



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

Well Name: LCCLU 204
Well Id:
Location: Sec 11 29s 38w. Grant County, Kansas
License Number: 15067-21839
Spud Date: Oct. 27th 2017
Surface Coordinates: 1934' FSL & 2453' FWL
Region: Big Sky
Drilling Completed: Oct. 31st 2017
Bottom Hole Coordinates:
Ground Elevation (ft): 3096' K.B. Elevation (ft): 3110'
Logged Interval (ft): 3800' To: 6610' Total Depth (ft): 6610'
Formation: Warsaw, Osage, Viola
Type of Drilling Fluid: Natural Chemical

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

OPERATOR

Company: MERIT ENERGY LLC
Address: 34727 NOEL ROAD, #1200
Dallas, Texas,
Co. Geo. Mr. Martin Lange

GEOLOGIST

Name: Tim Hedrick
Company: EarthTech OGL, Inc.
Address: PO Box 683
Hooker, Okla. 73945
888-543-8378 Cell 580-754-0062

ROCK TYPES

Anhy
Bent
Brec
Cht
Clyst
Coal
Congl
Dol

Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol

Shgy
Slstst
Ss
Till
Carb sh
Dol
Dtd
Gry sh

Sandylms
Shale
Slststn
Shlyslts
Sltysh
Lms

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Breccfrag
 Calc
 Carb
 Chtdk
 Chtlit
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau
 Gyp
 Hvymin
 Kaol
 Marl
 Minxl
 Nodule
 Phos
 Pyr

Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff
 Chlorite
 Dol
 Sand
 Sity

FOSSIL

Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram

Fossil
 Gastro
 Oolite
 Ostra
 Pelec
 Pellet
 Pisolite
 Plant
 Strom
 Fuss
 Oomold

STRINGER

Anhy
 Arg
 Bent
 Coal
 Dol
 Gyp
 Ls
 Mrst
 Sltstrg
 Ssstrg
 Carbsh

Clystn
 Dol
 Grysh
 Gryslt
 Lms
 Sandylms
 Sh
 Sltstn

TEXTURE

Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

OTHER SYMBOLS

POROSITY TYPE

Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint
 Vuggy

SORTING

Well
 Moderate
 Poor

ROUNDING

Rounded
 Subrnd
 Subang

Angular

OIL SHOWS

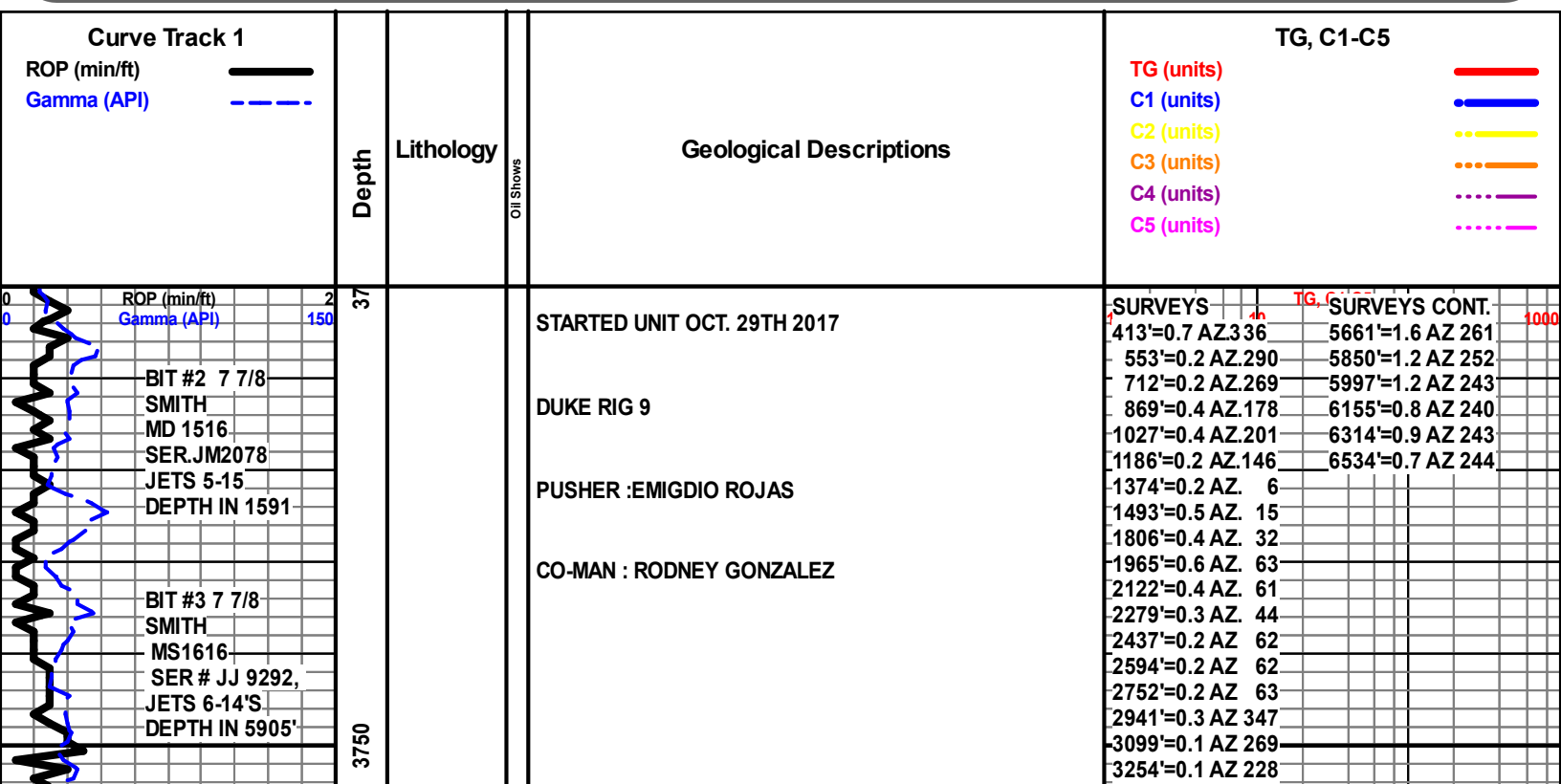
Even
 Spotted
 Ques
 Dead
 Gas show

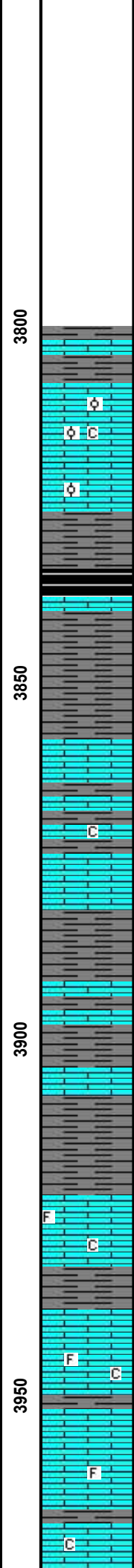
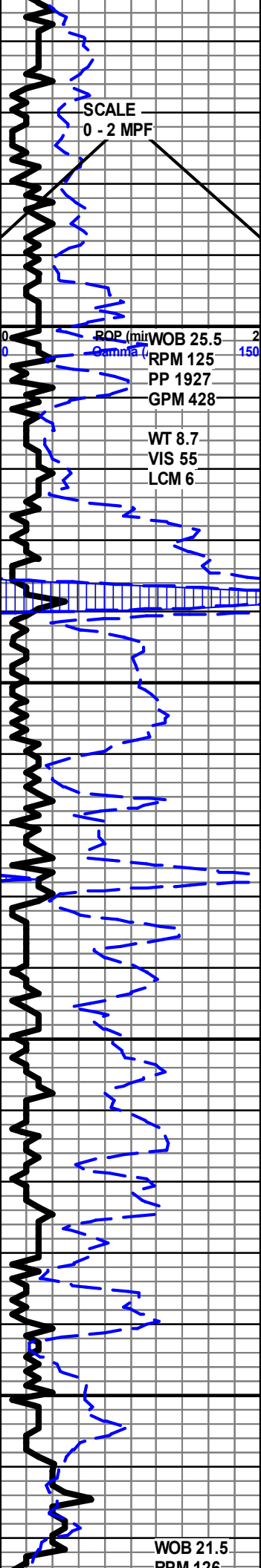
INTERVALS

Core
 DST
 DST

EVENTS

Rft
 Sidewall





LS- OFF WHT CRM BFF- HD DNS IP TO BRITT, MD-XLN TO SUCRO SLI S-CHLKY IP, TR FOSS FRGS SCAT IP, SLI TR CHLKY MICRO OOL IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

HEEBNER 3833' (-723')

SH- BLK SFT CARB

TORONTO 3857' (-747')

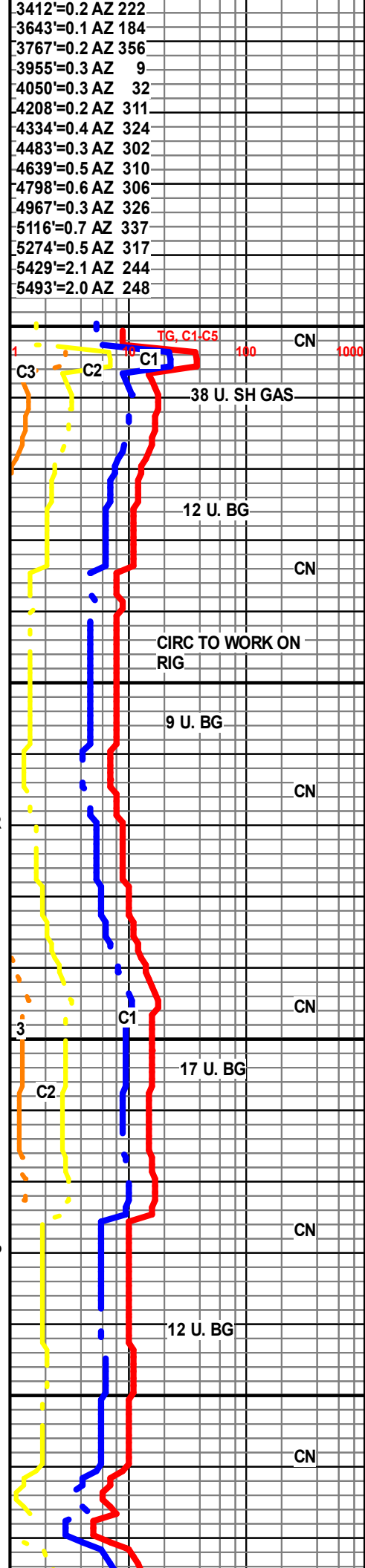
LS- OFF WHT CRM LT TN IP, HD DNSW TO BRITT, V/ SUCRO MTRX TO MED -XLN IP, TR S-CHLKY IP W/ HVY TR GY SH IMBD IP, LT BRIT YEL MIN FLO IP, NO VIS SHOW OR CUT

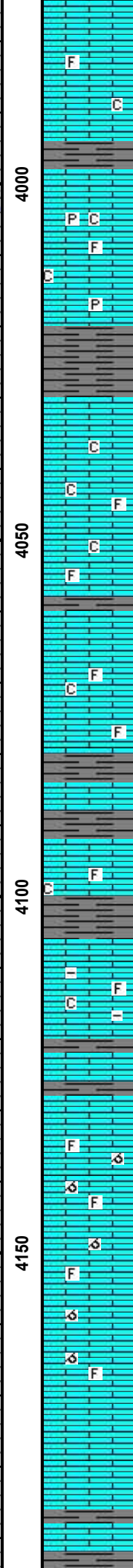
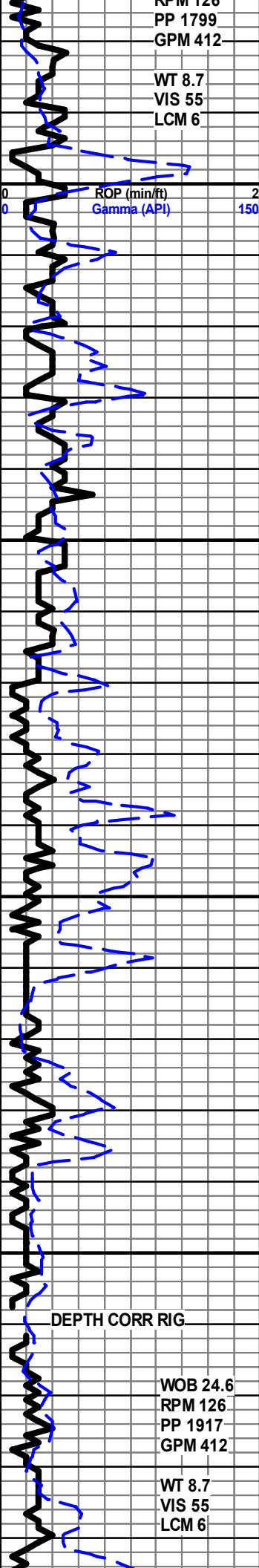
SH- LT TO GY DK GY IP- FRM BLKY SMTH TO GRAINY TXT, V/ CALC TO LMY, POSS SLI SLTY IP, TR LT GREEN SMOOTH SH IP

LANSING 3923' (-813')

LS- OFF WHT CRM LT TN- HD DNS IP TO BRITT, MD-XLN IP TO TT SUCRO SLI TR IMBD FOSS FRGS IP, SLI S-CHLKY IP, LT BRIT YEL SCAT MIN FLO IP, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM LT TN- HD BRITT IP, MD-XLN TO SUCRO S-CHLKY IP, SCA IMBD FOSS FRGS IP, HVY TR SFT WHT CHLK IP, DLL YEL MIN FLO SCAT THRU, NO VIS POR NO VIS SHOW





FOR NO VIS SHOW

LS- WHT OFF WHT CRM - HD DNS IP TO BRITT, V/ SUCRO
MTRX TO MED -XLN IP TR FOSS FRGS IP, SLI TR
S-CHLKY, TR DISS PYR IP, DLL LT YEL MIN FLO IP, NO
VIS POR, NO VIS SHOW

LS- WHT OFF WHT CRM - HD DNS IP TO BRITT, V/ SUCRO
MTRX TO MED -XLN IP TR FOSS FRGS IP, SLI TR TO V/
S-CHLKY, DLL LT YEL MIN FLO IP, NO VIS POR, NO VIS
SHOW

LS- OFF WHT CRM, HD DNS IP TO BRITT TO SFT, SUCRO
S-CHLKY MTRX, IMBD FOSS FRGS IP, TR IMBD SH IP, LT
BRIT YEL MIN FLO POSS INTER-XLN POR IP, NO VIS
SHOW OR CUT

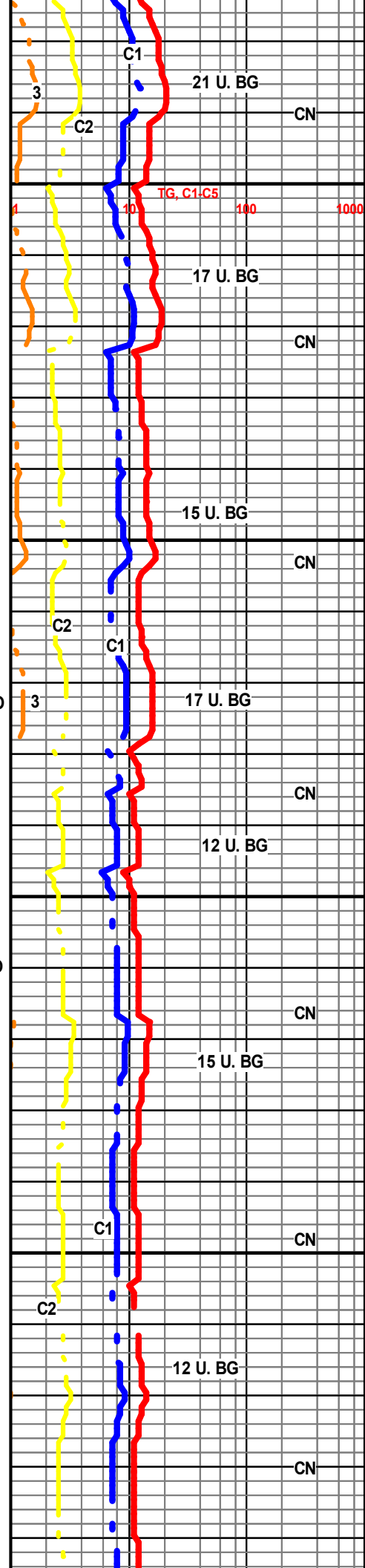
SH- LT TO MED GY- RM BLKY SLI TO V. CALC IP

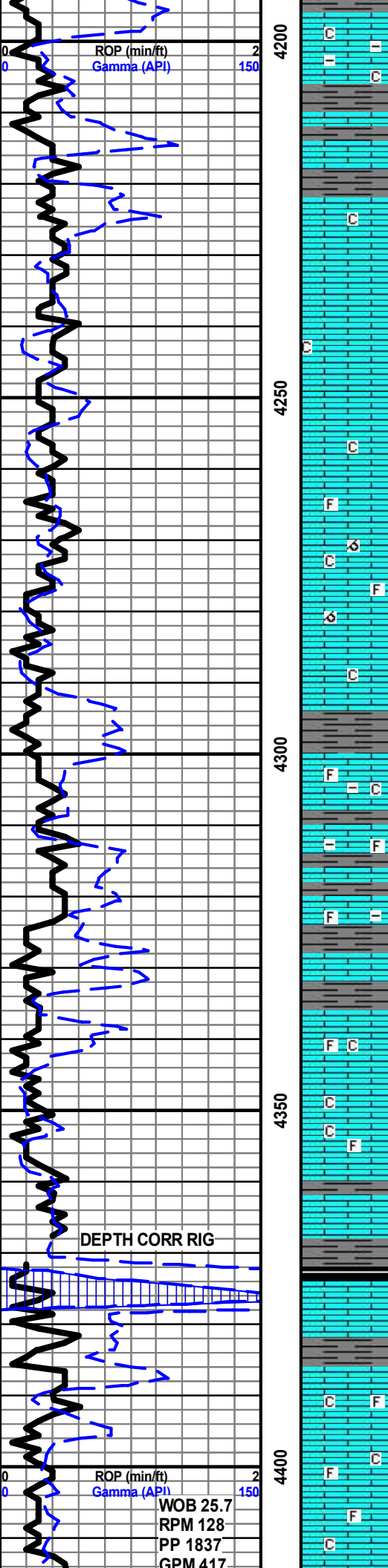
LS- OFF WHT CRM LT TN - HD TO BRITT, SFT IP, V/ SUCRO
S-CHLKY IP, TR FOSS FRGS IP, SLI TR IMBD LT GY SH IP,
HVY TRABDT FREE SFT WHT CHLK, LT YEL MIN FLO IP,
NO VIS POR, NO VIS SHOW

IOLA 4128' (- 1018')

LS-OFF WHT CRM LT TN IP- HD V/ BRITT MD-F-XLN, V/
RE-XLN MTRX SLI OOLITIC IP TO V/ OOLICAST, SMLL
CALC XLS IN POR, HVY TR FREE SFT WHT CHLK, LT
BRIT YEL FLO SCATT, V/ GD VIS OOLICAST POR THRU,
TR VIS VUG POR IP, NO VIS CUT OR SHOW

SH- LT TO MED GY- FRM BLKY SMTH TXT, SLI CALC





LS- CRM LT TN LT GY - HD DNS IP MOTT, MED TO FN -XLN , SLI SUCRO IP, IMBD SH SCAT THRU, SLI TR S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM LT TN IP-HD DNS IP TO BRITT, F-XLN TO SUCRO IP, SLI TO V/ S-CHLKY, LT BRIT YEL SCATT MIN FLO IP, NO VIS POR, NO VIS SHOW OR CUT

LS- OFF WHT CRM -HD TO BRITT, F-XLN TO SUCRO IP, SLI TR MICRO OOLCAST IP, SLI TO V/ S-CHLKY, TR FOSS FRGS SCAT IP, LT BRIT YEL SCAT MIN FLO IP, FR TO GOOD SCAT MICRO OOLICAST POR IP, NO VIS SHOW OR CUT(STRNG SULPHUR ODOR)

LS- CRM LT TN LT GY- HD DNS MOTT IP, MED- XLN TO V/ TT SUCRO IP, SCATT IMBD FOSS FRGS IP, SCAT IMBD LT GY SH , NO FLO, NO VIS POR, NO VIS SHOW OR CUTS

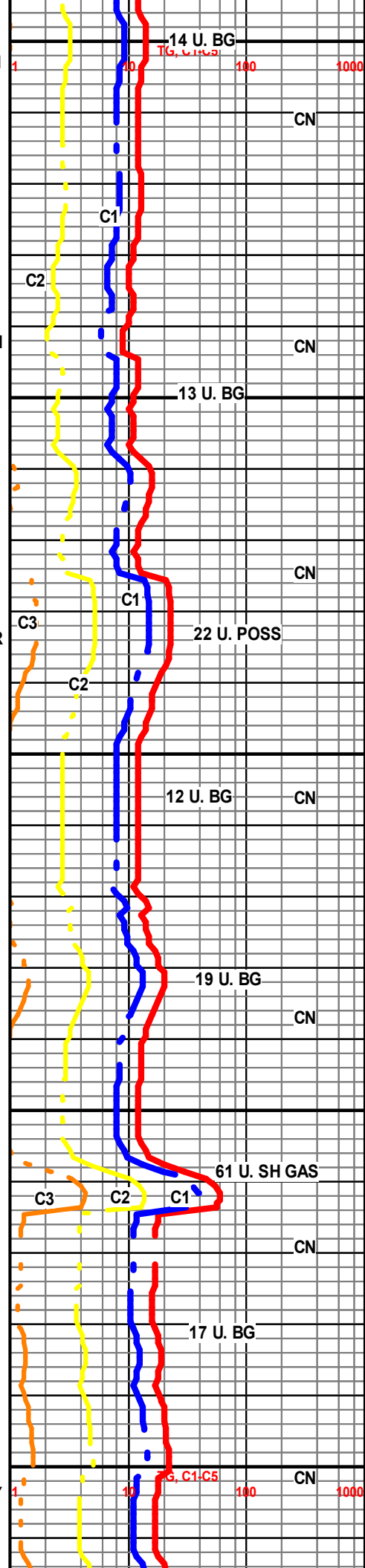
LS- CRM LT TN OFF WHT IP, HD DNS IP TO BRITT, MED -XLN RE-XLN MTRX, V/ SUCRO IP S-CHLKY , LT BRITT YEL FLO IP, PR VIS MICRO PP TO INTER-XLN POR, SLI SULPHUR ODOR, NO VIS SHOW OR CUT

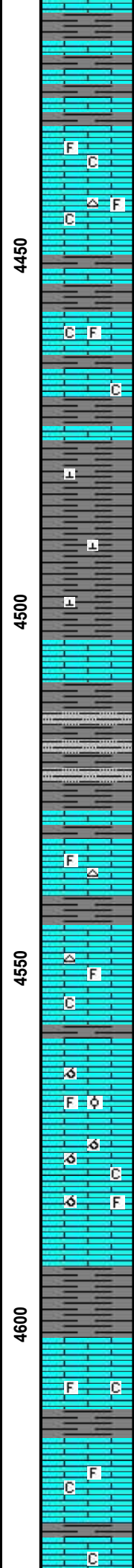
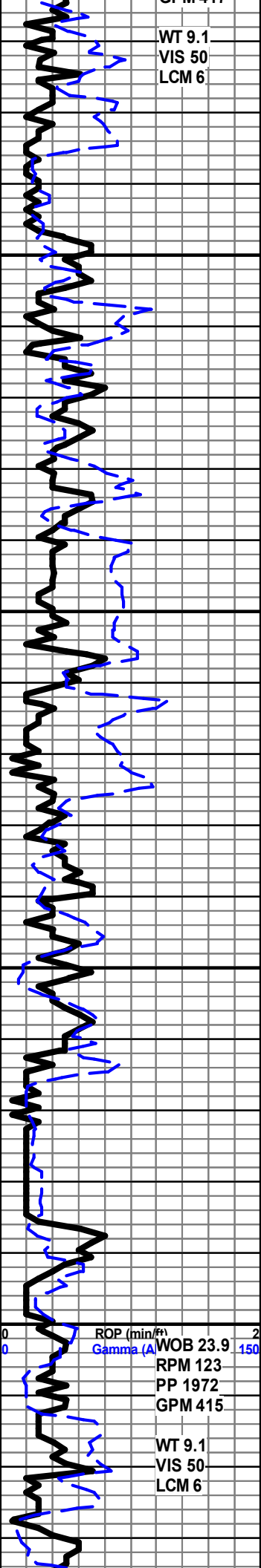
HUSHPUCKNEY 4369' (-1259')

SH- BLK SFT CARB

SWOPE 4386' (-1276')

LS- OFF WHT CRM BUFF- HD DNS IP TO V/ BRITT, MED-XLN V/ RE-XLN MTRX, V/ SUCRO IP TO V/ V/ S-CHLKY, ABDT SCAT IMBD FOSS FRGS SCAT THRU, HVY TR ABDT FREE SFT CHLK, V/ DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT





SH- GY DK GY- FRM BLKY SMOOTH TO SLI GRNY TXT IP,
V/ CALC TO TR LMY IP

LS- OFF WHT CRM LT TN - HD TO V/ BRITT, MED -XLN TO
SUCRO IP HVY TR WHT TRNSLCNT CHRT SCAT IP AND
IMBD, DLL YEL FLO, NO VIS POR, NO VIS SHOW OR CUT,
SLI TR FLEETING SLPHUR ODOR

SH- LT GY TO GY- FRM BLKY SMOOTH TXT IP TO V/ FN
GRNY TXT , V/ CALC IP

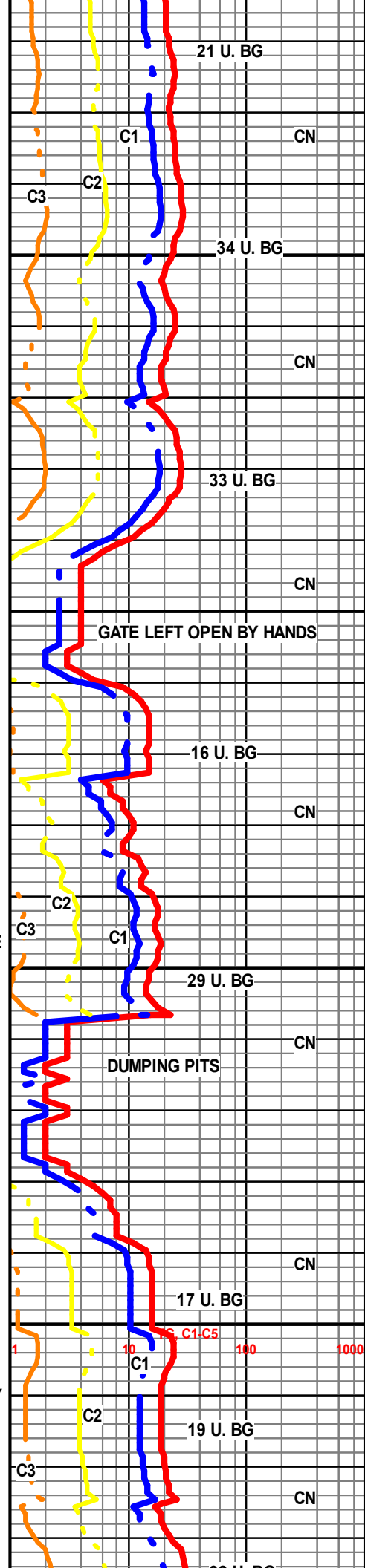
SH- LT GY TO GY LT GREEN IP- FRM BLKY SMOOTH TXT
IP TO V/GRAINY TXT , SLI TR SILTY IP

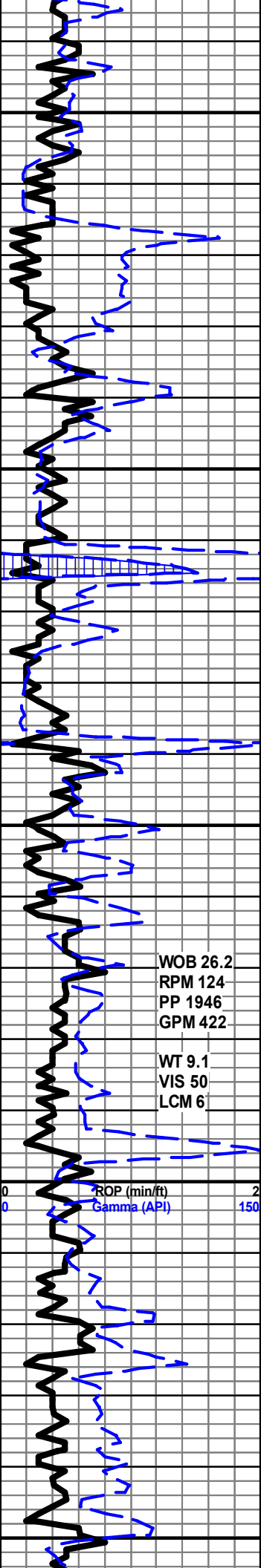
MARMATON 4532' (- 1422')

LS- OFF WHT CRM BFF- HD TO BRITT, MED-XLN RE-XLN
MTRX TO CRSE SUCRO IP, SMLL ANG LM GRNS IP, S CAT
FOSS FRGS IMBD IP, TR WHT LT TN CHERT, HVY TR FREE
SFT WHT CHLK, LT YEL MIN FLO IP, NO VIS POR, NO VIS
SHOW OR CUT

LS- CRM LT TN TN OFF WHT IP, HD V/ BRITT, MED-XLN
RE-XLN MTRX V/ MICRO OOLICAST TO OOLICAST THRU,
ABDT IMBD SMLL MED OOL, SLI TR FREE SFT CHLK IP,
LT BRIT YEL MIN FLO, FR VIS SCAT OOLICAST POR , NO
VIS SHOW OR CUT

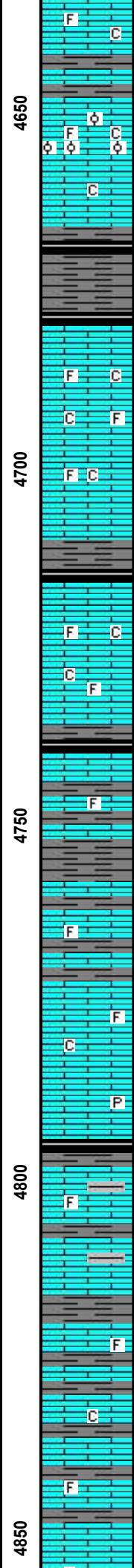
LS- OFF WHT CRM LT TN - HD TO BRITT , V/ TT SUCRO
MTRX, TR IMBD FOSS FRGS SCAT THRU, SLI TR S-CHLKY
IP, TR IMBD SH IP, NO FLO, NO VIS POR, NO VIS SHOW





WOB 26.2
RPM 124
PP 1946
GPM 422

WT 9.1
VIS 50
LCM 6



LS- OFF WHT CRM LT TN- HD DNS TO TR BRITT, MED-XLN RE-XLN MTRX, ABDT IMBD V/ SMLL TAN OOL IP, TR FOSS FRGS IP, GRDING TO SFT WHT FREE CHLK IP, LT BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

PAWNEE 4666' (- 1556')

SH-V/ DK GY FRM BLKY SMOOTH TXT TO BLK SFT CARB

LS- WHT OFF WHT BFF- HD IP TO V/ SFT V/ SUCRO TO SUCRO S-CHLKY TO CHLKY, TR ABDT FREE SFT WHT CHLK IP, SCAT IMBD FOSS FRGS IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW OR CUT

SH- BLK SFT CARB TO V/ DK GY- FRM BLKY GRNY TXT

LS- OFF WHT CRM LT GY- MED HD TO BRITT, V/SUCRO S-CHLKY MTRX, IMBD FOSS FRGS IP, IMBD LT GY SH IP, SLI TR FOSS FRGS IP, LT TO DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW OR CUT

CHEROKEE 4739' (- 1629')

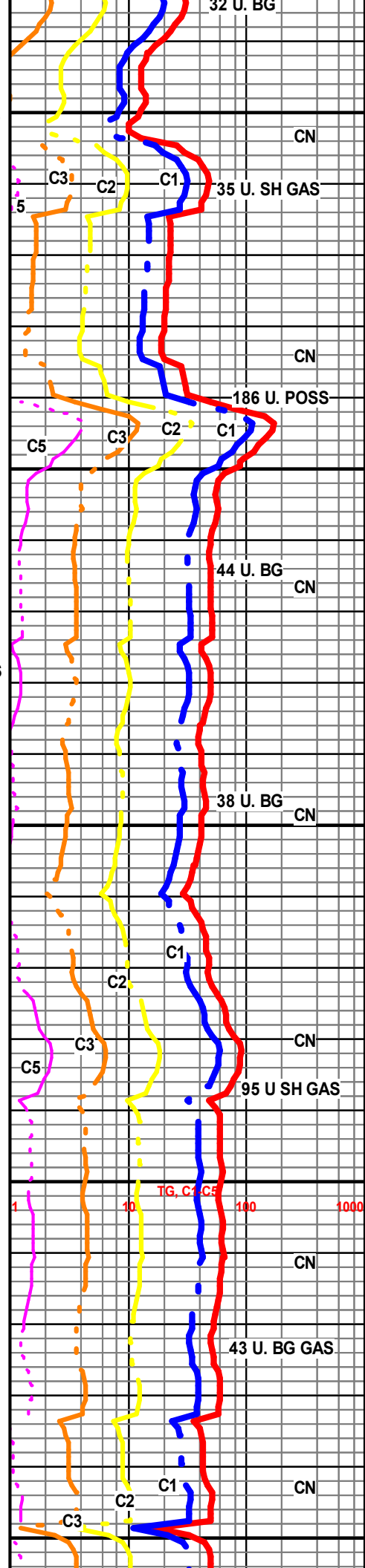
LS & SH INTRBEDS, CRM LT GY TO DK GY IP- MOTT, V/ SUCRO MTRX TO MED -XLN IP, ABDT IMBD DISS AND LMNTD GY TO DK GY SH , TR FOSS FRGS , NO FLO, NO VIS POR, NO VIS SHOW OR CUT

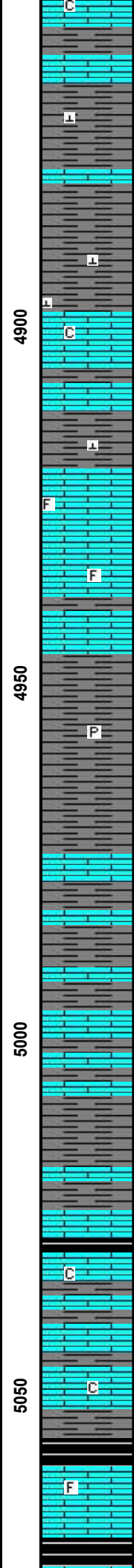
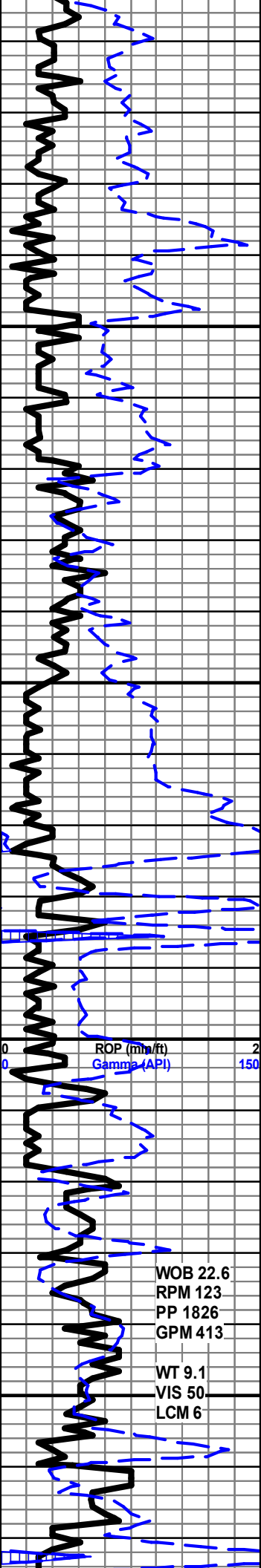
LS- CRM LT TN GY IP- HD DNS TO TR BRITT, V/ CRS SUCRO MTRX, TR FOSS FRGS IP, SLI TR SFT CHLK IMBD IP, SLI TR DISS PYR IP, LT BRIT YEL MIN FLO, NO VIS POR , NO VIS SHOW OR CUT

SH- BLK SFT CARB

LS- OFF WHT CRM LT GY TO GY-MOTT HD DNS TO BRITT, F-XLN TO SUCRO IP, ABDT IMBD LMNTD & DISS SH SCAT THRU, TR FOSS FRGS IP, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- CRM LT TN LT GY TO GY - MOTT IP HD TO V/ BRITT, MD-XLN TO V/SUCRO MTRX, IMBD FOSS FRGS SCAT THRU, SLI TR S-CHLKY IP, BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT





LS- CRM TN TN BRN- MOTT IP HD DNS TO BRITT, FN XLN , W/ ABDT IMBD SMLL TO MD ANG LM GRNS THRU, SLI TR S-CHLKY IP, NO FLO , NO VIS POR, NO VIS SHOW OR CUT

SH- GY DK GY - FRM BLKY SMOOTH TO GRAINY TXT IP, SLI TO V/ CALC IP

LS- CRM LT TN GY IP - HD TO V/ BRITT, MD-XLN TP V/ SUCRO MTRX, TR IMBD FOSS FRGS SCAT THRU, SLI S-CHLKY IP, BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- OFF WHT CRM LT TN, HD DNS TO TR BRITT, MD-XLN, RE-XLN MTRX, IMBD FOSS FRGS IP, IMBD GY SH IP, V DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW

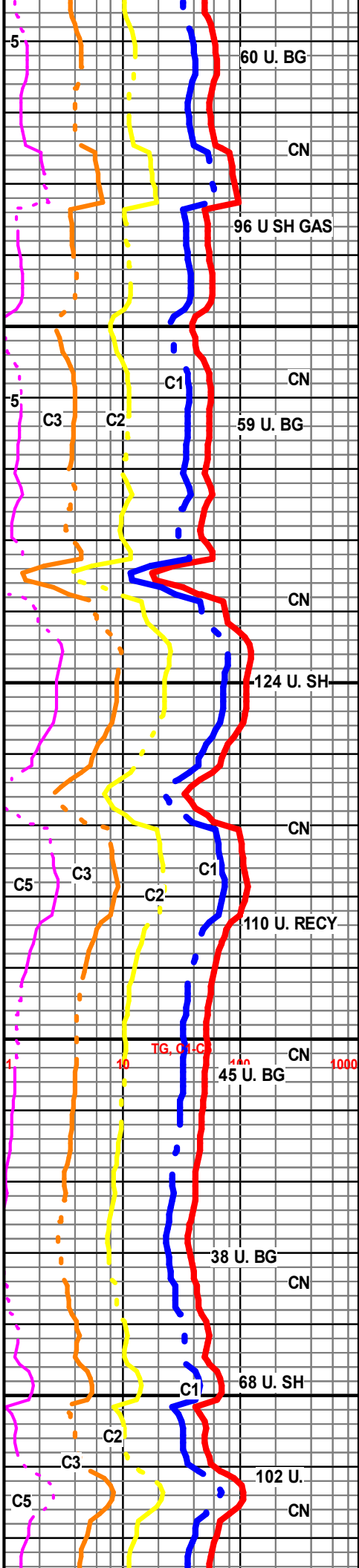
SH- GY DK GY -FRM BLKY SMOOTH TX TO BLK SFT CARB TR PYR IP

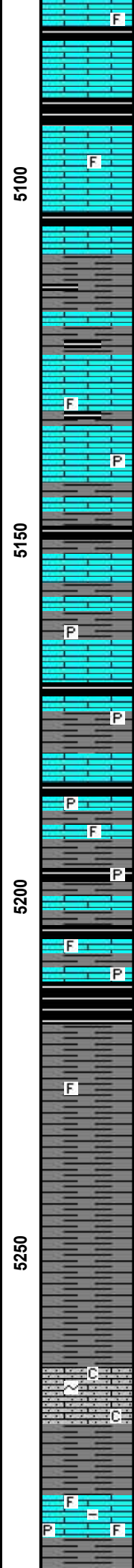
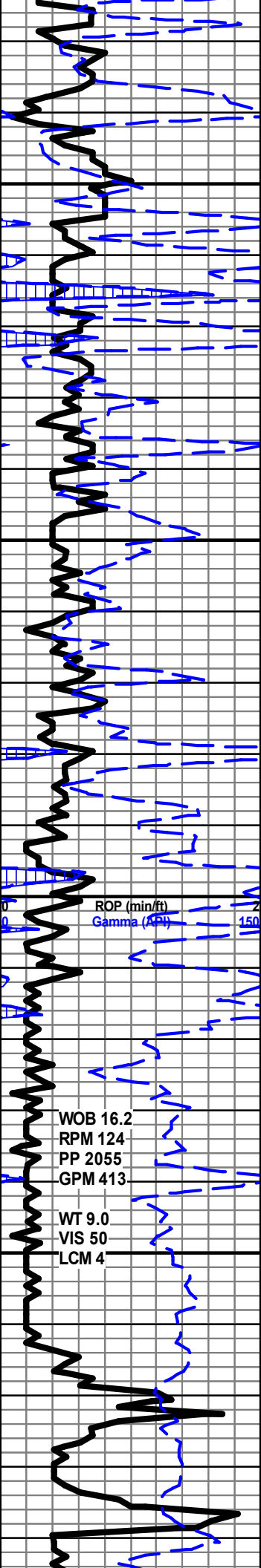
LS- CRM LT TN LT GY TO GY-HD DNS TO BRITT IP, MD-F-XLN, V/ FN SUCRO IP, SLI S-CHLKY IP W/ IMBD DISS AND LMNTD MED GY SH IP, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

SH- BLK SFT CARB SLI CALC

LS- OFF WHT CRM LT TN LT GY IP, MOTT, HD DNS BRITT, V CRS SUCRO MTRX, SLI S-CHLKY THRU, IMBD SCAT DISS SH THRU , V/ DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

LS- CRM LT TN LT GY TR DK GY IP- HD DNS MOTT IP, F-XLN IP TO V/ TT SUCRO MTRX, TR IMBD FOSS FRGS IP, TR IMBD BLK SH IP, LT BRIT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW OR CUT





POR, NO VIS SHOW OR CUT

SH- BLK SFT CARB

LS- CRM LT TN LT GY- HD DNS MOTT , MED TO F-XLN TO V/ TT SUCRO MTRX, IMBD FOSS FRGS IP, TR IMBD BLK SH AND DK GY SH IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW OR CUT

SH- V/ DK GY- FRM BLKY SMOOTH TXT TO BLK SFT CARB , TR CALC IP

LS- CRM TAN LT TN DK GY TO BLK- HD DNS, MOTT, MD-F-XLN RE-XLN IP, ABDT IMBD LMNTD SH SCAT THRU, V/ SLI TR FOSS FRGS IP, DISS PYR IP, V/ DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW OR CUT

LS- OFF WHT RM LT N GY DK GY- HD DNS TO BRITT, MED-FN-XLN , RE-XLN MTRX, SUCRO IP ABDNT LMNTD DK TO BLK SFT CARB SH IP, TR DISS PYR AND TR PYR CLSTRS IP, SCAT DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- CRM LTGY - HD DNS TO BRITT, MD-XLN RE-XLN IP TO TT SUCRO IP, IMBD DISS DK GY SH IP, SLI TR FOSS FRGS IP, SLI TR FNLY DISS PYR IMBD IP, DLL YEL MIN FLO , NO VIS POR, NO VIS SHOW

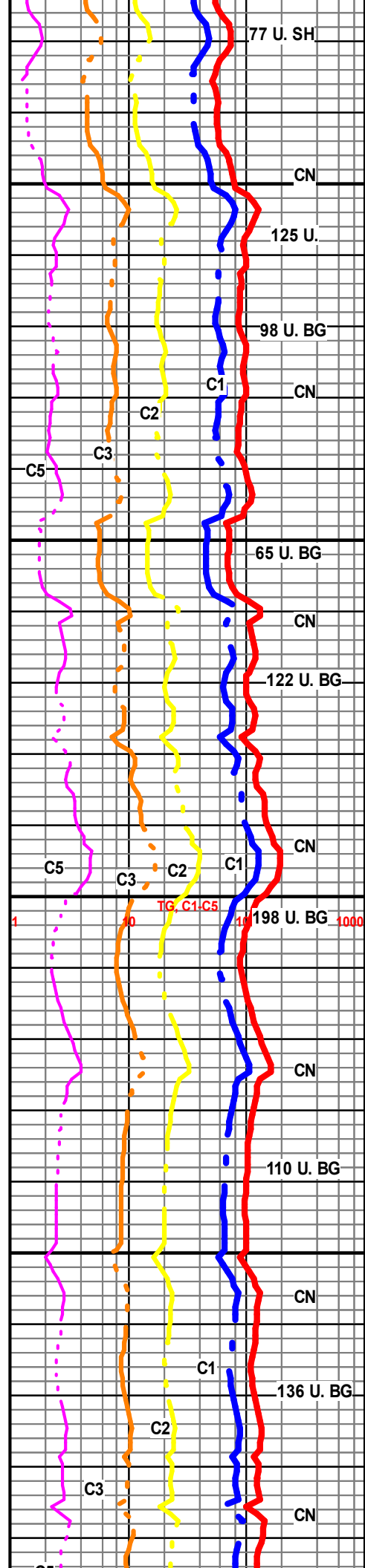
SH- BLK SFT CARB

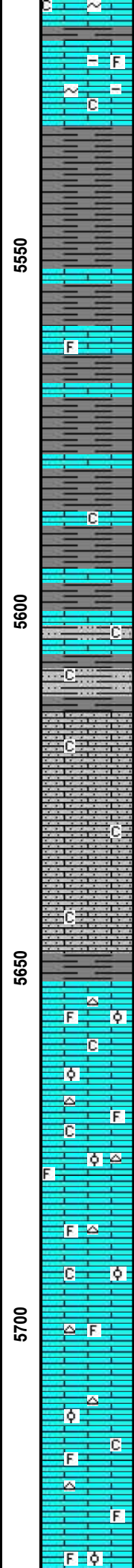
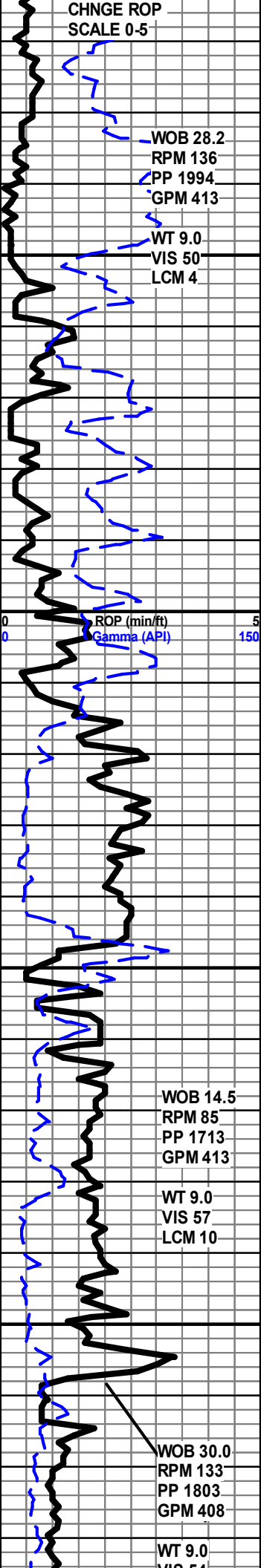
MORROW 5213' (-2103')

SH- GY V/DK GY- FRM BLKY SMOOTH TXT TO HD SPLNTY IP, TR FREE FOSS FRGS

LS- WHT OFF WHT CRM- MED HD TO BRITT, V/ SUCRO MTRX, S-CHLKY THRU, ABDT IMBD FN TO V/FN GRN QRTZ, S- ANG TO S-RND , TR IMBD GLAUC IP, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- CRM LT TN TN GY IP- HD DNS TO BRITT, MD-XLN RE-XLN MTRX SCAT IMBD FOSS FRGS TR PYR





IMBD DK GY SH IP,SLI TR GLAUC OR KAOL, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

CHESTER 5531' (-2419')

SH- LT TO MED GY- FRM BLKY SMOOTH TXT TO REDDISH IP MOTT- V/ SLI FN GRAINY TO SLI SILTY LOOKING LUSTER

LS- CRM TN GY IP, SLI MOTT MD-XLN RE-XLN MTRX, IMBD FOSS FRGS, SCAT TR IMBD DK GY SH IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- OFF WHT CRM TN GY- MOTT HD BRITT, F-XLN TO SUCRO S-CHLKY IP, IMBD LT GY SH , LT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- PINK OFF WHT RED- MOTT, HD TT, V/ SUCRO MTRX, V/AREN TO SNDY W/ ABDT IMBD DISS SH THRU, NO FLO, NO VIS POR, NO VIS HOW

ST. GEN. 5615' (- 2505)

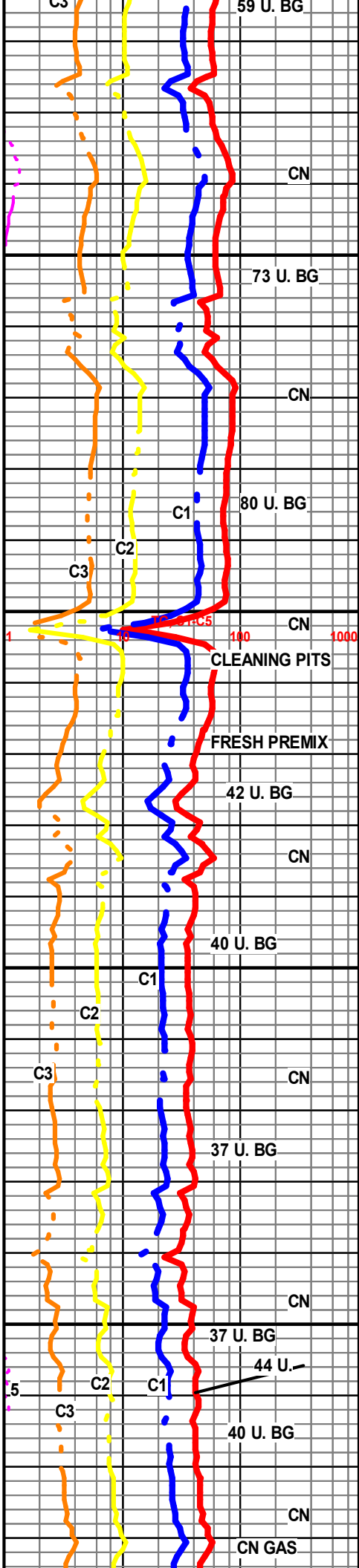
LS- OFF WHT WHT , HD DNS TO V/ BRITT, V/ SUCRO, V/ AREN TO SNDY, V/ S-CHLKY ,NO FLO, NO VIS POR, NO VIS CUT OR SHOW

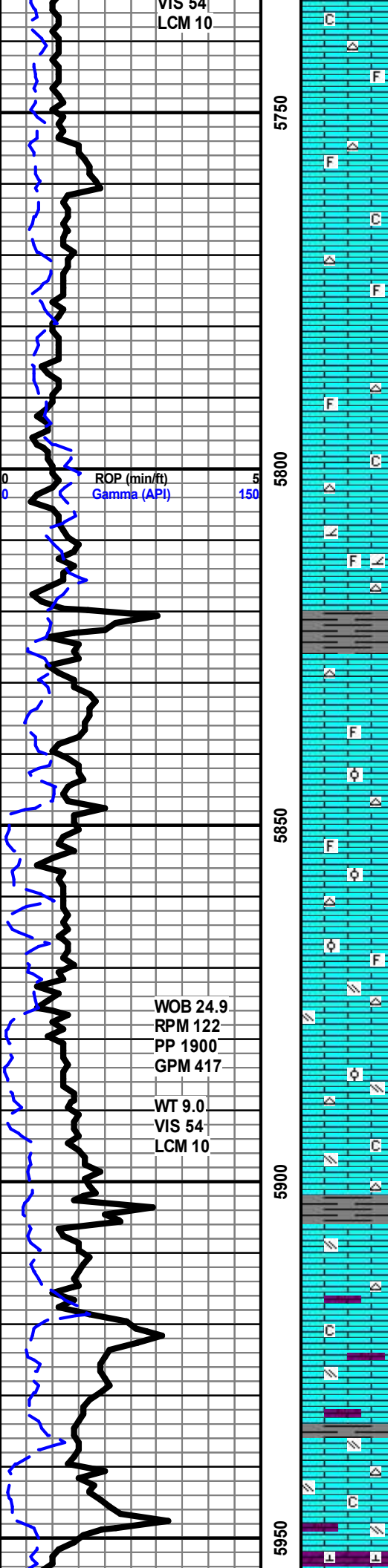
ST.LOUIS 5652' (-2542')

LS-OFF WHT CRM - HD V/ BRITT, MED XLN RE-XLN MTRX, IMBD FOSS FRGS IP, SCAT SMLL IMBD OOL, V/ S-CHLKY , WHT TRANSLCNT CHERT, LT BRIT YEL MIN FLO THRU, NO VIS POR, NO VIS SHOWOR CUT

LS-OFF WHT CRM LT TN - HD V/ BRITT TO SFT IP, MED XLN RE-XLN MTRX, IMBD FOSS FRGS IP, SMLL SCAT SMLL IMBD OOL, V/ S-CHLKY IP , WHT TRANSLCNT CHERT, LT BRIT YEL MIN FLO THRU, NO VIS POR, NO VIS SHOW OR CUT

LS- OFF WHT WHT TO CRM BFF- HD BRITT TO SFT IP, MD-XLN RE-XLN MTRX, V/ S-CHLKY IP , FOSS FRGS IMBD IP, TR CHLKY OOL IP, TRANSLCNT WHT CHRT, LT BRIT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW





LS- CRM LT TN TN - HD DNS TO BRITT, MD-XLN RE-XLN MTRX, IMBD SMLL TO MED ANG LM GRNS IP, TR FOSS FRGS, ABDT WHT CHERT, SLI TR S-CHLKY IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN - HD DNS TO BRITT IP MED-XLN RE-XLN MTRX, SMLL TO MED ANG LM GRNS IP, TR FOSS FRGS IP, TR S-CHLKY, ABDT WHT CHERT, LT BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

LS - TN DK TN BRN- HD DNS MOTT, V/F-CRYPTO-XLN, TO V/ TT SUCRO IP, SLI DOLO IP, DLL YEL MIN FLO, NOVIS POR, NO VIS SHOW

SH- LT OLIVE GREEN- FRM BLKY SMOOTH TXT

LS- CRM LT TN TN - HD DNS TO BRITT IP MED-XLN RE-XLN MTRX, SMLL TO MED ANG LM GRNS IP, TR FOSS FRGS IP, SLI TR SMLL CHLKY OOL IP, TR S-CHLKY, ABDT WHT CHERT, LT BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- OFF WHT CRM LT TN - HD DNS TO BRITT MED-XLN RE-XLN MTRX TO SUCRO IP, SLI TR SMLL CHLKY OOL IP, TR S-CHLKY, WHT CHERT, ABDT SFT WHT GYP, LT BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

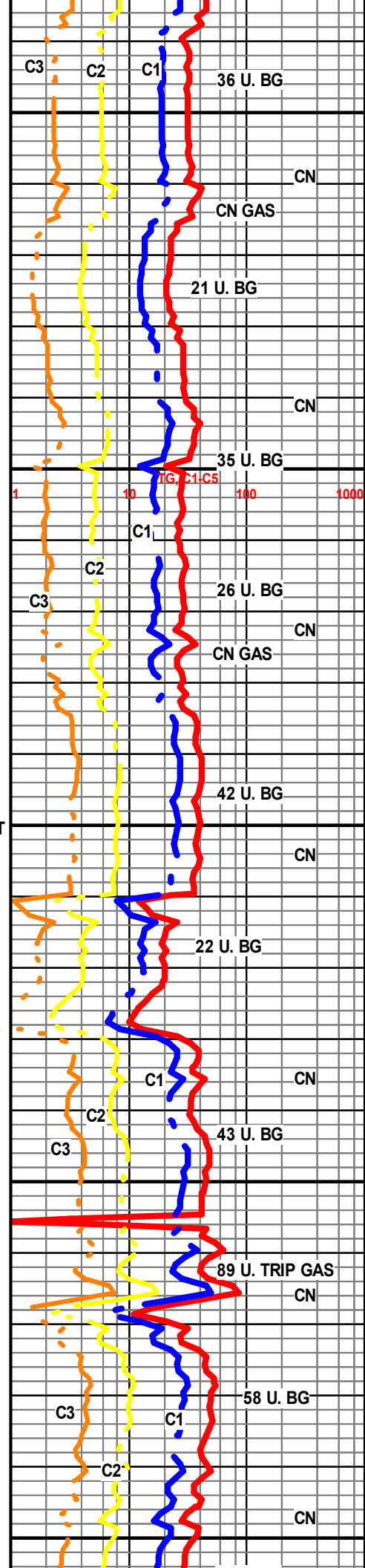
SPERGEN 5903' (-2793')

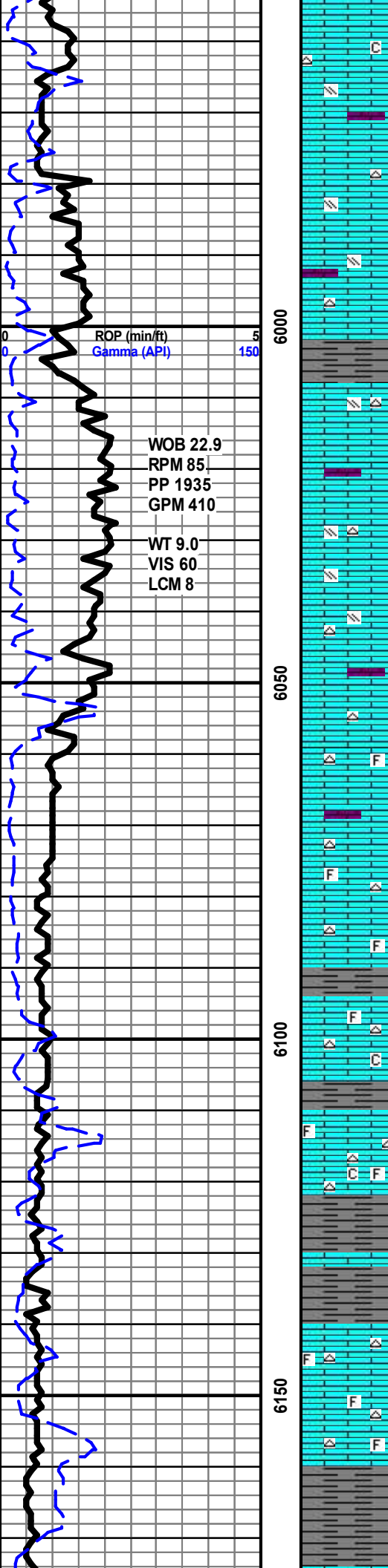
BIT TRIP @ 5905' BACK ON BOTTOM AND DRILLING AT 3:10 AM, OCT.31ST, 2017

BIT #3, SMITH- 7 7/8" , MS1616, SER # JJ 9292, JEST 6-14'S

LS- CRM TN LT GY- HD DNS MED-F-XLN RE-XLN IP, V/ TT SUCRO IP 20% DOLO IP, HVY TR ABDT SFT WHT GYP, WHT CHERT, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- BRN TO DK BRN- FRM BLKY SMOOTH TXT SLI CALC IP





DOLO- LT TN TN - HD DNS TR BRITT, V/ FN SUCRO MTRX, V/ CALC TO LMY IP, HVY TR ABDT SFT WHT GYP IN SAMPLES

LS- OFF WHT CRM LT TN LT GY- HD DNS TO BRITT, MED -XLN TO SLI SUCRO IP S-CHLKY, ABDT WHT TRNLCNT CHRT, ABDT SFT WHT GYP OR ANHYD, SCAT LT LEMON YEL FLO, NO VIS POR

LS- LT GY TO OFF WHT CRM BFF- HD DNS TO BRITT IP, SLI TO V/ DOLO IP'S, TRANSLCNT TO WHT CHERT, ABDNT SFT WHT GYP & OR ANHY, NO FLO,NO VIS POR

LS- LT GY TO CRM BFF- HD DNS TO BRITT IP, SLI TO V/ DOLO IP'S, TRANSLCNT TO WHT CHERT, ABDNT SFT WHT GYP & OR ANHY, NO FLO,NO VIS POR

LS- OFF WHT CRM BFF- F-MED -XLN , CRS SUCRO TXT IP, IMBD FOSS FRGS SCAT IP ABDT WHT OPQUE CHRT, SLI S-CHLKY, SLI TR DOLO IP, LT LEMON YEL FLO, NO VIS POR, NO VIS SHOW OR CUT

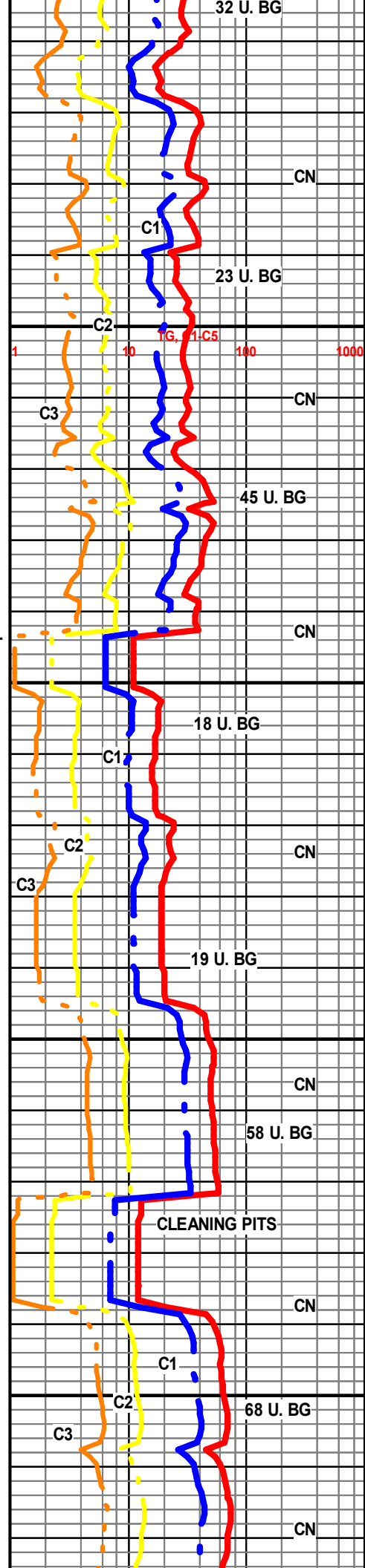
SH- GY DK GY- FRM BLKY SMOOTH TXT SLI CALC

LS- OFF WHT CRM TR LT GY- HD DNS MED -XLN , IMBD FOSS FRGS SCAT IP ABDT WHT OPQUE CHRT, SLI S-CHLKY, LT LEMON YEL FLO, NO VIS POR, NO VIS SHOW OR CUT

SH- LT GY TO LT BRN- FRM BLKY SMTH TXT TO SFT PLTY, V/ CALC IP

LS- OFF WHT CRM TR LT GY- HD DNS TO V/ BRITT, MED -XLN , IMBD FOSS FRGS SCAT IP ABDT WHT OPQUE CHRT, SLI SUCRO S-CHLKY,TR IMBD LT BGY SH, LT LEMON YEL FLO, NO VIS POR, NO VIS SHOW OR CUT

SH- LT GY TO LT BRN - FRM BLKY SMOOTH TXT TO SLI CALC IP



WARSAW 6175' (-3075')

LS- CRM TN LT BRN - HD DNS TO BRITT, F-XLN RE-XLN MTRX, IMBD FOSS THRU, ABTD MED ANG LM GRNS THRU, TR IMBD LT GY SH IP, OPQUE WHT CHRT IP, TR FREE LRG CALC XLS, LT BRIT YEL FLO IP, NO VIS POR, NO VIS SHOW

LS- CRM TN LT BRN - HD DNS TO BRITT, F-XLN RE-XLN MTRX, IMBD FOSS THRU, ABTD MED ANG LM GRNS THRU, IMBD LT GY SH IP, OPQUE WHT CHRT IP, LT BRIT YEL FLO IP, NO VIS POR, NO VIS SHOW

OSAGE 6254 (-3144')

CHERT- OFF WHT TO LT GY OPAQUE W/ IMBD FOSS . V/ CALC TO SLI LMY IP, CRYPTO-XLN TO SUCRO, SLI TR GLAUC IP, SLI TR DISS PYR IP, NO FLO, SOME VIS INTER-XLN POR IP, TO MICRO PP POR, NO VIS SHOW OR CUT

CHERT- OFF WHT TO LT GY OPAQUE W/ IMBD FOSS . CALC IP, CRYPTO-XLN TO SUCRO, GLAUC IP, SLI TR DISS PYR IP, NO FLO, SOME VIS INTER-XLN POR IP, TO MICRO PP POR, NO VIS SHOW OR CUT

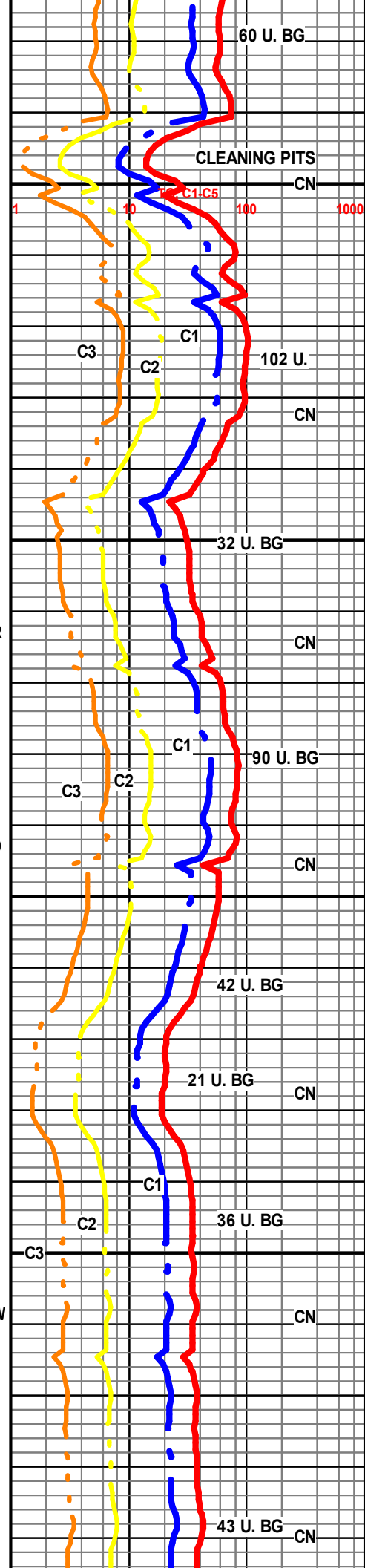
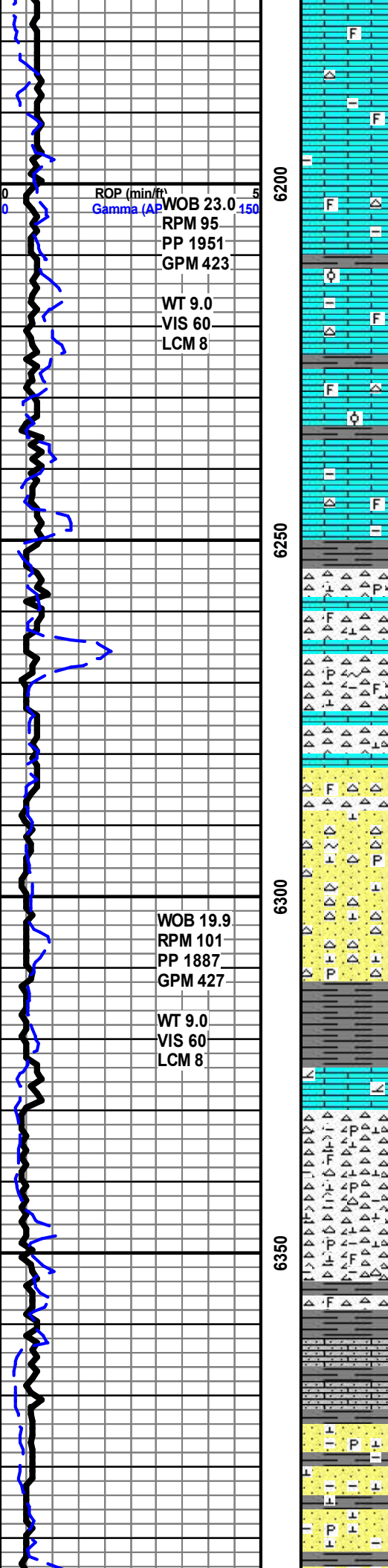
SS-PRED UNCONSOLIDATE GRAINS-ABTD F- V/F- CLR TO TAN QUARTZ GRAINS , OCC MED GRAINS , ANG S-ANG , FR SRT ,ABTD IMBD WHT TAN WEATHERED CHERT W/ TR FOSS IMBD, TR GLAUC, TR DISS PYR IP, SLI TR CALC, NO FLO, TR INTER-GRN POR, CRUSHES UPON TOUCH, NO VIS SHOW

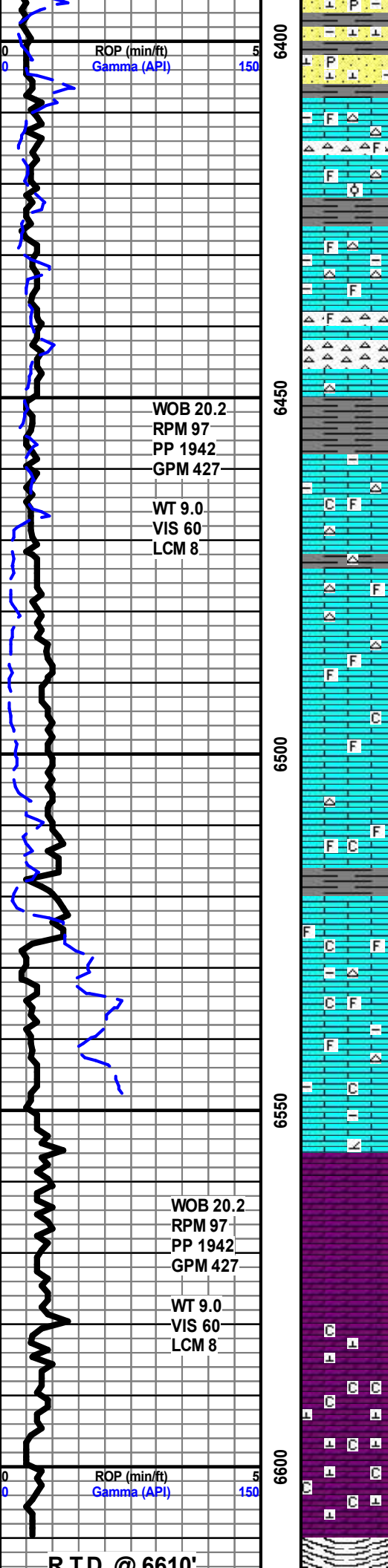
SH- LT TN TO DK BRN- FRM BLKY SMOOTH TXT

LS-OFF WHT CRM LT TN- HD DNS F-V/F-XLN FRLY NON DESCRIPT SLI DOLO IP, LT YEL FLO IP, NO VIS POR, NO VIS SHOW OR CUT

CHERT- OFF WHT TO LT GY OPAQUE W/ IMBD FOSS . V/ CALC TO SLI LMY IP, CRYPTO-XLN TO SUCRO, SLI TR DISS PYR IP, SCAT IMBD DISS GY SH IP, NO FLO, SOME VIS INTER-XLN POR IP, TO MICRO PP POR, NO VIS SHOW OR CUT

SS- LT TN TN LT BRN - HD TO V/ FRI IP, FN TO V/ FN-GRN QURTZ , ANG S-ANG, V/ CALC CMNT THRU, ABTD IMBD SCAT DISS GY SH IP, SCAT DISS PYR IP, NO FLO, PR VIS INTER-GRN POR IP, NO VIS SHOW





LS- CRM TN LT BRN - HD DNS TO BRITT, MED TO F-XLN
RE-XLN MTRX, ABDT IMBD FOSS THRU, ABDT IMBD AND
FREE OPQUE WHT CHRT W/ IMBD FOSS, TR IMBD LT GY
SH IP, LT BRIT YEL FLO IP, NO VIS POR, NO VIS SHOW

LS- CRM TN LT BRN - HD DNS TO BRITT, MED TO F-XLN
RE-XLN MTRX, ABDT IMBD FOSS THRU, ABDT IMBD AND
FREE OPQUE WHT CHRT, W/ STRNGERS OF CHERT W/
IMBD FOSS, TR IMBD LT GY SH IP, LT BRIT YEL FLO IP,
NO VIS POR, NO VIS SHOW

KINDERHOOK 6450' (-3340')

SH- LT TO MED GY TO TR BLK SFT CARB IP

LS- OFF WHT WHT CRM - HD DNS TO BRITT IP, MED-XLN
RE-XLN MTRX, ABDT IMBD FOSS FRGS THRU, SCAT IMBD
SMML CALC XLS, WHT CHERT, SLI TR S-CHLKY IP, TR
IMBD LT GY SH IP, LT YEL MIN FLO, NO VIS POR, NO VIS
SHOW OR CUT

LS- OFF WHT WHT CRM - HD DNS TO BRITT, MED-XLN
RE-XLN MTRX TO SUCRO SLI S-CHLKY IP, ABDT IMBD
FOSS FRGS THRU, SCAT IMBD SMML CALC XLS, WHT
CHERT TR IMBD LT GY SH IP, LT YEL MIN FLO, NO VIS
POR, NO VIS SHOW OR CUT

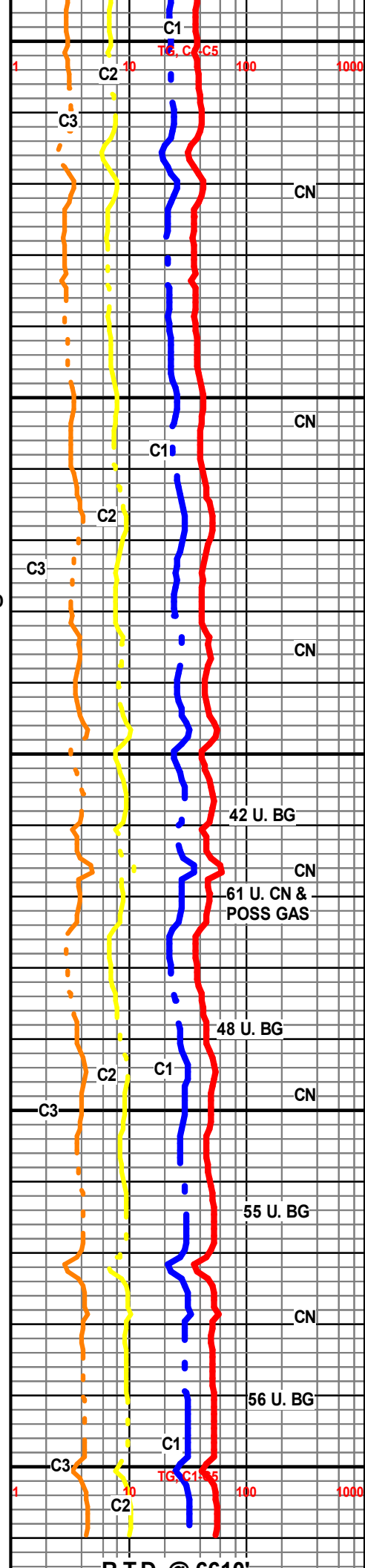
LS- OFF-OFF WHT LT GY GY- MOTT IP, MED -XLN RE-XLN
MTRX IMBD FOSS FRGS THRU, SMML CALC XLS IMBD IP,
HVY TR GY SH SCAT THRU, TN OPQUE CHERT, NO FLO,
NO VIS POR, NO VIS SHOW

VIOLA 6553' (-3443')

DOLO- WHT - HD TT TO V/ BRITT, V/ SUCRO MTRX, PRED
FN ANG DOLO GRAINS THRU, V/V/DLL YEL FLO, PR TO
FR VIS INTER-GRAIN POR IP, ABDT FREE GRAINS IN
TRAY, NO VIS SHOW

DOLO- WHT - HD TT TO V/ BRITT, V/ SUCRO MTRX, PRED
FN ANG DOLO GRAINS THRU W/ HVY TR CALC CMNT
SCAT IP, ABDT SFT WHT CALCAROUS FREE CHLK IP,
V/V/DLL YEL FLO, PR TO FR VIS INTER-GRAIN POR IP,
ABDT FREE GRAINS IN TRAY, NO VIS SHOW

R.T.D. @ 4:34 PM OCT.31ST 2017



K.I.D. @ 0010

L.T.D. @ 6610'

R.I.D. @ 6610

LOG COMPLETED BY TIM HEDRICK

SAMPLES WILL BE DELIVERED TO KGS.

CFS 1 HR.

SHORT TRIP 14 STANDS

CTCH/ TOFL/ HALLIBURTON

LOGGERS TEARING DOWN AT 10:40 AM NOV. 1ST