



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

Well Name: HUFF LAND #1-
Location: Sec 12 34S 28W, Meade County, Kansas
License Number: 15-119-21398-00
Spud Date: OCT. 20, 2016
Surface Coordinates: 660' FSL & 660' FEL

Region: JOHAN
Drilling Completed: NOV. 1, 2016

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2274' **K.B. Elevation (ft):** 2286'
Logged Interval (ft): 4136' **To:** 6200' **Total Depth (ft):** 6200'
Formation: CHESTER, ST. LOUIS
Type of Drilling Fluid: Natural Chemical

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

OPERATOR

Company: KENNETH W. CORY, LTD.
Address: 6750 W. Loop South, Ste. 1050
Bellaire, Texas 77401-4198
Co. Geo: Mr. Daniel Cory

GEOLOGIST

Name: Tim Hedrick/ Edwin H. Grieves
Company: EARTH TECH OGL, Inc./ Grieves & co.
Address: PO Box 683
Hooker, Okla. 73945
Cell: 580-754-0062/ Off. 888-543-8378

Daily Status

10/23/2016- On Location @ 1771' Gas unit operation @ 1771'. Trip out to repair rotary table @ 12:10 am depth 2535'
10/24/2016- 7 am - 2535' Working on Rotary Table
10/25/2016- 7 am - 3223' Drilling Ahead
10/26/2016- 7 am - 4200' Corrected to 4188' after bit trip strap
10/27/2016- 7 am - 4709' Drilling ahead
10/28/2016- 7 AM - 5085' Drilling ahead/ Trip f/ plugged Bit @ 5101' at 10:45 Am, BOB @ 5:03 Pm. Drilling
10/29/2016- 7 AM - 5305' Drilling Ahead
10/30/2016- 7 AM - 5623' Drilling Ahead
10/31/2016- 7 AM - 5940' Drilling Ahead

ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Sltst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Sltstn
	Shlyslts
	Slttysh
	Lms

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
	Chlorite
	Dol
	Sand
	Sltty

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

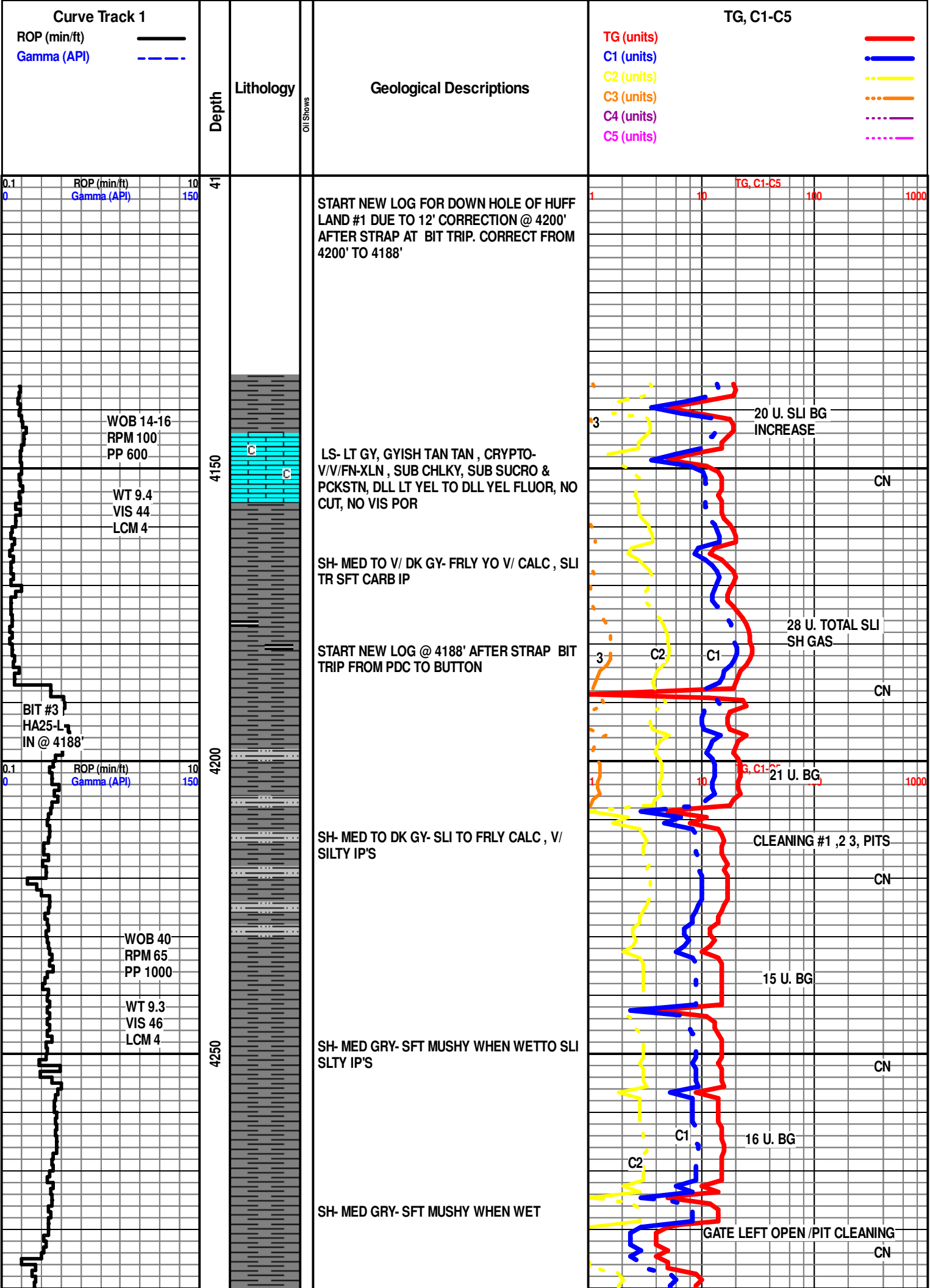
INTERVALS

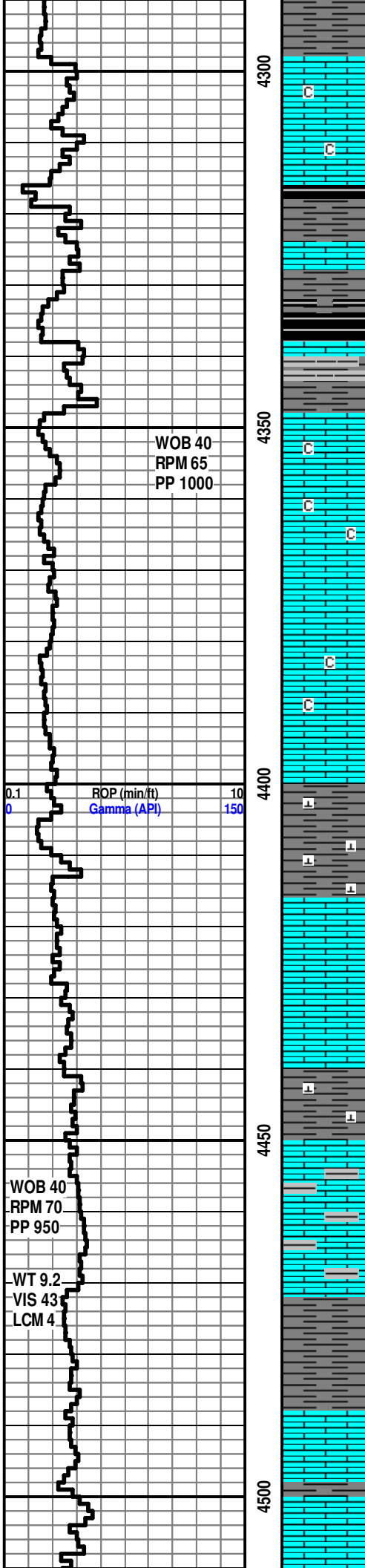
	Core
	Dst

	Dst
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EVENTS

	New symbol
	Rft
	Sidewall





LS- LT GY TO TAN- CRYPTO-V/V/FN-XLN TRS
CHLK, SUB SUCRO & PCKSTN. DLL YEL
FLUOR, NO CUT, NO VIS POR

SH- V/ DK GY TO BLK SFT CARB

HEEBNER SH 4338' (-2052')

SH- BLK SFT CARB

LS- GRAYISH TAN TO TAN-CRYPTO-XLN
PCKSTN TO S-LITHO, DLL LT YEL FLUOR, NO
CUT, NO VIS POR

SH- LT GY TO LT GRN, SLTY IP'S

TORONTO 4347' (-2061')

(FASTER DRILLING) LS- TRS TO HVY TRS WHT
TO CRM - CHLK, CRM LT TN SUB CHLK, SUB
SUCRO TO SUCRO, DLL LT YEL FLUOR, NO
CUT, HVY TRS PR MICRO PP POR & POSS
INTER-XLN POR IP'S

(SLOWER DRILLING) LS- LT GRY TO TAN,
CRYPTO-XLN TO PCKSTN, S-LITHO, DLL YEL
FLUOR, NO CUT, NO VIS POR

SH-MED TO LT GY- SLI TO V/ CALC IP'S
GRDNG TO V/ SHLY LS

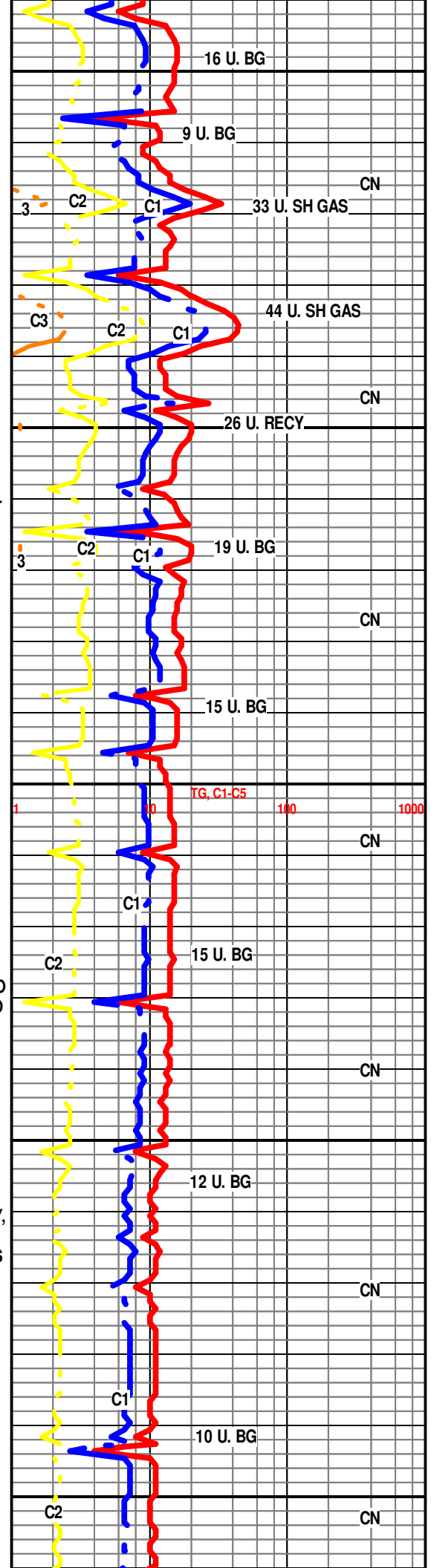
LS- GRY TAN TO TAN-CRYPTO- V/V/FN-XLN,
TR SUB CHALKY TO SUB SUCRO ,SUB SUCRO
& PCKSTN, DLL LT TO TRS LT YEL FLUOR, NO
CUT , NO VIS POR

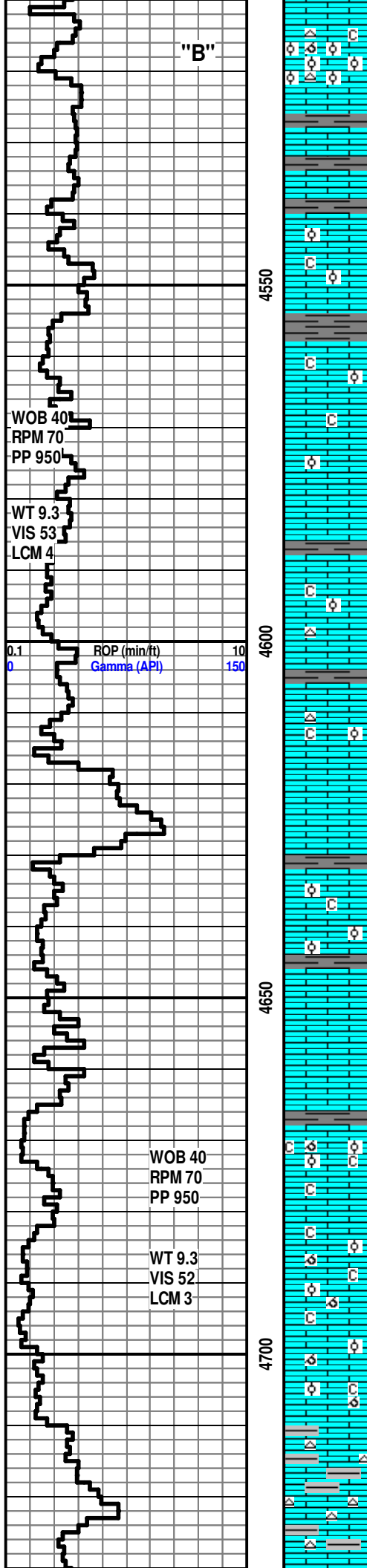
SH- LT YO MED GRY- SLI TO V/ CALC IP'S

LS- LT TO MED GRY , TRS DK GY-
CRYPTO-V/V/FN-XLN, SLI TO EXTREMELY SHLY,
GRDNG TO CALC SHLS, TRS SUB CHLKY ,
TRS SUB SUCRO & PCKSTN, NO CUT , NO VIS
POR, NO FLUOR

LANSING 4489' (-2203')

LS- LT GRY GRAYISH TAN TO
TAN-CRYPTO-V/FN-XLN, SUB SUCRO &
PCKSTN, TRS SUB LITHO, V/ DLL LT YEL
FLUOR, NO CUT, NO VIS POR





LS- TAN-CRYPTO-V/V/FN-XLN, VERY TO EXTREM OOLITIC, SLI TO TR FRLY OOLICSTIC, TRS SUB CHLKY, SUB SUCRO & PCKSTN, YEL FLUOR, NO VIS CUT, TRS PR TO FR OOLICSTIC POR, V/ QUESTIONABLE PERM, TRS TAN OPQUE CHRT

LS- LT GRY TO TAN- CRYPTO-V/V/FN-XLN ,SUB SUCRO & PCKSTN, PHNTM OOLITES IP'S, DLL LT YEL FLUOR, NO CUT NO VIS POR

SH- LT TO MED GRY- SLI TO V/ CALC IP

LS- TRS WHT TO CRM CHLK & LT TN TO TN CRYPTO- V/V/FN-XLN, SUB CHLKY, SUB SUCRO TO SUCRO , PHNTM OOLITES IP'S, DLL LT TO LT YEL FLUOR, NO CUT,ABDT PR FR TO TRS GD TO SLI TRS EXCEL MICRO PP POR & POSS INTER-XLN POR

LS- TRS WHT TO CRM CHLK & LT TAN TO TAN CRYPTO- V/V/FN-XLN, SUB SUCRO TO SUCRO & PCKSTN, TRS PHNTM OOLITES, DLL LT YEL TO YEL FLUOR IP'S, NO CUT, ABDT PR FR TO TR GD TR EXCEL MICRO PP POR TO INTER-XLN POR IP, TRS TAN OPQUE CHRT

4618'- 4630' LS- LT GRY TO TAN- CRYPTO TO TRS V/V/FN-XLN, TRS SUB SUCRO & PCKSTN TO SUB LITHO, DLL LT TO LT YEL FLUOR, NO CUT NO VIS POR

4630-4646' TRS TO HVY TRS WHT TO CRM CHLK, LT TAN TO TAN CRYPTO TO V/V/FN-XLN , SUB CHLK TO SUB SUCRO TO SUCRO, PHNTM OOLITIC TO OOLITES IP'S, DLL LT TO LT YEL FLUOR, NO CUT ,ABDT PR TO FR MICRO PP POR & PROB INTER-XLN POR IP'S

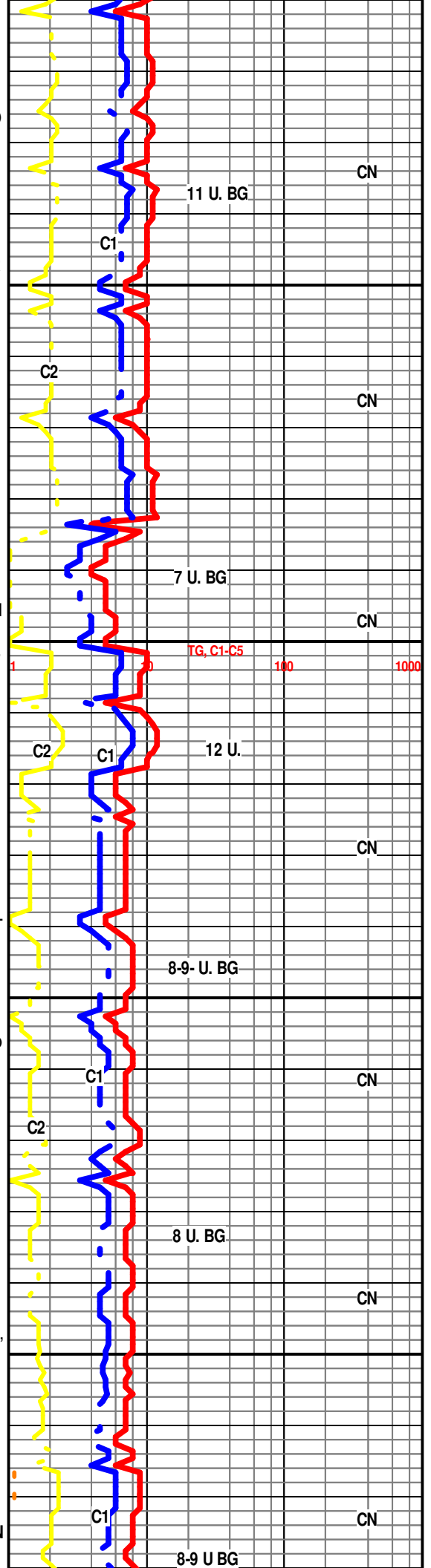
4646-4665' LS- TAN TO TRS LT GRY- CRYPTO-XLN, PCKSTN & SUB LITHO, V/ DLL LT YEL FLUOR, NO CUT , NO VIS POR

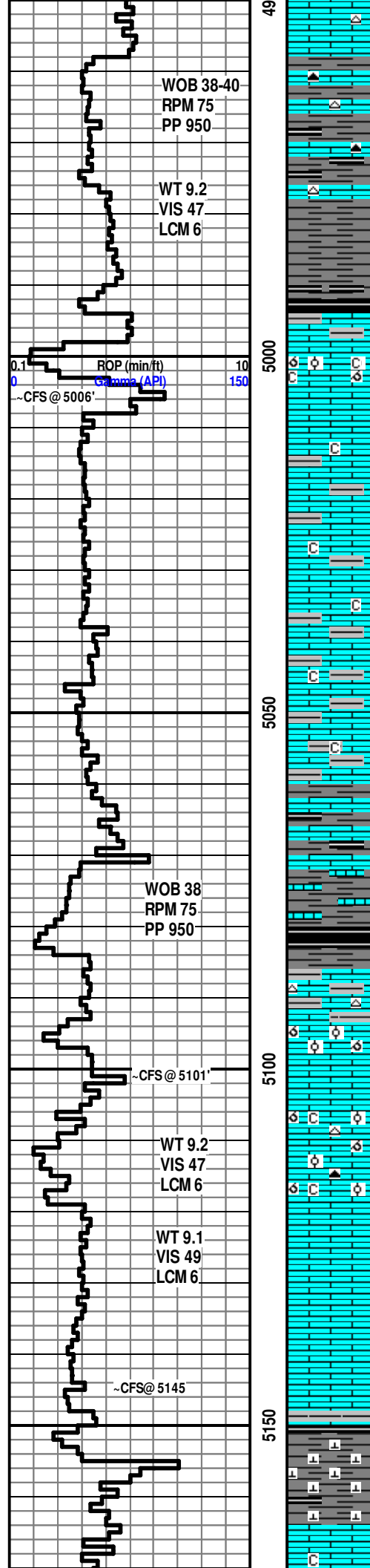
4665'-4674' LS- ABDT WHT TO CRM CHLK, LT TN TO TN CRYPTO-V/V/FN-XLN, TRS SUB CHLK TO SUB SUCRO TO SUCRO, SLI TRS PHNTM OOLICSTIC TO SLI TRS PHNTM OOLITES, DLL LT TO TRS YEL FLUOR,NO CUT ,ABDT PR, FR , GD TO TRS EXCEL MIRO PP & INTER-XLN POR

4674'-4682' LS- TRS WHT TO TO CRM CHLK, LT TN TO TAN CRYPTO-V/V/FN-XLN , SUB CHLKY TO SUB SUCRO SUCRO & PCKSTN, DLL YEL TO TRS YEL FLUOR, NO CUT, TRS, PR TO FR MICRO PP POR IP'S & INTER-XLN POR IP'S

4682'-4710' - LS- V/ EXTREMLY ABDT WHT TO CRM CHLK, TAN- SLI TO V/ OOLICASTIC IP'S, SLI TO V/ OOLITIC IP'S, TRS CHLK, SUB CHLKY, SUB SUCRO TO SUCRO & TRS PCKSTN, DLL LT YEL TO DLL YEL & TRS YEL FLUOR, NO CUT, ABDT PR TO FR , TRS GD & SLI TRS EXCEL OOLICASTIC , PP MICRO PP & INTER-XLN POR

4710'-4732' LS -LT TO MED GRY & GRYISH TAN, SLI TO FRLY SHLY, CRYPTO-V/V/FN-XLN, SUB SUCRO & PCKSTN, SUB LITHO, NO FLUOR, NO VIS POR, ABDT CHERT GY TO TAN OPQUE





YEL TO YEL FLUOR, NO CUT , NO VIS POR,
TRS CHRT GRY OPQUE

4958'-4976' LS - LT MED TO DK GRY- SLI TO
EXREMELY SHLY, CRYPTO-XLN, PCKSTN TO
SUB LITHO, NO FLUOR , NO CUT, NO VIS POR,
GRNG TO SH- MED TO DK GRY- CALC & V/ DK
GRY TO TRS BLK, HVY TRS CHRT GRY DK
GRY OPQUE

KANS. CITY "A" 4993' (-2707)

SH- V/ DK GY TO BLK SFT CARB

4994' 4998' LS- LT TO MED GRY- FRLY TO V/
SHLY,CRYPTO-XLN, SUB CHLKY & OR SHLY & PCKSTN, NO
FLUOR, NO CUT , NO VIS POR

4998'-5003 LS- HVY TRS WHT TO CRM CHLK & LT TN TO
TN CRYPTO-VV/FN-XLN,V/TO EXTREMELY OOLICASTIC &
OR SLI TO V/ OOLITIC MATRIX, TRS SUB CHLKY, SUB
SUCRO TO SUCRO, DLL LT YEL TO SLI TRSYEL FLUOR,
NO CUT , ABDT PR FR TO GD TRS EXCEL OOLICASTIC
POR, MICRO PP TO INTER-XLN POR

5003'-5038' LS TRS WHT TO CRM CHLK& LT TAN TO TAN
& GRYISH TAN TO LT TO MED GRY- SLI TR TO V/ SHLY,
CRYPTO TO VV/FN-XLN, CHLK, SUB CHLKY, TRS SUB
SUCRO, PCKSTN & SUB LITHO, DLL LT YEL FLUOR IPS,NO
CUT, NO VIS POR

5038'-5071 LS TRS WHT TO CRM CHLK& LT TAN TO TAN
& GRVISH TAN TO LT TO MED GRV- SLI TR TO V/ SHLY,
CRYPTO TO V/V/FN-XLN, CHLK, SUB CHLKY, TRS SUB
SUCRO, PCKSTN & SUB LITHO, V/ LRG INCREASE IN SHLY
LIMES, DLL LT YEL FLUOR IPS,NO CUT, NO VIS POR

5071-5080' SH- MED TO V/ DK GRY- SLI TOEXTREMELY
CALC, GRDING TO SHLY LIMES

KANS. CITY "B" 5084'(-2078')

5080'-5084' SH- V/DK GRY TO BLK SFT CARB

5084'-5093' LS- LT TO MED TO V/ DK GRY, V/ TO
EXTREMELY SHLY, CRYPTO-XLN, PCKSTN & SUB LITHO,
GRDNING TO V/ CALC SHALE, NO FLUOR, NO CUT, NO VIS
POR, TRS CHRT GRY & OPQUE

5093 - 5097' LS WHT TO CRM CHLK & LT TN TO TN
CRYPTO-V/FN-XLN, TRS SUB CHLKY, SUB SUCRO TRS
PHNTM OOLICASTIC & OR TRS PHNTM OOLITES, DLL YEL
FLUOR, NO CUT, PR TO FR TRS GD MICRO PP &
INTER-XLN POR

5097-5106' LS- LT TO MED GRY , TANISH IP'S, CRYPTO-
TRS V/V/FN-XLN , TRS SUB SUCRO & PCKSTN TO SUB
LITHO, NO FLUOR, NO CUT, NO VIS POR

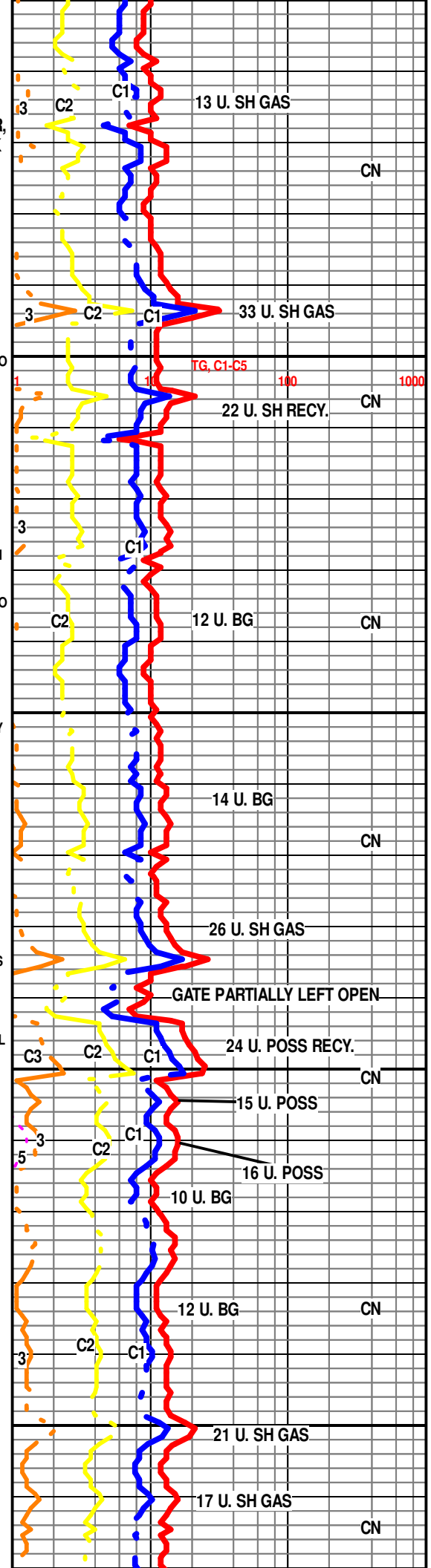
5106- 5119' LS- HVYTRS WHT TO CRM CHLK & CRM TO LT TN, CRYPTO-V/V/FN-XLN , SLI TO FRLY OOLICASTIC & OR SLI TO FRLY OOLICASTIC MIX, TRS SUB CHLKY, SUB SUCRO TO SUCRO & HVY TRS PCKSTN, STRNG OIL & OR SULPHUR ODOR, V/ FAINT RING CUT, ABTD PR TO FR OOLICASTIC POR & ABTD PR FR GD TRS EXCEL MICRO PP & POSS INTER-XLN POR IP'S, TRS CHERT DK TAN OPQUE

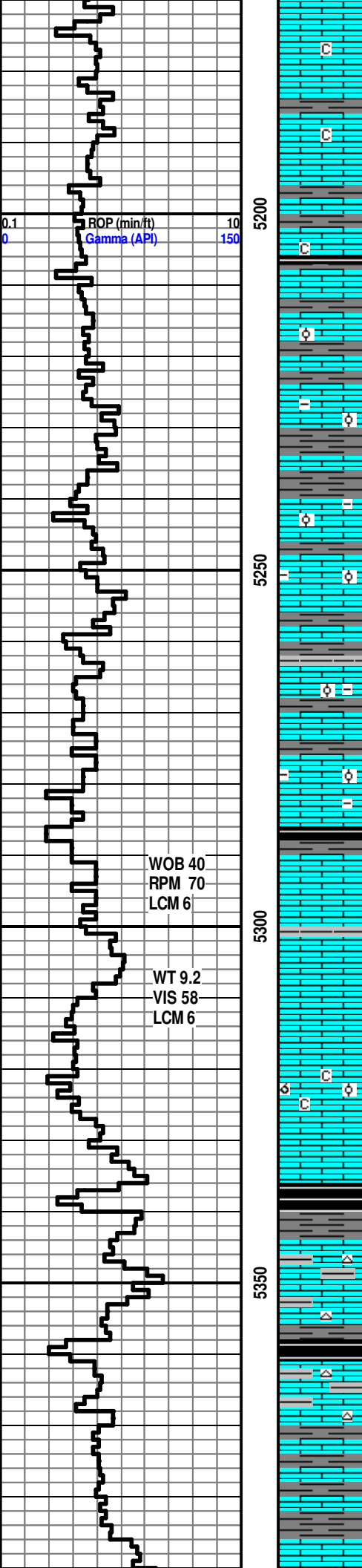
5119'-5248' LT TO MED GRY, TANISH IP'S, CRYPTO- TRS
V/V/FN-XLN, TRS SUB SUCRO & PCKSTN TO SUB LITHO,
NO FLUOR. NO CUT. NO VIS POR

PLEASANTON 5148'(-2862')

5148'-5164' SH- MED TO V/ DK GRY- SLI TO EXTREMELY
CALC GRDNG TO EXTREMELY SHLY LS TRS, V/ DK GRY TO
BLK SFT CARB

MARM. 5164' (-2878')





5164 '5207' LS- LT TO MED GRY CRYPTO TO TRS V/V/FN-XLN, TRS SUB CHLKY & PCKSTN & SUB LITHO, DLL YEL FLUOR, NO CUT NO VIS POR

SH- V/ DK GRY TO V/ CALC IP

SH- V/ DK GRY TO BLK SFT CARB

5209-5240' LS- V/ SLI TRS WHT TO CRM CHLK & LT TN TO TN DK TAN & HVY TRS LT TO MED GRY SLI TO EXTREMELY SHLY, TRS GRDNG TO EXTREMELY CALC SH, CRYPTO-V/V/FN-XLN, TRS SUB CHLKY, TRS SUB SUCRO & PCKSTN & SUB LITHO, HVY TRS PHNTM OOLITIC TO TRS OOLITIC IP'S, DLL YEL TO TRS YEL FLUOR, NO CUT, NO VIS POR

SH- V/ DK GRY TO V/ CALC TO LMY

5240-5286' LS- V/ SLI TRS WHT TO CRM CHLK & LT TN TO TN DK TAN & LT TO MED GRY SLI TO EXTREMELY SHLY, CRYPTO-V/V/FN-XLN, TRS SUB CHLKY, TRS SUB SUCRO & PCKSTN & SUB LITHO, HVY TRS PHNTM OOLITIC TO TRS OOLITIC IP'S, DLL YEL TO TRS YEL FLUOR, NO CUT, NO VIS POR

PAWNEE 5288' (-3002')

SH- V/ DK GRY TO BLK SFT CARB

5288'-5310' LS-TAN TO DK TAN GRISH IP'S, CRYPTO-V/V/FN-XLN, TRS SUB SUCRO, PCKSTN & SUB LITHO, DLL YEL FLUOR, NO CUT NO VIS POR

5310-5327' LS-TRS WHT TO CRM CHLK 7 LT TN TO TN CRYPTO-V/V/FN-XLN SUB SUCRO & PCKSTN, SLI TRS PHNTM OOLICASTIC, SLI TRS OOLITIC IP,DLL YEL TO TRS LEMON YEL FLUOR, TRS FAINT STRMING CUT, SLI TRS PR TO V/ SLI TRS FR OOLICASTIC TO PP & MICRO PP POR, NO ODOR

FT SCOTT 5340' (-3054')

SH- V/ DK GRY TO BLK SFT CARB

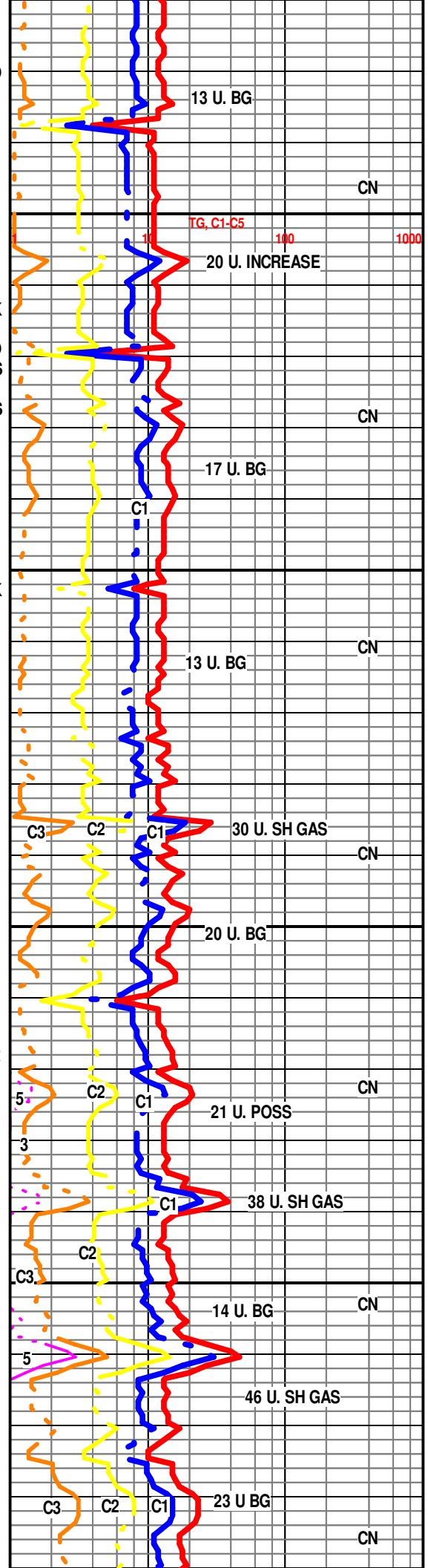
5340-5358' LS- LT TN TO TN GYISH IP'S TO LT TO MED GRY,SLI TO FAIRLYSHLY, CRYPTO TO V/V/FN-XLN, SUB SUCRO, PCKSTN & TRS SUB LITHO, DLL YEL TO SLI TR YEL FLUOR, NO CUT. NO VIS POR, TRS CHRT GRY TO TAN OPQUE

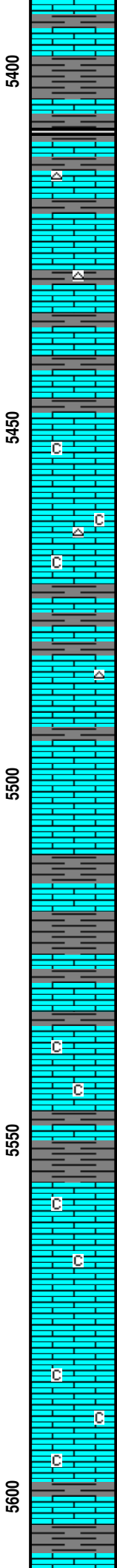
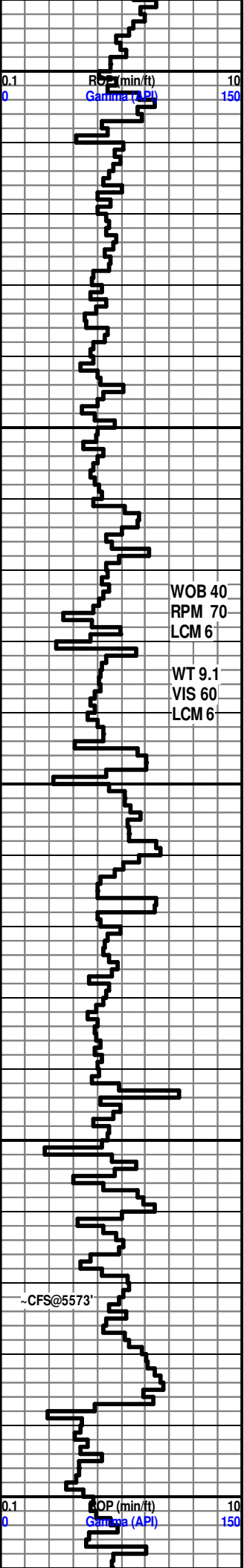
CHEROKEE 5362'(-3076)

SH- V/ DK GRY TO BLK SFT CARB

5362-5368LS- LT TN TO TN GYISH IP'S TO LT TO MED GRY,SLI TO FAIRLYSHLY, CRYPTO TO V/V/FN-XLN, SUB SUCRO, PCKSTN & TRS SUB LITHO, DLL YEL TO SLI TR YEL FLUOR, NO CUT. NO VIS POR, TRS CHRT GRY TO TAN OPQUE

5368-5386' LS- MED TO DK GRY, CRYPTO-V/V/FN-XLN, V/ TO EXTREMELY SHLY & OR EXTREMELYSLTY, SUB SUCRO & PCKSTN. NO FLUOR. NO VIS CUT . NO VIS SHOW





5386-5407 LS- GRAYISH TAN TO TAN, CRYPTO-V/V/FN-XLN TRS SUB CHLKY, SUB SUCRO, PCKSTN TO TRS SUB LITHO, W/ DLL TO V/ DLL LT YEL FLUOR, NO CUT, NO VIS POR

5407-5410- SH- V/ DK GY TO BLK SFT CARB

5410-5440' LS- LT MED TO DK GRY, SLI TO EXTREMELY SHLY GRDNG TO INTERBEDS CALC SHALE MED TO V/ DK GRY, CRYPTO-XLN TO PCKSTN, NO FLUOR, NO VIS POR, NO CUT

5440-5498' LS- GRAYISH TAN TO TAN, CRYPTO-V/V/FN-XLN, TRS SUB CHLKY, SUB SUCRO, PCKSTN TO TRS SUB LITHO, V/V/DLL TO V/ DLL LT YEL FLUOR, NO CUT, NO VIS POR, NO VIS POR

5498-5501 LS- TAN, V/V/FN-XLN, SUB SUCRO TO TRS DLL YEL TO TRS YEL FLUOR, W/ FAINT RING CUT, SLI TR POOR MICRO PP POR, POSS INTER-XLN POR IP'S

5501-5531' LS- LT MED TO DK GRY, SLI TO EXTREMELY SHLY GRDNG TO INTERBEDS CALC SHALE MED TO V/ DK GRY, CRYPTO-XLN TO PCKSTN, NO FLUOR, NO VIS POR, NO CUT

SH- MED TO V/ DK GY CALC TO V/ DK GRY TO BLK SFT CARB

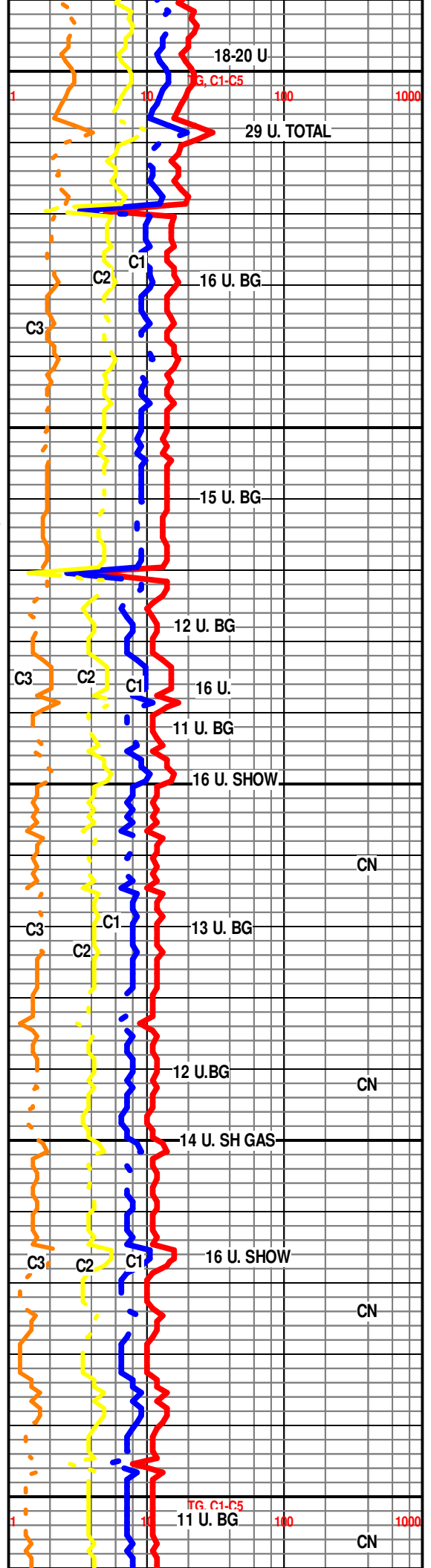
5531'-5551 LS- TAN GRAYISH IP, CRYPTO-XLN TO SLI TRS CHLK, PCKSTN & SUB LITHO, V/ DLL YEL FLUOR, NO CUT, NO VIS POR

5557-5566 LS- TAN GRAYISH IP'S CRYPTO-XLN SLI TRS CHLK, PCKSTN & SUB LITHO, V/ DLL YEL FLUOR, NO CUT, NO VIS POR

5566-5569' LS- TRS WHT TO CRM CHLK & LT TN TRS CRYPTO-V/V/FN-XLN, TRS SUB CHLK, SUB SUCRO TO SUCRO, YEL TO BRIT YEL FLUOR, W/ FR TO GD STRMING CUTS, HVY TR PR TO TRS FR MICRO PP POR, PROB INTER-XLN POR IP'S

5569'-5600' LS- TAN GRAYISH IP'S TO TRS LT GRY, CRYPTO-V/V/FN-XLN, TRS SUB CHLKY, SUB SUCRO, PCKSTN TO SUB LITHO, DLL YEL FLUOR, NO CUT, NO VIS POR

5600'-5633' LS- LT TO MED GRY, SLI TO EXTREMELY SHLY, GRDNG TO V/ CALC SHALES, CRYPTO-XLN, SUB CHLKY & OR SHALY & PCKSTN. NO FLUOR. NO CUT. NO



VIS POR

SH- MED TO V/ DK GY, SLI TO EXTREMELY IP'S,
GRDING TO EXTREMELY SHALY LS

SH-5633'-5700' SH- V/ DK GRY TO BLK SFT
CARB

SH- BLK SFT CARB TO V/ DK GRY CALC

LS- TAN GRYISH IP'S CRYPTO-V/V/FN-XLN, TRS SUB
CHALKY TO SUB SUCRO, PCKSTN & SUB LITHO, DLL YEL
FLUOR IP'S, NO CUT, NO VIS POR

SH- BLK SFT CARB TO V/ DK GRY CALC

LS-LT TO MED GY TO V/ DK GY-SLI TO EXTREMELY SHALY,
GRDING TO V/ CALC SHALES, CRYPTO-TO TRS
V/V/FN-XLN, SUB CHLKY & OR SHALY, TRS SUB SUCRO
PCKSTN TO SUB LITHO, NO FLUOR, NO VIS POR, NO VIS
POR

SH- BLK SFT CARB TO V/ DK GRY CALC

5700'-5706' LS-LT TO MED GRY, SHLY TO GRYISH TAN &
TAN, CRYPTO TO V/V/FN-XLN, TRS SUB SUCRO, PCKSTN &
TRS SUB LITHO, TRS DLL YEL FLUOR, NO CUT, NO VIS
POR

5706'-5721' SH MED GY, SFT W/ SLTYSHEEN TO BLKY
CALC & DK TO V/ DK GRY, SLI TO V/ CALC IP'S

5721'-5732' LS- LT TO MED DK GY, INTERBEDDED &
GRADATIONAL LS, FRLY TO V/ SHLY, CRYPTO-XLN SUB
CHLKY & OR SHLY, PCKSTON & SUB LITHO, NO FLUOR,
NO CUT, NO VIS POR,

5732'-5736' SH- MED TO DK GRY, TRS LT GRY TO LT GRN,
PYRITIC IP'S, TRS' ;M GRNS & FOSS FRGS TO LS W/ SH
MATRIX, TRS QURTZ SS LT GRY, V/V/FN-XLN, SILT FILLED,
HVY TRS GLAUC, HVY TRS BRN TO RED MIN GRNS,
ANG, PR TO FR SRT, NO FLUOR, NO CUT, NO VIS POR

5736'-5742' FRGMNTD LIMES, ABDT WHT TO CRM CHLK &
TAN GRYISH IP'S, COMPOSED FN MD TO CRS LM GRNS,
FOSS FRGS, TR OOLITES, MTRX CHLK, SUB CHLK, SUB
SUCRO & PCKSTN, DLL LT YEL TO LT YEL FLUOR IP'S, NO
CUT, NO VIS POR

5742'-5759' SS- LT GRY TO ABDT TANISH, QURTZ, V/V/FN
TO V/F-GRN, ANG TO HVY TR'S SUB ANG & SUB
ROUND, PR TO FR W/ ABDT GOOD SORT, HVY TR'S CLAY
AND SHALE FILLING, TRS TO HVY TRS SHALE
LAMINATIONS & PARTING, SCATT TRS GLAUC, & WIDELY
SCATT TRS BLK MINERAL GRNS, NO FLUOR, NO
CUT, ABDT PR FR GD TO HVY TRS EXCEL MICRO PP TO
INTERGRAN POR

5759'-5772' SS- SIMILAR TO 5742 TO 5759' W/ INTERBEDS
SHALE MED TO DK GRY & BRNS TO REDS

5772'-5780' SS- SIMILAR TO 5742-5759 W. TRS TO HVY
TRS LM GRNS & FOSS FRGS TRS LS SIMILAR TO 5736 TO
5752

5780'-5785' LS & QURTZ SS- 100% LM GRNS TO 100%
QURTZ GRNS, LT GRY TO TAN, QURTZ- V/V/FN TO V/ FN
GRN, ANG, PR SRT, LM GRNS, FOSS FRGS & OOL, MTRX,
SUB CHLKY, SUB SUCRO & PCKSTN, TRS TO V/ HVY TRS
GLAUC & OR CHLORITE, LMY PART HAS DLL YEL TO YEL
FLUOR, NO CUT, NO VIS POR IN EITHER

5785' 5800'- SH - LT TO MED GRY & TRS LT GRN TO TAN,
SOFT & MUSHY WHEN WET

5800' - 5804' FRGMNTD LIMES TAN TO GRY, MOTTLED IP,
FN TO MED TR'S LRG GRNS/ COMPOSED LM GRNS, FOSS
FRGS & TRS OOL, GRNS COMPOSED
CRYPTO-V/V/FN-XLN) ; MTRX SUB SUCRO & PCKSTN,
SCATTERED TRS DLL YEL FLUOR, NO CUT, NO VIS POR

16 U. BG

30 U. SH

CN

41 U. SH

37 U. SH

38 U. SH

CN

27 U. SH GAS

22 U. SH GAS

24 U. SH GAS

30 U. SH GAS

CN

23 U. BG

34 U. SH GAS

25 U. BG

23 U. BG

CN

34 U. POSS SHOW

39 U. POSS SHOW

23 U. BG

CN

22U.

18 U. BG

21 U. BG

CN

17 U. BG

19 U. BG

CN

WOB 40
RPM 70
PP 950

WT 9.2
VIS 50
LCM 8

~CFS5452'

WOB 40
RPM 70
PP 950

0.1
0

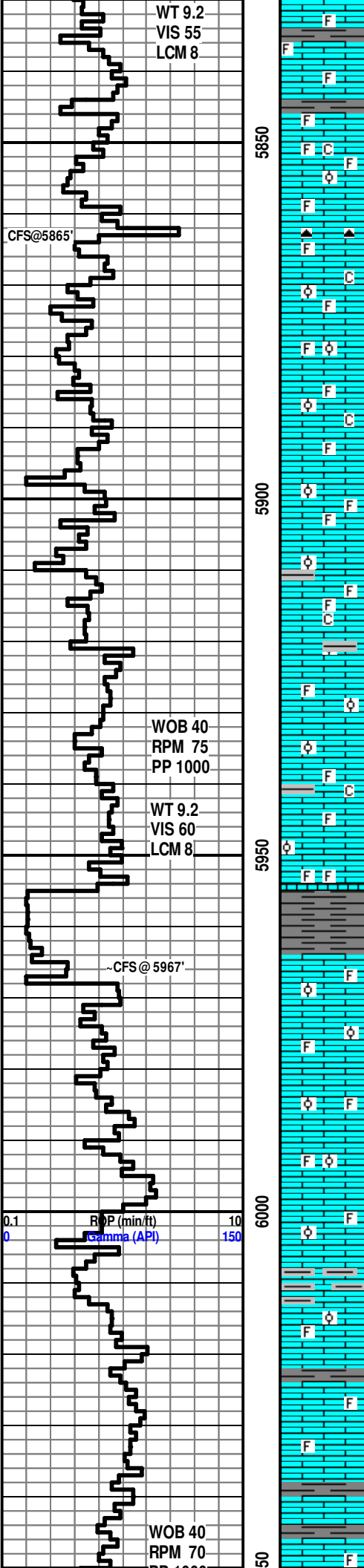
ROP (ft/min)
Gamma (API)

5650

5700

5750

5800



5808-5846' PRED A/AB LS- FRGMNTD LIMES TAN TO GRY, MOTTLED IP, FN TO MED TR'S LRG GRNS(COMPOSED LM GRNS, FOSS FRGS & TRS OOLITES), GRNS COMPOSED CRYPTO-V/V/FN-XLN), MTRX SUB SUCRO & PCKSTN, SCATTERED TRS DLL YEL FLUOR, NO CUT, NO VIS POR

(NOTE INCREASE IN C1 AND DECREASE IN C2 & C3 AT 5852') →

5846-5856' - FRAGMENTED LS, TRS TO HVY TRS WHT TO CRM CHLK, & TAN GRYISH IP'S FN TO MED TO CRS GRNS(COMPOSED LM GRNS, FOSS FRGS & OOLITES, TAN) (GRAINS COMPOSED CRYPTO-V/V/FN-XLN) MATRIX TRS CHLK, TRS SUB CHLK, SUB SUCRO TO SUCRO & PCKSTN, DLL YEL TO YEL & DLL GLDN YEL TO GLDN FLUOR, NO CUT, SCATTERED TRS POOR TO SLI TRS FAIR MICRO PP TO POSS INTER-XLN POR, TRS DK GY CHERT @ 5864'

5856- 5900 LS- FRGMNTED, SLI TRS WHT TO CRM CHLK & LT GRY TO TAN MOTT IP'S, FN TO MED TO CRS GRNS(COMPOSED LM GRNS, FOSS FRGS & OOLITES, TAN & GRY), MTRX CHLK SUB CHLK, SUB SUCRO, PCKSTN, DLL YEL & DLL YEL GLDN FLUOR IP'S, NO CUT, NO VIS POR

5900-5930' FRGMNTED LS, TRS TO HVY TRS WHT TO CRM CHLK, & TAN GRYISH IP'S, FN TO MED TO CRS GRNS(COMPOSED LM GRNS, FOSS FRGS & OOLITES, TAN IN COLOR) (GRAINS COMPOSED CRYPTO-V/V/FN-XLN) MATRIX TRS CHLK, TRS SUB CHLK, SUB SUCRO TO SUCRO & PCKSTN, DLL YEL TO YEL & DLL GLDN YEL TO GLDN FLUOR, NO CUT, SCATTERED TRS POOR TO SLI TRS FAIR MICRO PPTO POSS INTER-XLN POR

5930-5956' LS- FRGMNTED, SLI TRS WHT TO CRM CHLK & LT GRY TO TAN MOTT IP'S, FN TO MED TO CRS GRNS(COMPOSED LM GRNS, FOSS FRGS & OOLITES, TAN & GRY), MTRX CHLK SUB CHLK, SUB SUCRO, PCKSTN & TRS SH, DLL YEL & DLL YEL GLDN FLUOR IP'S, NO CUT, NO VIS POR

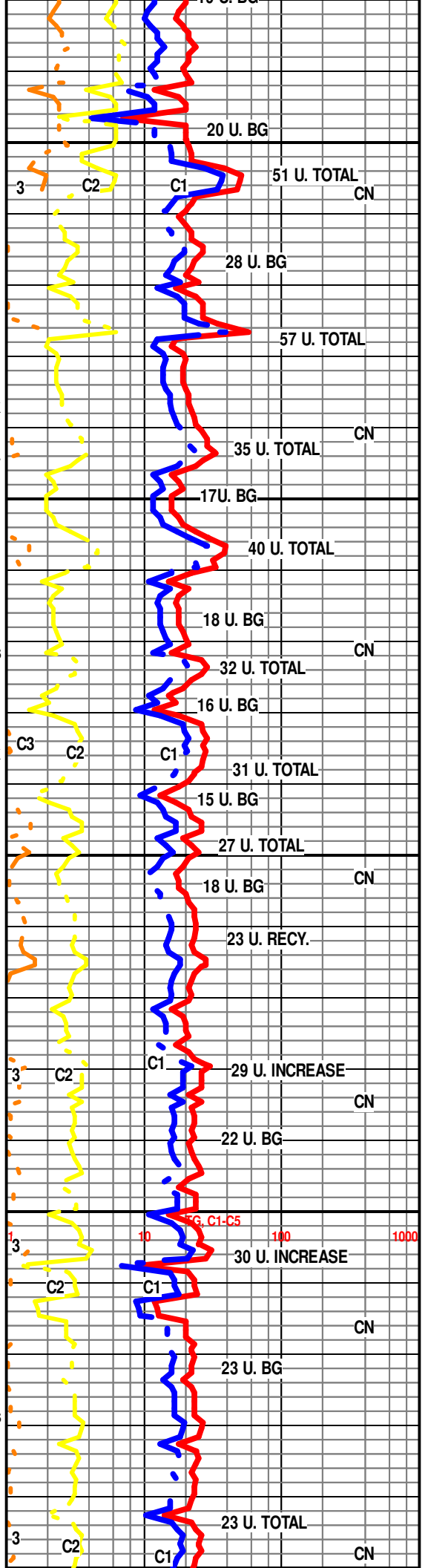
5956' - 5966' SH- MED GRY, SFT MUSHY

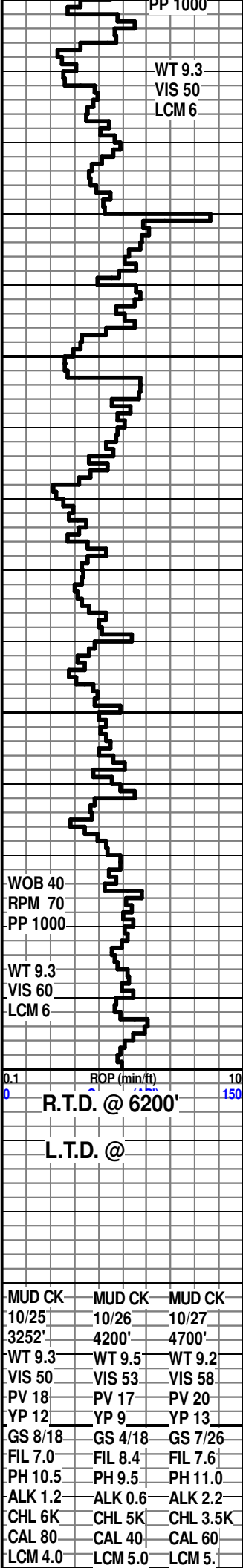
5966'-5980' LS FRGMNTD, TRS TO HVY TRS WHT TO CRM CHLK, & TAN GRYISH IP'S FN TO MED TO CRS GRNS(COMPOSED LM GRNS, FOSS FRGS & OOLITES, TAN) (GRAINS COMPOSED CRYPTO-V/V/FN-XLN) MATRIX TRS CHLK, TRS SUB CHLK, SUB SUCRO TO SUCRO & PCKSTN, DLL YEL TO YEL & DLL GLDN YEL TO GLDN FLUOR, NO CUT, SCATTERED TRS POOR TO SLI TRS FAIR MICRO PP TO POSS INTER-XLN POR

5980'-6019' LS- FRGMNTED, SLI TRS WHT TO CRM CHLK & LT GRY TO TAN MOTT IP'S, FN TO MED TO CRS GRNS(COMPOSED LM GRNS, FOSS FRGS & OOLITES, TAN & GRY), MTRX CHLK SUB CHLK, SUB SUCRO, PCKSTN, DLL YEL & DLL YEL GLDN FLUOR IP'S, NO CUT, NO VIS POR

6019'- 6043' LS- LT GRY LT GREENISH GRY TO TANISH GRY, CRYPTO-XLN EXTREMELY SHLY GRDING TO EXTREMELY CALC SHALES, NO FLUOR, NO CUT, NO VIS POR, (NOTE: LARGE AMOUNTS OF FRGMNTED LIMESTONES STRINGS IN SAMPLES)

6043'- 6106 LS- LT GRY TO TAN, CRYPTO-XLN, PCKSTN & SUB LITHO, TRS W/ FOSS FRGS, V/ DLL YEL FLUOR, NO CUT, NO VIS POR





SH- LT TO MED TO V/ DK GRY, W/ABDT GRYISH GREEN TO LT GREEN

LS- LT GRY TO TAN, CRYPTO-XLN, PCKSTN & SUB LITHO, TRS W/ FOSS FRGS, V/DLL YEL FLUOR, NO CUT NO VIS POR

SH- LT TO MED TO V/ DK GRY, W/ ABDT GRYISH GRN TO LT GRN

6106-6116' LS & SH LT GRY TO GY LT TN, CRYPTO-XLN, PCKSTN & SUB LITHO, TRS W/ FOSS FRGS, V/ DLL YEL FLUOR, NO CUT NO VIS POR, SLI TO V/ QURTZ SNDY IP'S, V/VFN TO V/FN GRN QURTZ, ANG TO SUB ANG

6116- 6139' SS- QURTZ GRNS WHT TO CRM GRYISH IP, V/VFN- TO FN GRN, ANG TOS-ANG, POORLY SORTED, CLAY FILLED, SLI TO FRLY CALC & DOLOMITIC, DLL LT YEL FLUOR, NO CUT, HVY TRS TO TRS FR MICRO PP POR IP'S & POSS INTER-GRN POR IPS, BECOMING SANDY SILTST IP'S & BECOMING MORE CALC & DOLMITIC W/ DEPTH

SH- YEL, GREEN, GY PINK, VERIGATED SHALES & LMST CONGLOMERATE

VERIGATED SHALES & LS CONGL, W/ ABDT LS LT GRN, LT GRY & TAN GRYISH IPS, CRYPTO-VV/FN-XLN, V/ TO EXTREMELY MICRO OOL & SH TO FRLY QURTZ SANDY, V/VFN -GRN, ANG, MATRIX SUB CHLK, SUB SUCRO TO SUCRO, DLL LT YEL FLUOR, NO CUT, NO VIS POR

ST.GEN . 6175' (-3889)

6175-6200' LS- CRM TO LT TAN, GRYISH IP, CRYPTO-VV/FN-XLN, V/ TO EXTREMELY MICRO OOL & SLI TO FRLY SANDY, V/VFN GRN . ANG, MATRIX SLI TRS SUB CHLKY, SUB SUCRO TO SUCRO, DLL LT TO TR LT YEL FLUOR, NO CUT, NO VIS POR

R.T.D. @ 6200' AT

CIRC F/ SAMPLES

SHORT TRIP 12 STANDS

CIRC TO CLEAN HOLE 2 HRS

TRIP OUT F/ LOGS / WEATHERFORD / LIBERAL

MUD CK

10/28

5101'

WT 9.1

VIS 63

PV 24

YP 15

GS 7/15

FIL 6.8

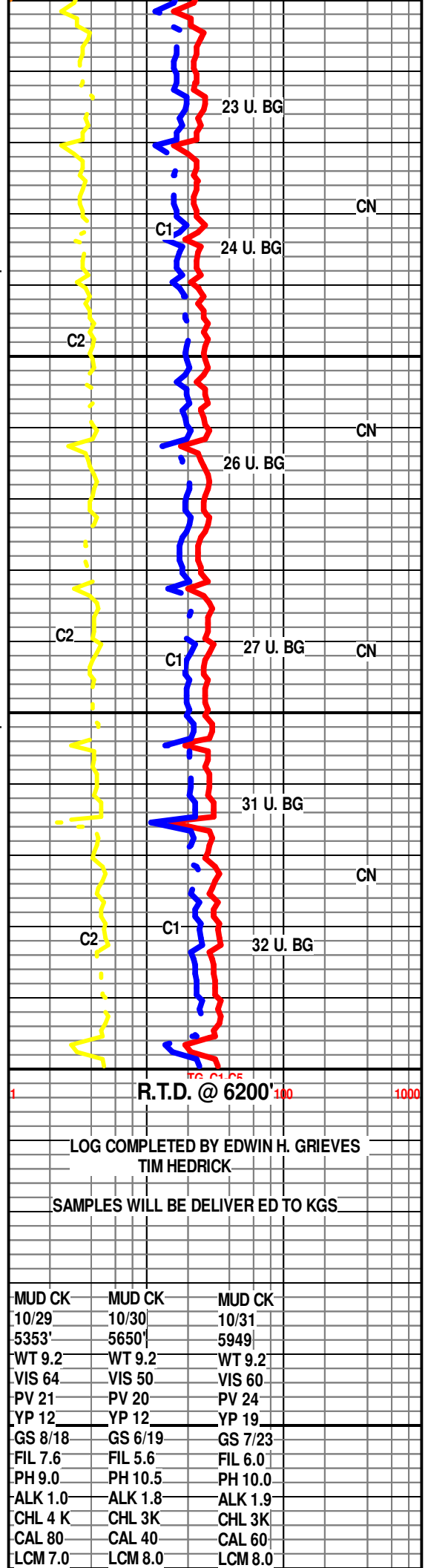
PH 10.5

ALK 1.7

CHL 3,5K

CAL 60

LCM 5.0



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