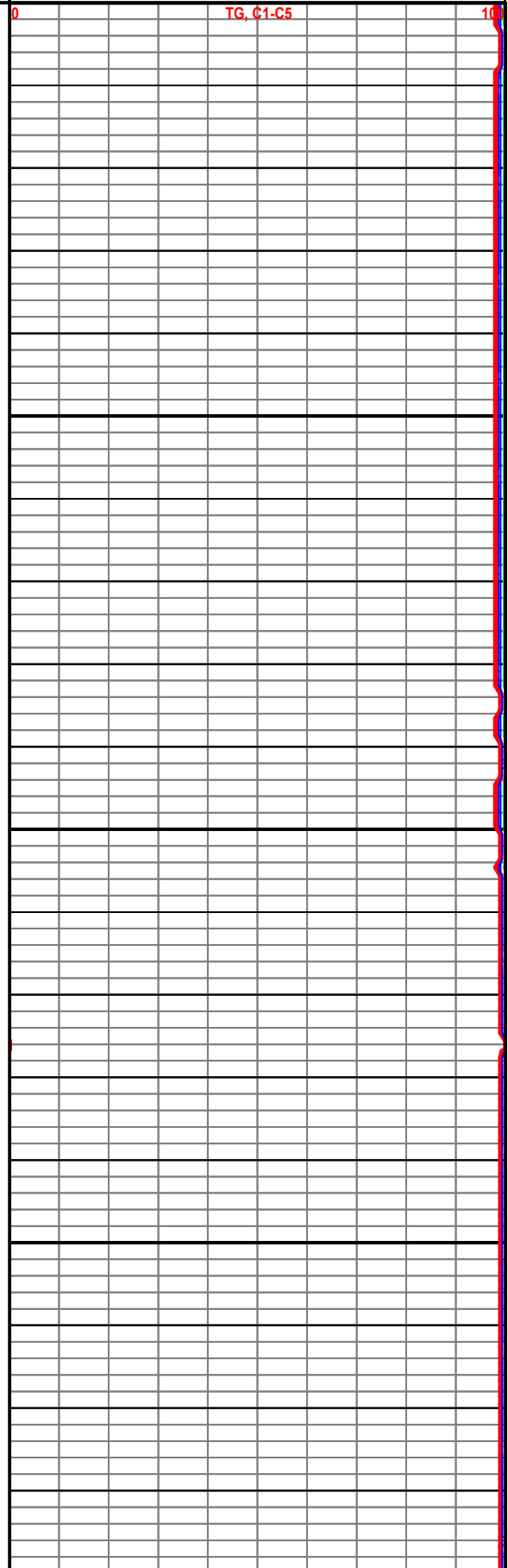
Oil Shows

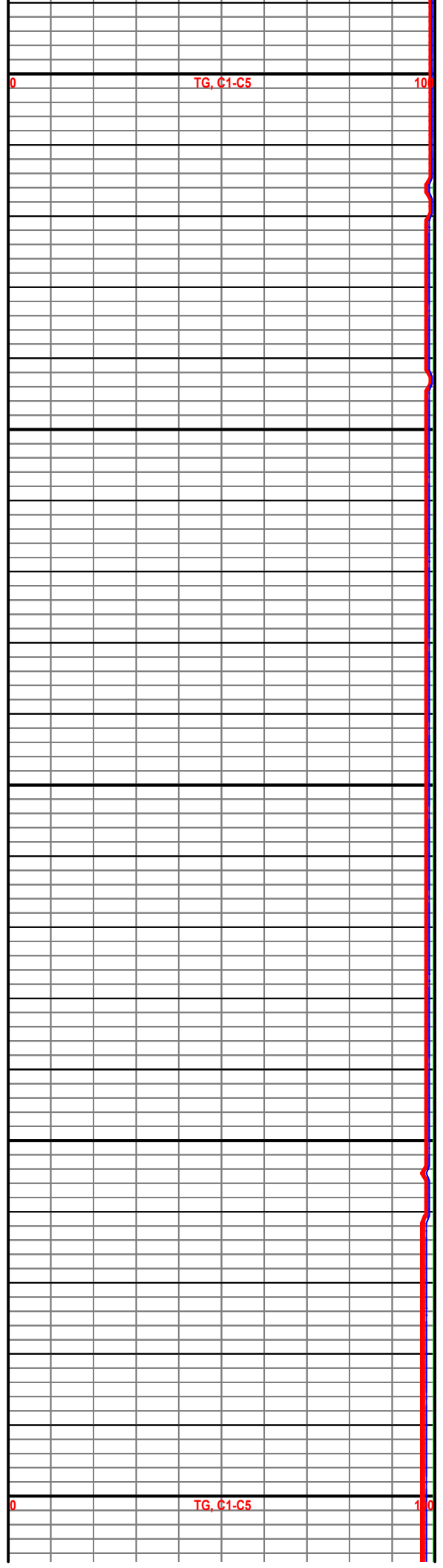
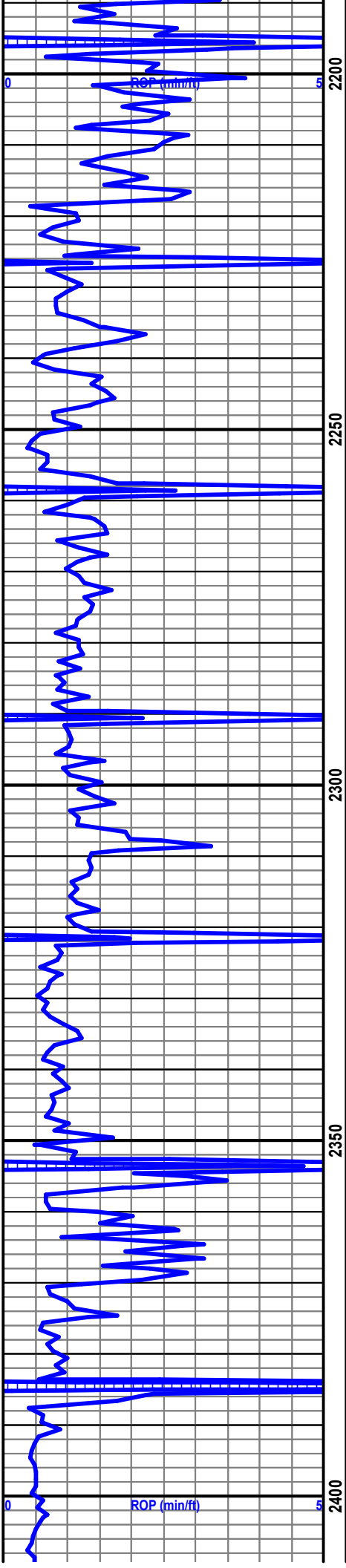
Geological Descriptions

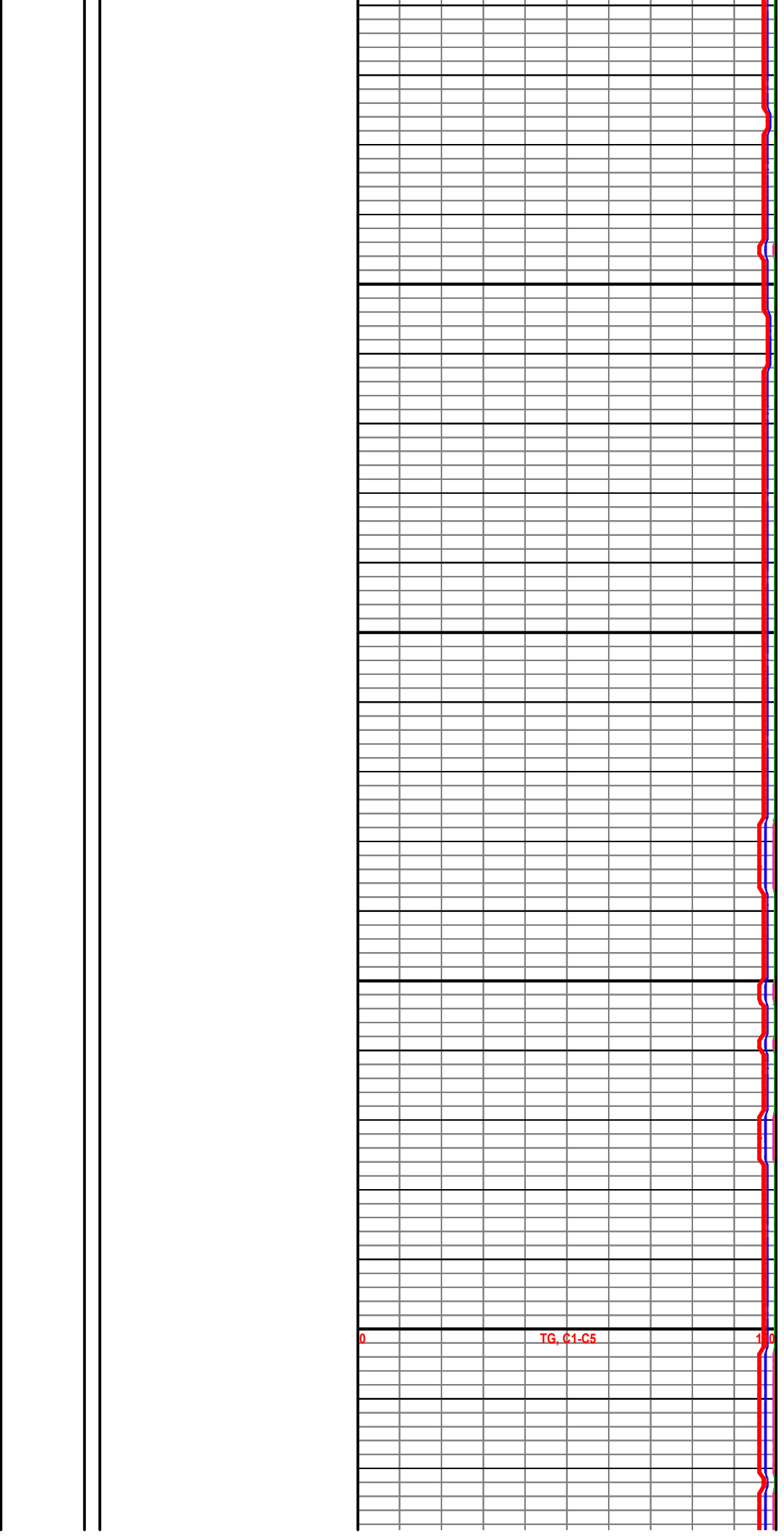
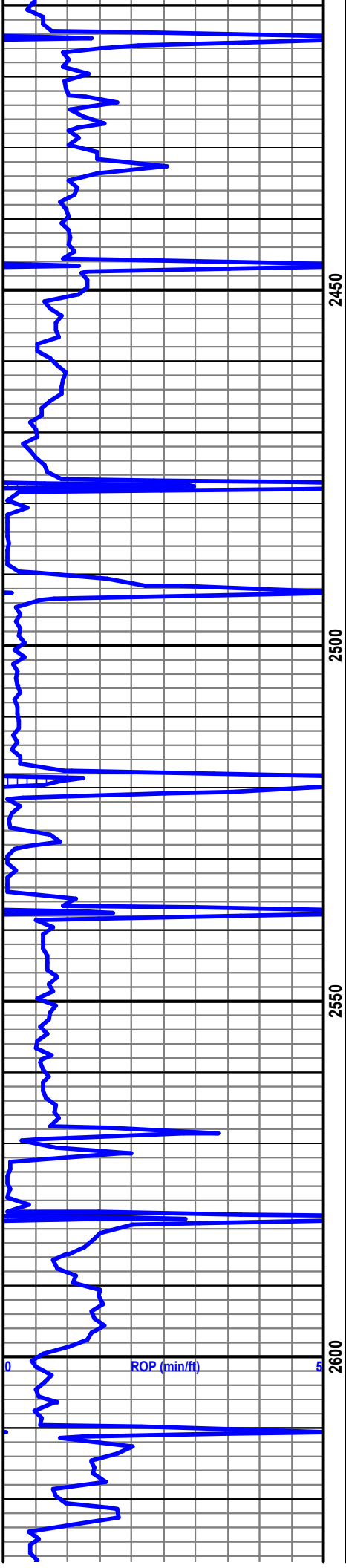
ROP (min/ft)

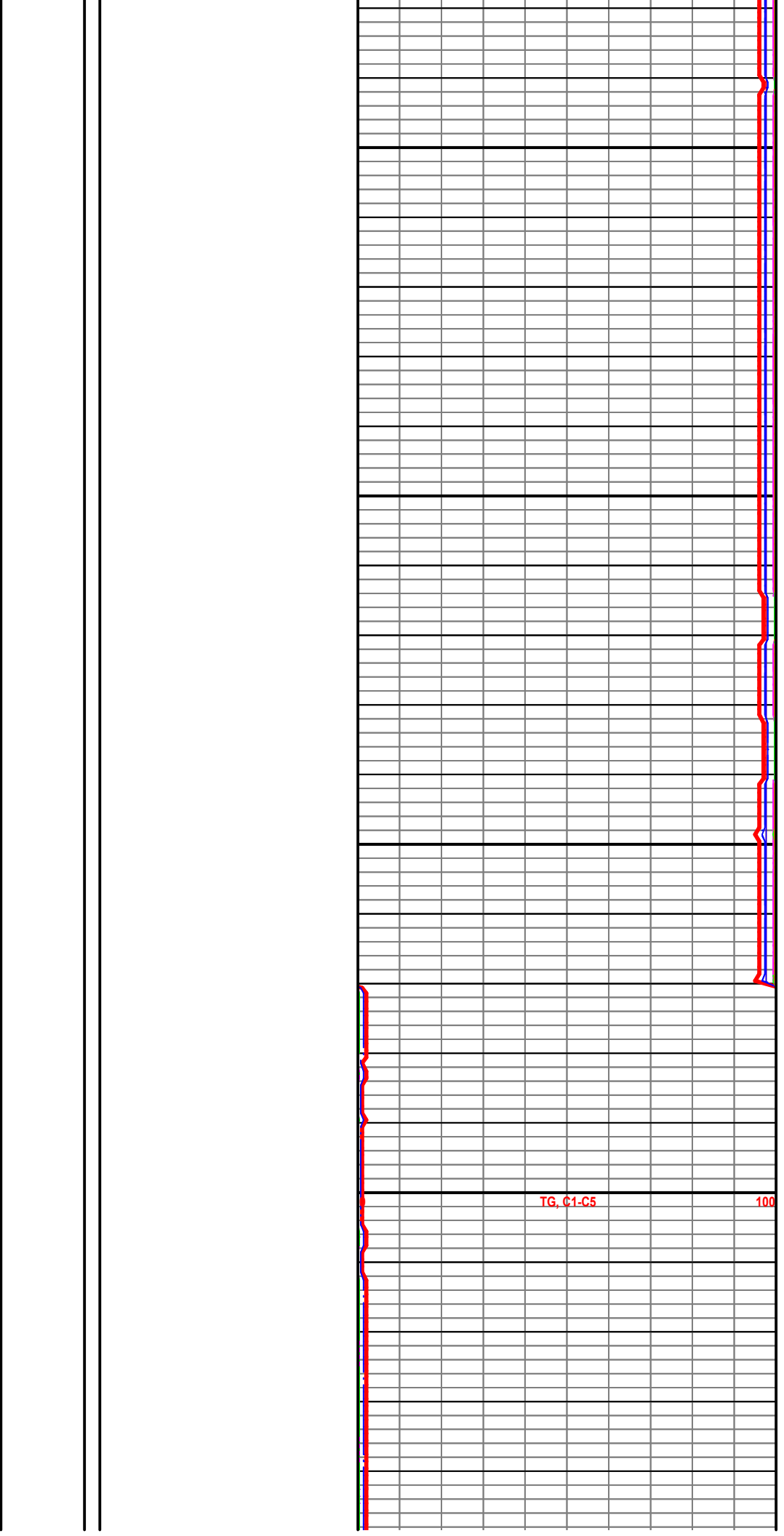
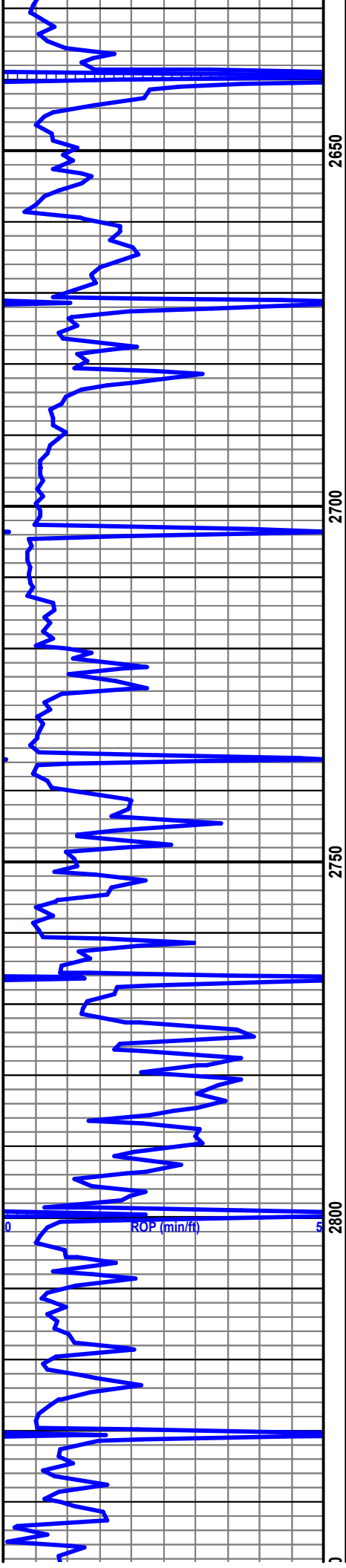


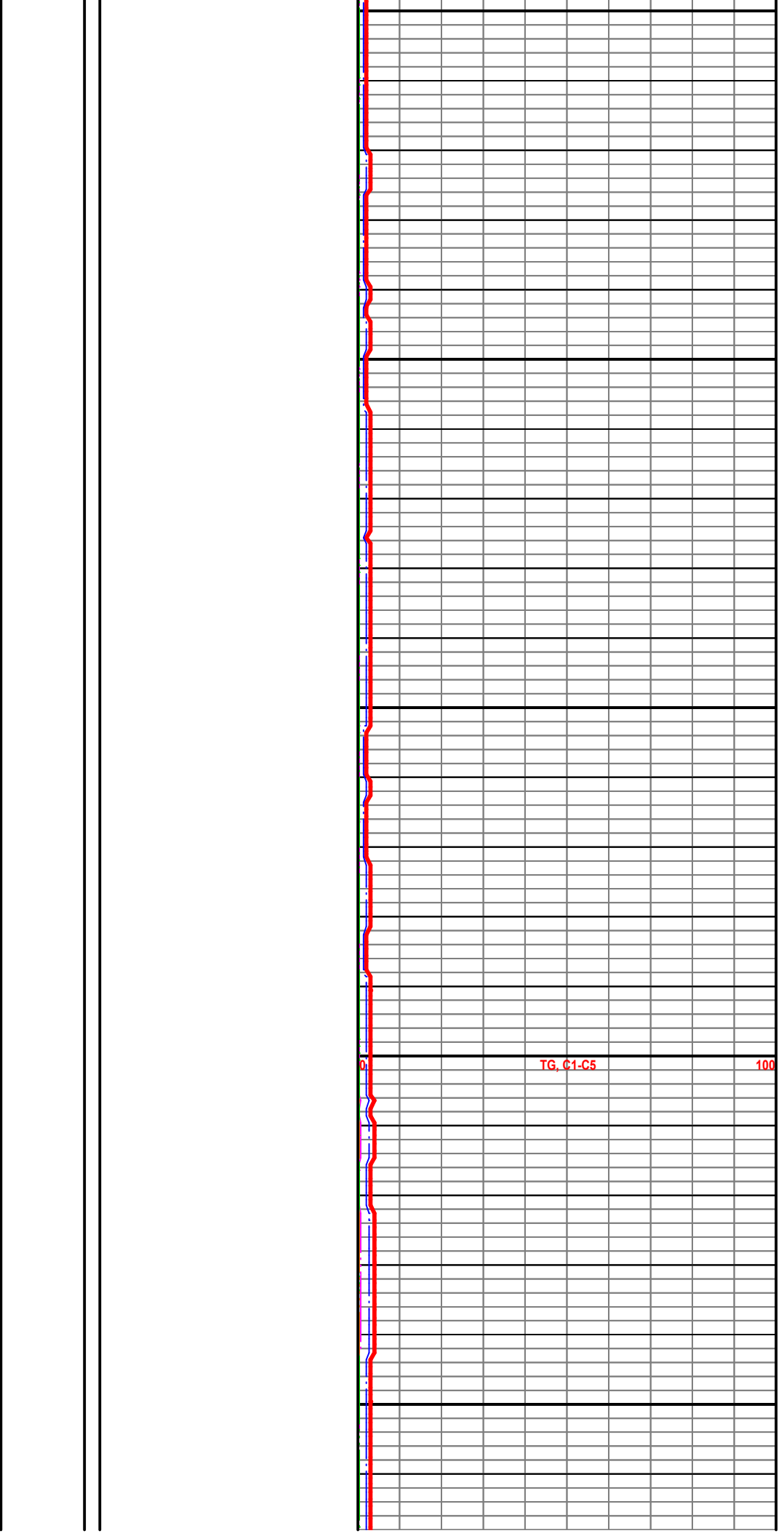
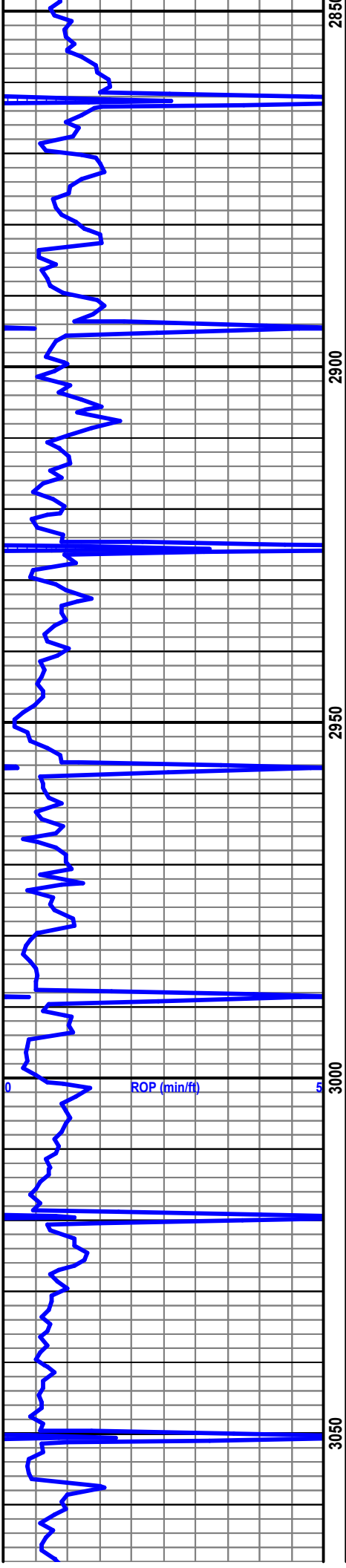
TG, C1-C5

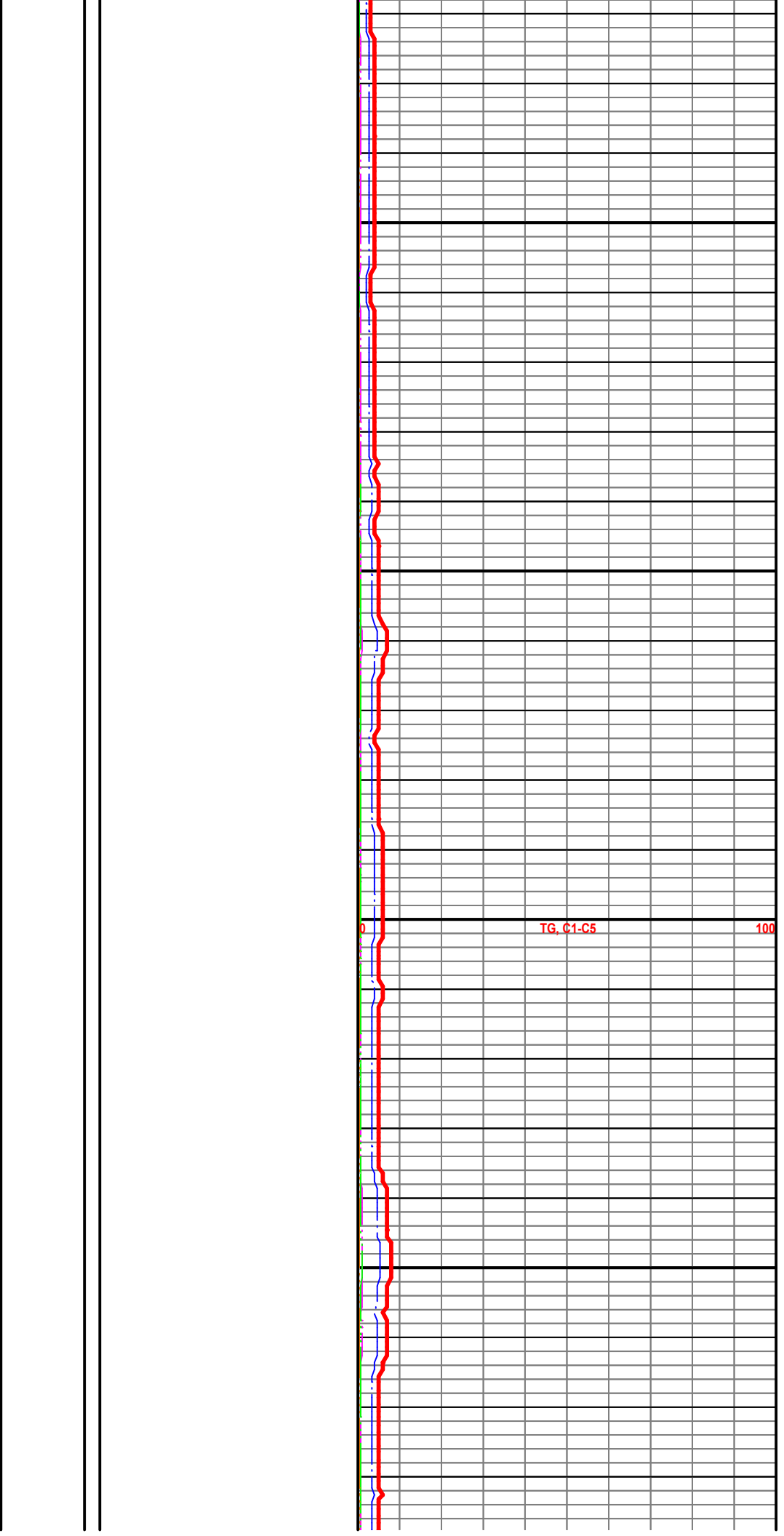
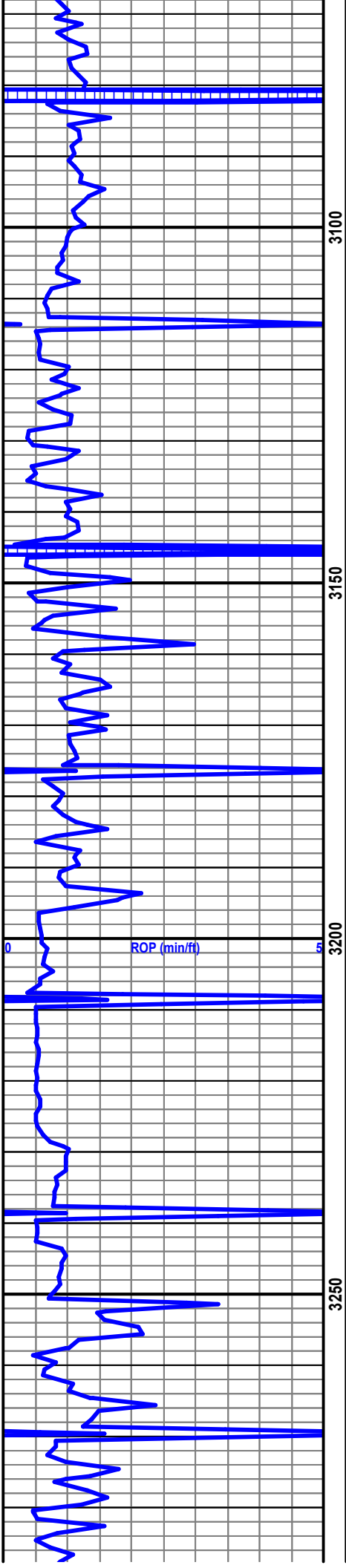


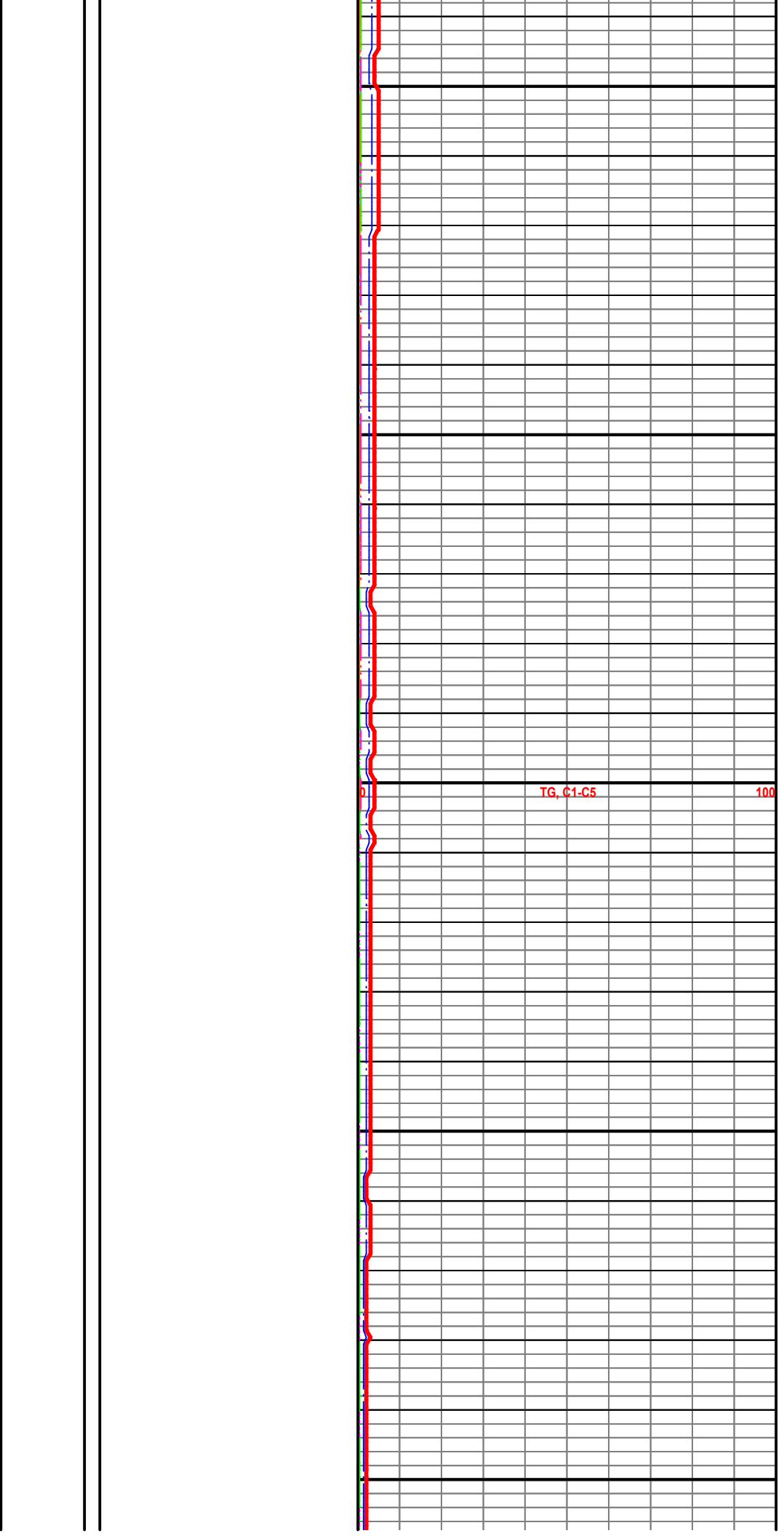
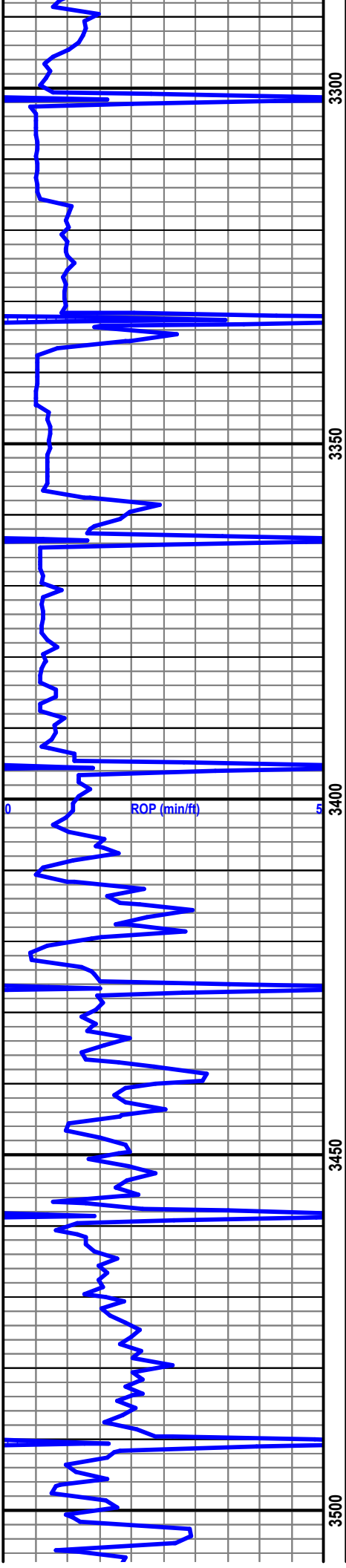


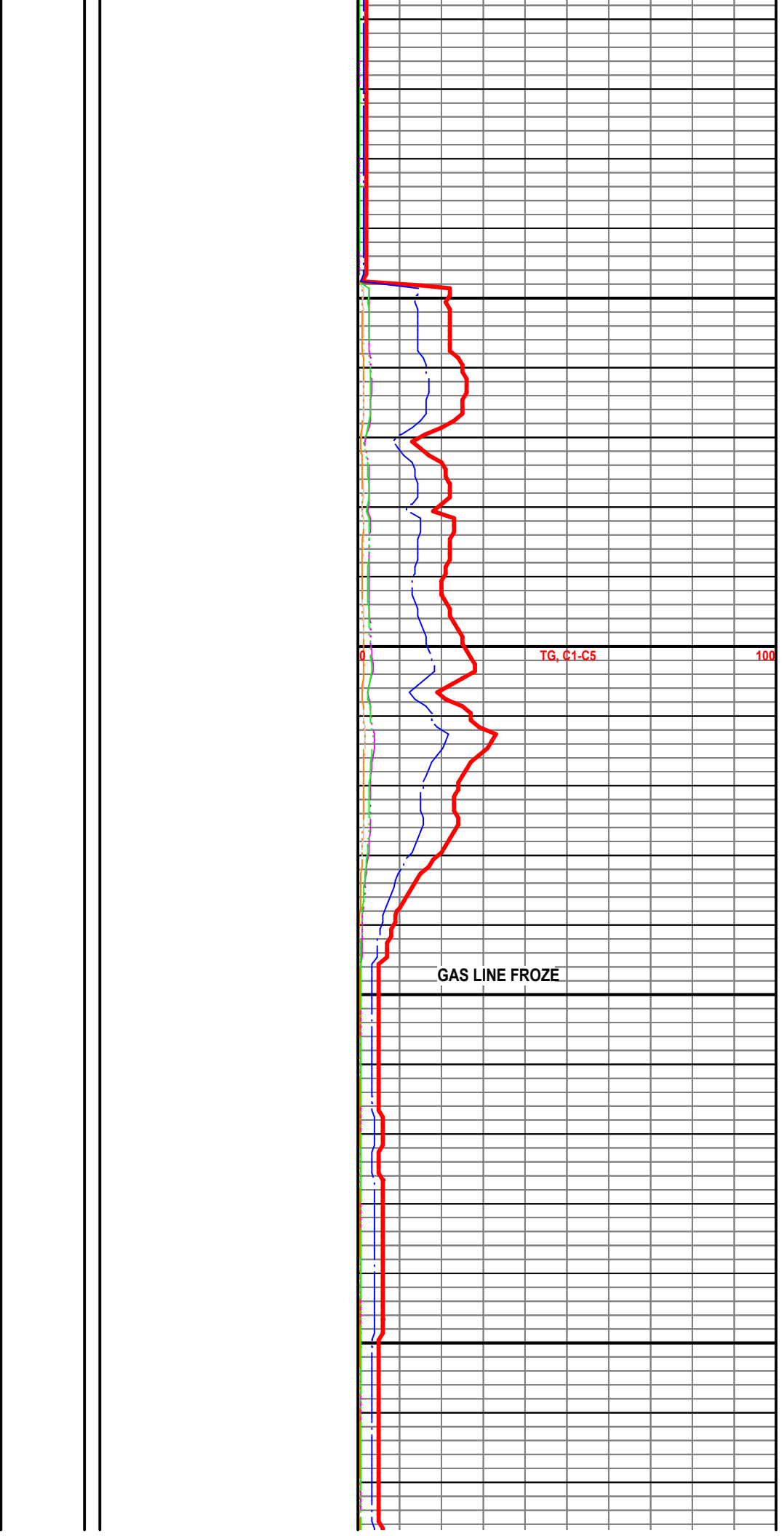
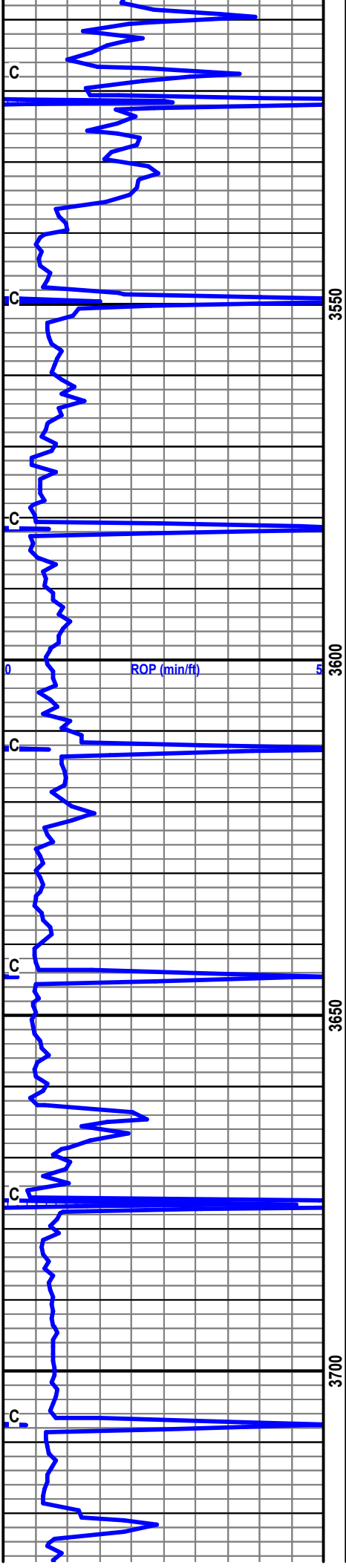


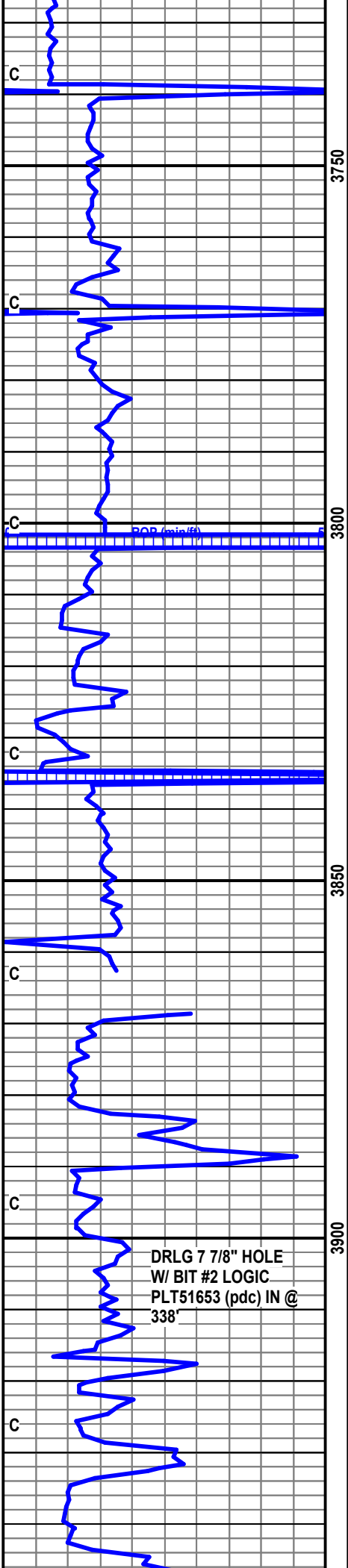




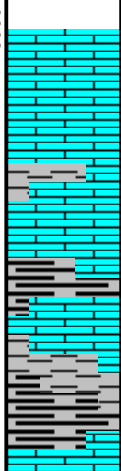






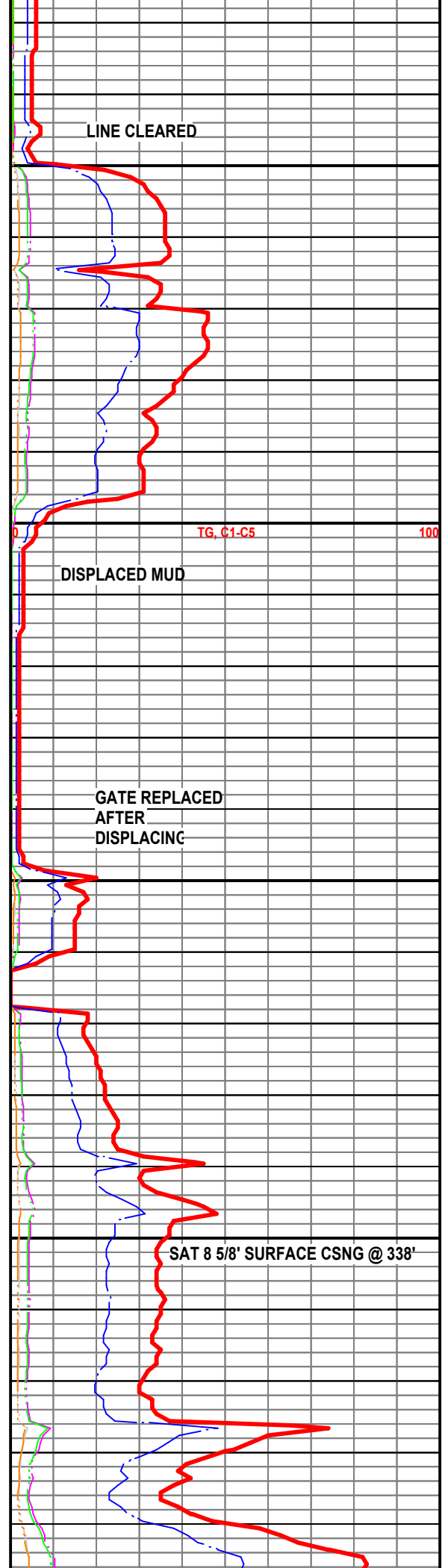


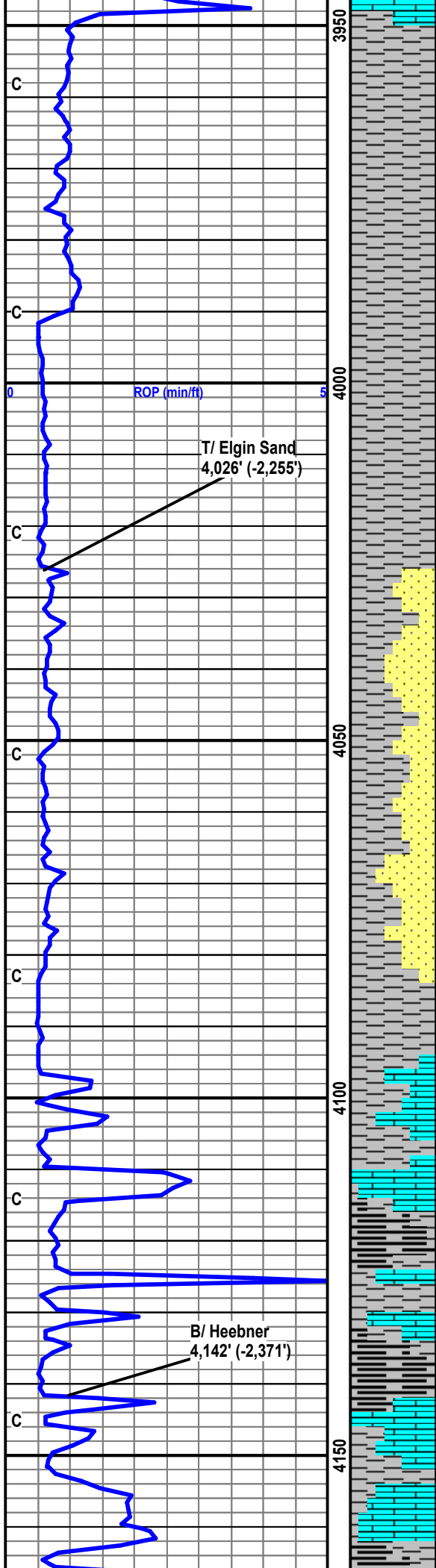
DRLG 7 7/8" HOLE
 W/ BIT #2 LOGIC
 PLT51653 (pdc) IN @
 338'



BEGAN ONE MAN MUD LOGGING
 SERVICE @ 3,900' @ 9:03 AM ON
 12/3/2013

NO SAMPLE CAUGHT





NO SAMPLE CAUGHT

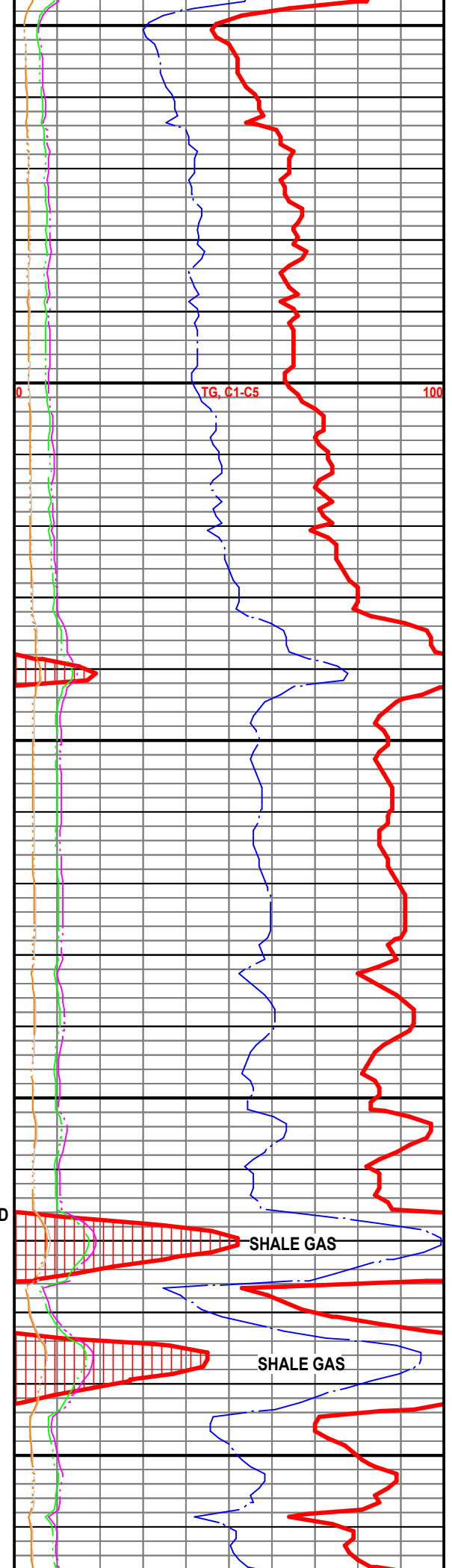
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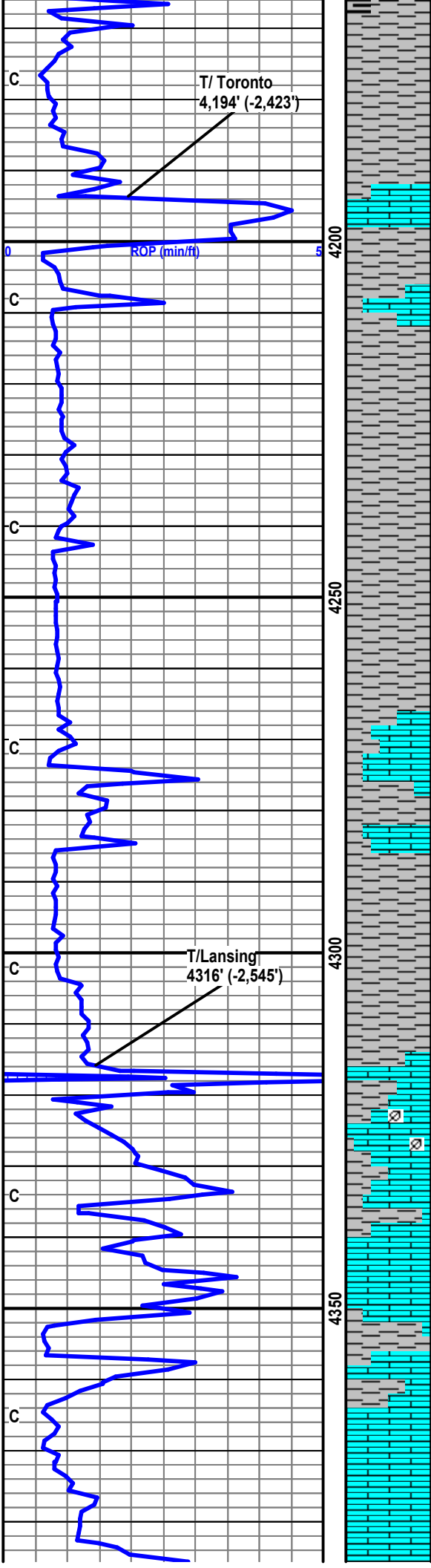
NO SAMPLE CAUGHT

NO SAMPLE CAUGHT

SH: DK GY-BLK, V/F TXT, SFT-MOD
FRM, PLTY, CARB

SH: AAE





SH- MED GY, V/F TXT, SFT-MOD FRM, PLTY-SMTH, SLI CALC I.F

LS: WHT-OFF WHT-CRM, V/F-F XLN MOD FRM-FRM, BR TTL, SM SLI CHTY, FOSS, SCTTRD CRINS, W/ PI VUG POR, W/ DULL GRN MIN FLU, NO VIS CUT OR STN, NO ODOR

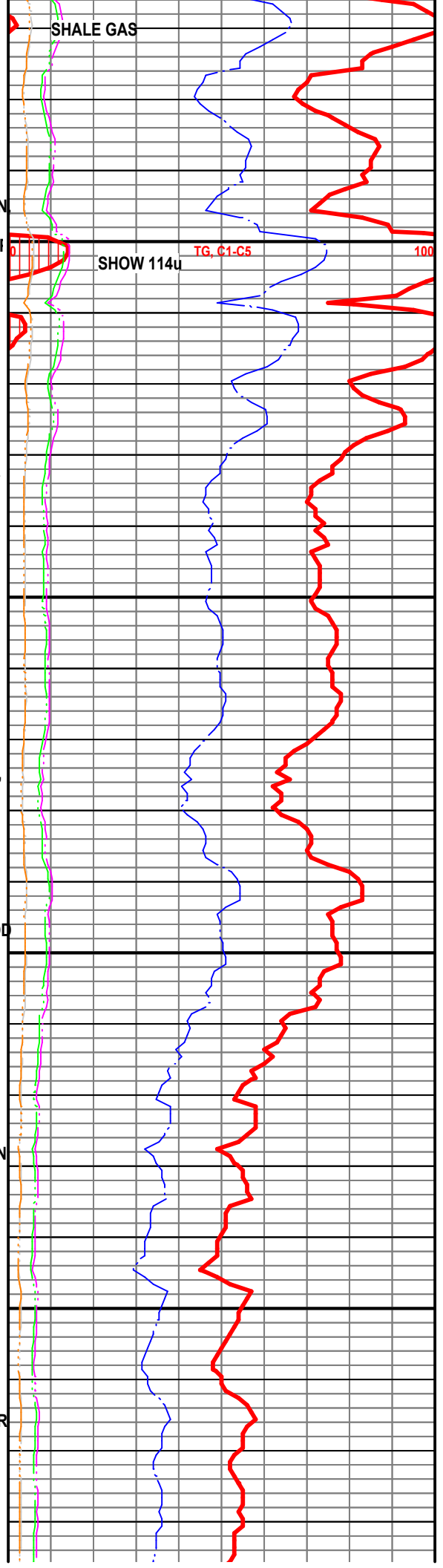
SH: MED GY-DK GY, V/F TXT, MOD FRM, SPLNTY, SLI CALC I.P., FNLY MICA

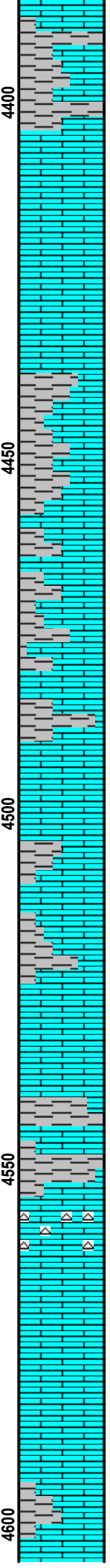
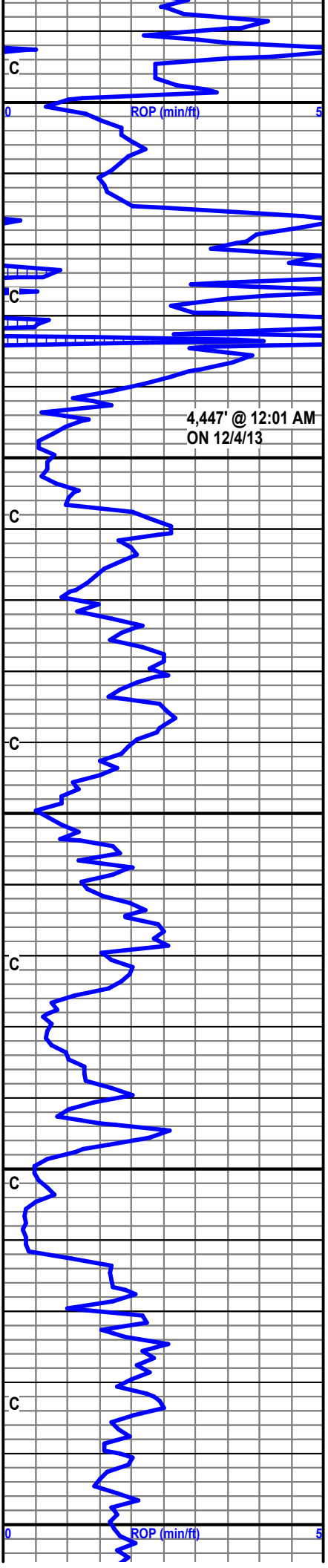
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SH- MED GY-DK GY, V/F-F TXT, MOD FRM, PLTY-SPLNTY, SLI CALC, FNLY MICA

LS- OFF WHT-CRM, F-XLN, MOD FRM, SLI ARGL I.P., SLI FOSS, W/ PR INTR-XLN POR, W/ V/ DULL GRN MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM-TN, V/F-F-XLN, SM MICRO-XLN I.P., MOD FRM-HD, DNS, BR TTL, W/ PR INT-XLN POR, DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR





LS: WHT-OFF WHT, V/F-F-XLN, MOD FRM-FRM, SLI ARGL, W/ PP VUG POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR, W/ SM LT GY, F-TXT, SFT-MOD FRM, SLI CALC SH

LS: WHT-OFF WHT-CRM, V/F-XLN, MOD FRM, SLI ARGL I.P., SM SLI FOSS, PR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM-TN, MOTT I.P., SM SLI ARGL I.P., TR INTR-XLN POR, W/ SCTTRD BRT WHT MIN FLU, NO VIS CUT OR STN, NO ODOR

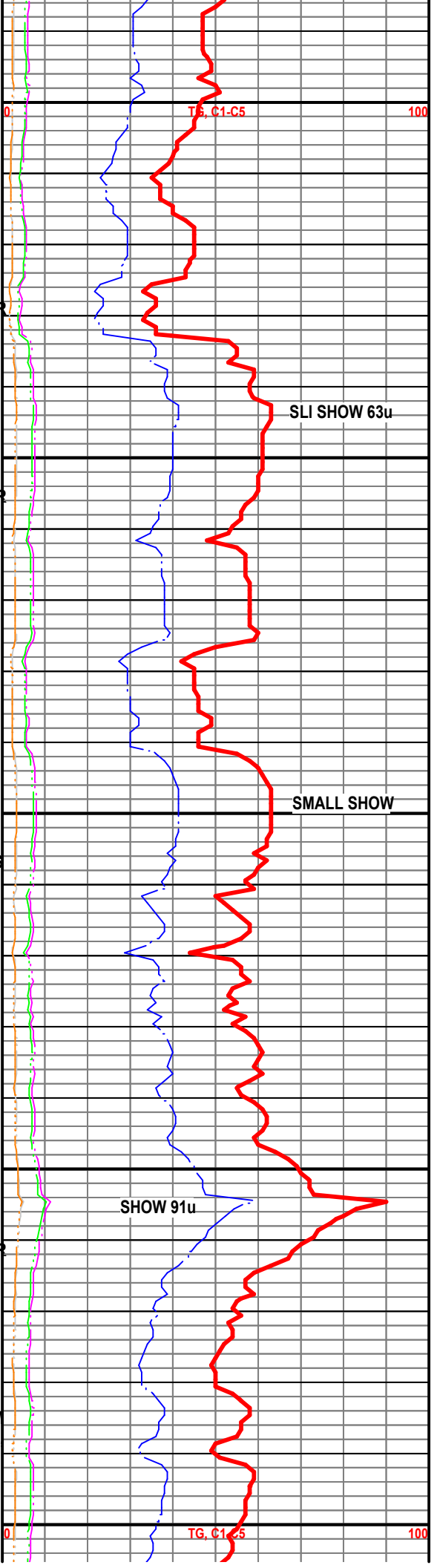
LS- AAB

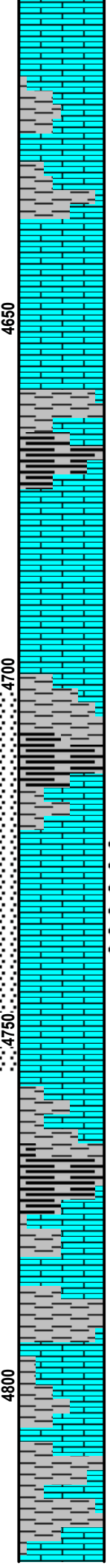
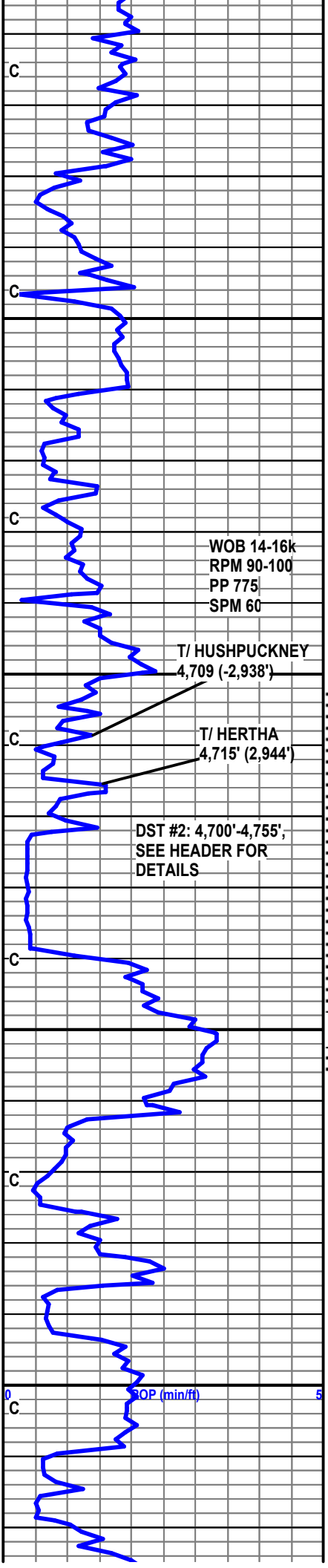
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LS- AAB W/ SM MED GY, V/F-F TXT, MOD FRM, SLI CALC SH

LS: OFF WHT-CRM,, V/F-XLN, MOD FRM-FRM, CHTY. W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM-TN, V/F-MICRO-XLN, MOD FRM-FRM, SM SLI CHTY I.P., W/ PR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR





LS- AAB

LS- WHT-OFF WHT-CRM, V/F-F-XLN
MOD FRM-FRM, SM SLI ARGL I.P.,
W/ PR INTR-XLN POR, NO VIS CUT
OR STN, NO ODOR, W/ SM MED GY,
V/F-TXT, MOD FRM SLI CALC SH

LS: TN-BUFF-LT BRN, F-XLN, MOD
FRM, V/ OOL'IC, W/ TR INTR-XLN
POR, SPTTD DULL YEL MIN FLU, NO
VIS CUT OR STN, NO ODOR

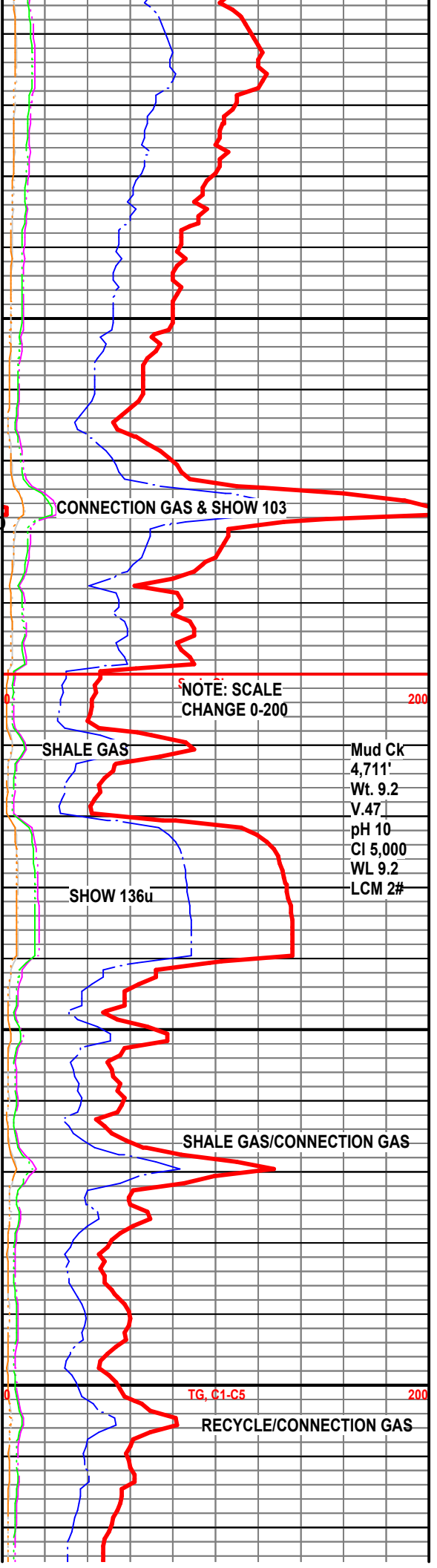
SH- BLK, PLTY-SPLTY, SLI CALC,
CARB

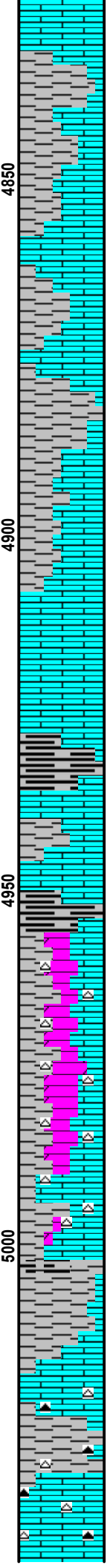
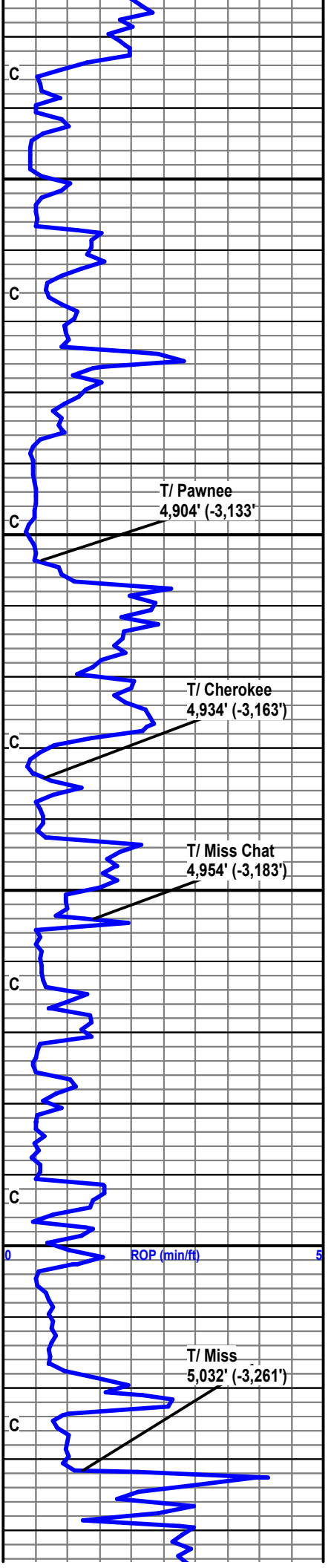
- LS: CRM-TN, F-XLN, MOD FRM, SLI
- FOSS, SLI CHTY I.P., V/ OOL'IC. W/
- TR INTR-XLN POR, W/ SPTTD DUL
- ORNG FLU, W/ GD FLSH CUT, LT
- BLU RING CUT, NO VIS STN, NO
- ODOR

SH:- DK GY-BLK, V/F-F TXT,
SFT-MOD FRM, PLTY-BLKY, SM SLI
CALC I.P., CARB

LS- WHT-OFF WHT-CRM,
V/F-MICRO-XLN, MOD FRM, PRED
DNS, BRTTL, SM SLI ARGL I.P., W/
PR INTR-XLN POR, NO VIS CUT OR
STN, NO ODOR

LS: OFF WHT-CRM, V/F-F-XLN, MOI





FRM, SLI MOTT I.P., W/ TR INTR-XLN POR, PRED DNS, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

LS: OFF WHT-CRM, V/F-F-XLN, MOD FRM-FRM, SM SLI ARGL I.P., TR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR, W/ ABDT LT GY-MED GY, V/F TXT, SFT, PLTY SH

SH- LT GY-MED GY, PLTY, V/F-F TXT, SFT-MOD FRM, SLI CALC, SLI PRY'IC

LS: OFF WHT-CRM, V/F-MICRO-XLN MOD FRM-FRM, TR INTR-XLN POR, PRED TT, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

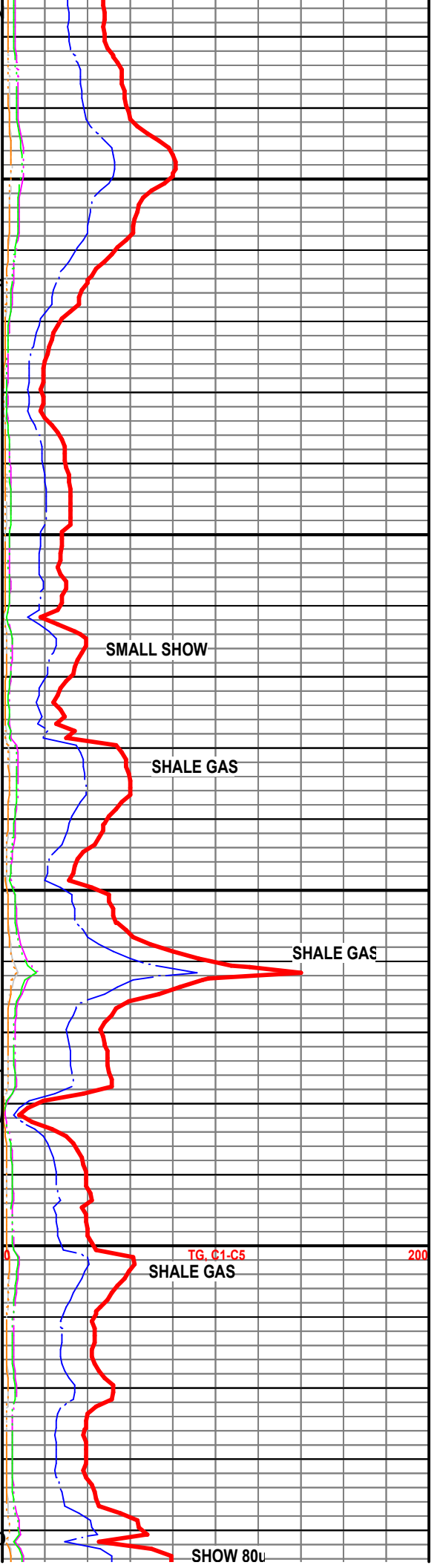
LS: WHT-OFF WHT,, MICRO-XLN, MOD FRN, PR INTR-XLN POR,, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

LS- OFF WHT-CRM, V/F-XLN, MOD FRM, SLI CHTY, SLI ARGL I.P., PR INTR-XLN POR, NO VIS CUT OR STN, NO ODOR, W/ SM OFF WHT-LT BRN, V/F-XLN, MOD FRM-FRM, SLI ARGL, SLI CHTY, SLI SUC DOLO, W/ SM CLR-OPQ WTHRD, SLI TRIPOL'IC CHT

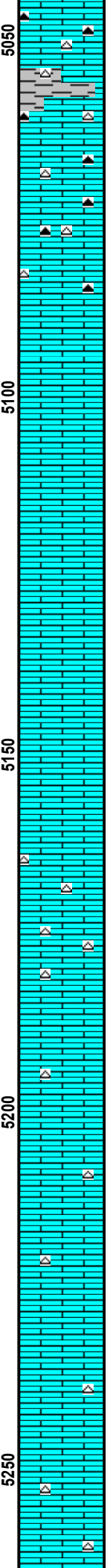
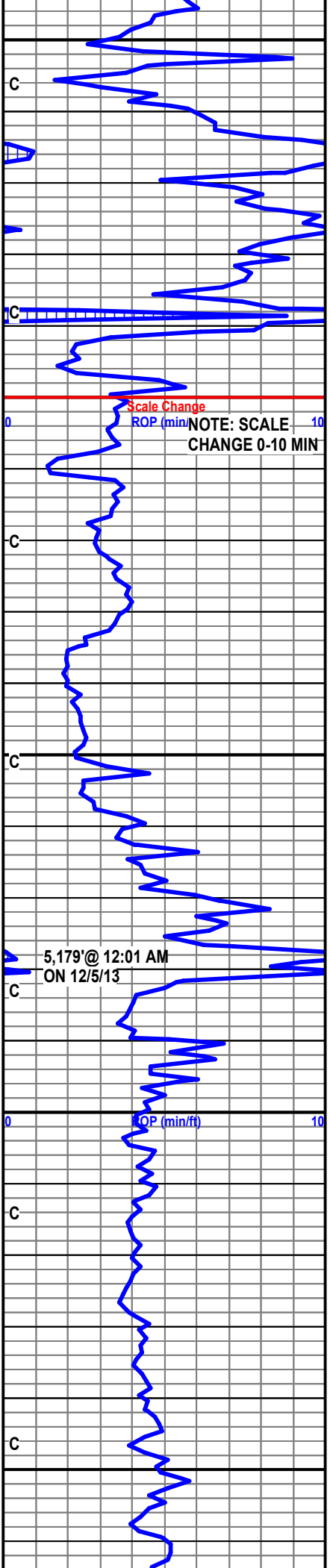
SH- MED GY-DK GY-BLK, V/F TXT, PLTY-SPLNTY, SLI CHTY I.P., SM SI PYR'IC, SM SLI CARB

NOTE: ABDT CAVINGS FROM ABOVE

LS- WHT-OFF WHT, HD, DNS, V/F-MICRO-XLN, W/ PR INTR-XLN POR, SPTTD DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR



SHOW 80u



LS- WHT-OFF WHT, F-XLN, MOD FRM, W/ TR INTR-XLN POR, W/ DULL YEL MIN FLU, NO VIS CUT OR STN, NO ODOR W/ ABDT WHT-OFF WHT- GY CHT

LS: WHT-OFF WHT, V/F-F-XLN, MOI FRM-HD, PRED DNS, BRTTL, W/ ABDT MICRO-FRAC W/ LRG REXLN, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

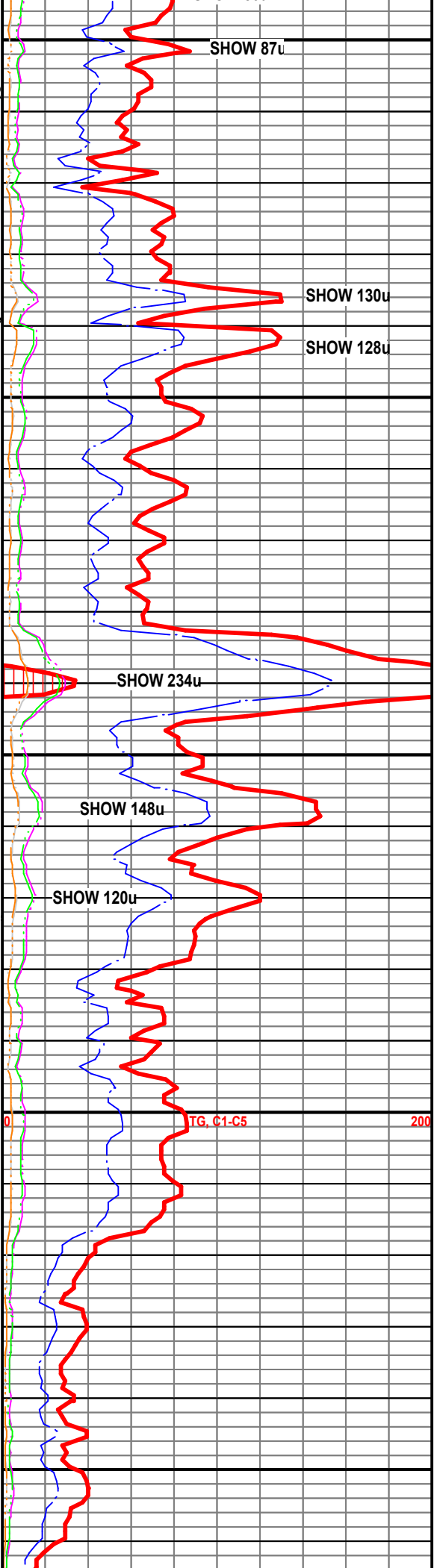
LS: WHT-OFF WHT-CRM, V/F-MICRO-XLN, SM F-XLN, PRED DNS, HD, SM MOD FRM I.P., W/ TR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

LS: OFF WHT-CRM, F-XLN, MOD FRM, SUC, DOLOM'IC, SLI ARGL I.P W/ FR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR

LS- WHT-OFF WHT, V/F-MICRO-XLN FRM-HD, DNS, SM BTRRL I.P., V/F-PR INT-XLN POR, W/ MOD BRT YEL FLU, NO VIS CUT, NO VIS STN, NO ODOR

NO SAMPLE CAUGHT

LS- LT BR-BRN-LT GY, V/F-XLN, FRM-HD, BRTTL, W/ PR INTR-XLN POR, NO VIS FLU, NO VIS CUT OR STN, NO ODOR



C

C

C

C

C

C

C

5,465' @ 12:01 AM
ON 12/6/2013

ROP (min/ft)

5300

5350

5400

5450

LS- LT BR-BRN-LT GY, V/F-XLN,
FRM-HD, BRTTL, W/ PR INTR-XLN
POR, NO VIS FLU, NO VIS CUT OR
STN, NO ODOR

LS: WHT-OFF WHT-BRN, V/F-F-XLN,
MOD FRM-HD, GLAUC'IC, SLI SLTY
I.P., PR INTR-XLN POR, NO VIS FLU,
NO VIS CUT OR STN, NO ODOR

LS: AAB

LS- OFF WHT-CRM-BRN, V/F-F-XLN,
MOD FRM-HD, SM SLI PYR'IC, TR
GLAUC, W/ TR-PR INTR-XLN POR,
NO VIS FLU, NO VIS CUT OR STN,
NO ODOR

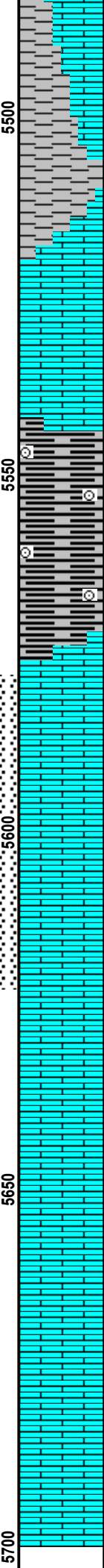
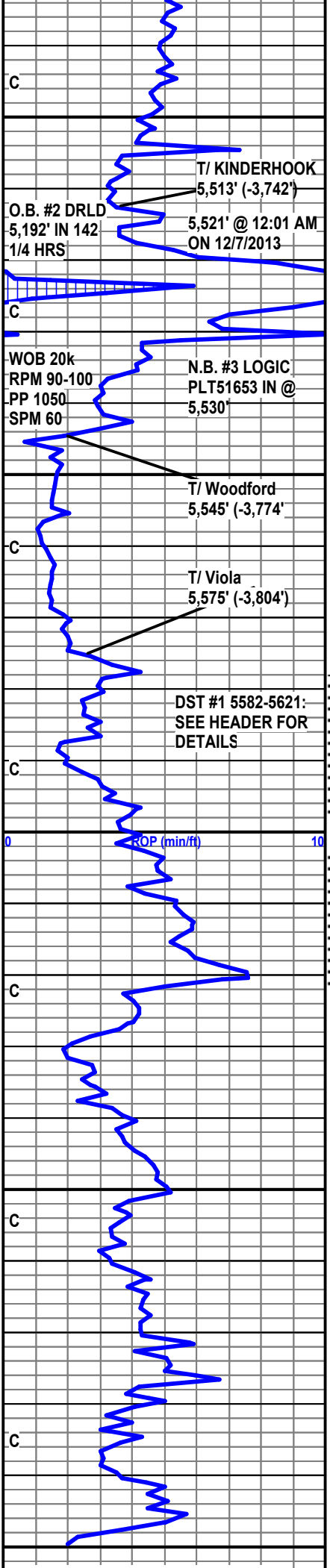
LS- OFFWHT-CRM-BUFF, V/F-F-XLN
MOD FRM-HD, PRD DNS, BRTTL, W/
PR INTR-XLN POR, NO VIS FLU, NO
VIS CUT OR STN, NO ODOR

LS- CRM-BUFF, SM LT BRN I.P.,
V/F-XLN, MOD FRM-HD, SM SLI
ARGL I.P., W/ PR INTR-XLN POR, NO
VIS FLU, NO VIS CUT OR STN, NO
ODOR

TG, C1-C5

200

NOTE: LIGHTER TEST, 30 SEC @
AGITATOR LARGE HOSE



SH- MED GY-LT BRN, V/F-TXT, MOD
 FRM-HD, PLTY, CALC, FNLV MICA

 LS: GY-LT BRN, V/F-F XLN, MOD
 FRM-FRM, SLI SLTY I.P., TR
 GLAUC, NO VIS FLU, NO VIS CUT
 OR STN, NO ODOR

 SH: DK GY-BLK-DK BRN, F TXT,
 SFT-MOD FRM, BLKY, SLI CALC, SL
 FOSS W/ TR CRINS, PYR'IC, CARB,
 W/ SPTTD ORNG FLU

 LS: OFF WHT-CRM-LT TN, V/F-XLN,
 MOD FRM-FRM, SM GLAUC'IC, W/
 PP VUG POR, W/ BRT YEL FLU, SLV
 STRMG CUT, NO VIS STN, FNT OIL
 ODOR

 LS- OFF WHT-TN, V/F-MICRO-XLN,
 MOD FRM-FRM, SM SLI ARGL I.P.,
 W/ PR INTR-XLN POR, NO VIS FLU,
 NO VIS CUT OR STN, NO ODOI

 LS- WHT, V/F-LRG XLN, SFT,
 CHLKY, SLI ARGL I.P., W/ TR
 INTR-XLN POR, W/ V/DULL YEL MIN
 FLU,

 LS: WHT-OFF WHT, V/F-MICRO-XLN
 MOD FRM, SM FRM I.P., TR-PR
 INTR-XLN POR, PRED DNS, BRITL.
 NO VIS FLU, NO VIS CUT OR STN,
 NO ODOR

 LS: CRM-LT TN, V/F-XLN, MOD FRM,
 SM SLI ARGL I.P., TR GLAUC, TR
 INTR-XLN POR, NO VIS FLU, NO VIS
 CUT OR STN, NO ODOR

 THANK YOU FOR USING
 GEODYNAMIC WELL LOGGING, INC

