

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Dawson Trust #1-1
Location: Section 1 - T14S - R38W
License Number: API: 15-199-20441
Spud Date: 06 / 30 / 2017
Surface Coordinates: 425' FNL and 1068' FWL
SE - NE - NW - NW

Region: Wallace Co., KS
Drilling Completed: 07 / 07 / 2017

Bottom Hole
Coordinates:
Ground Elevation (ft): 3261' K.B. Elevation (ft): 3274'
Logged Interval (ft): 3400' To: 4785' Total Depth (ft): 4785'
Formation: Mississippian - St Louis
Type of Drilling Fluid: Chemical - Mud-Co

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

OPERATOR

Company: Stelbar Oil Corporation
Address: 1625 N. Waterfront Pkwy., Suite 200
Wichita, Kansas 67206-6602

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 155 N. Market, Suite 710
Wichita, Kansas 67202

General Info

CONTRACTOR: Sterling Drilling, Rig #5

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ-HAOTC	4-16s	314	314	3.50
2	7-7/8	JZ-HAIPG	3-15s	398	84	0.75
3	7-7/8	JZ-PLT516	5-15s	3796	3398	42.75
4	7-7/8	JZ-HA20	3-18s	4785	989	63.00

SURVEYS: 314'-1.00; 3796'-0.25; 4785'-1.00

GENERAL DRILLING & PUMP INFORMATION:

Collars: 18 joints of collars (6.25"x2.25"): 532.85'
Drilling w/ PDC: 14,000-16,000 lbs on bit and 100-105 RPM.
Pumping w/ PDC: 70 S/M; 10.8 B/M; 900-950 psi at standpipe.
Drilling w/ Conv: 38,000-40,000 lbs on bit and 70-75 RPM.
Pumping w/ Conv: 60 S/M; 9.2 B/M; 800-950 psi at standpipe.

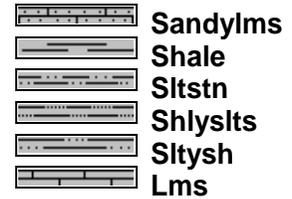
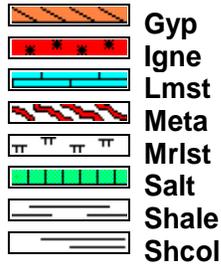
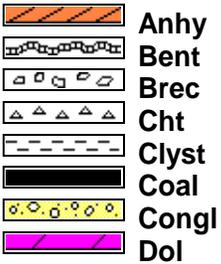
Daily Status

06/30/17 - Spud at 9:30 PM; Drilling delayed by cements
 07/01/17 - 314' Drilling; Set 8-5/8" csg @ 309'; Bit trip @ 398'
 07/02/17 - 870' Drilling
 07/03/17 - 2,830' Drilling
 07/04/17 - 3,770' Drilling; Bit trip @ 3,796'
 07/05/17 - 4,078' Drilling
 07/06/17 - 4,404' Drilling
 07/07/17 - 4,685' Drilling; Log in PM

DSTs

None

ROCK TYPES

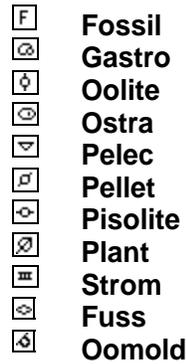
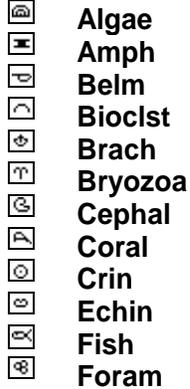


ACCESSORIES

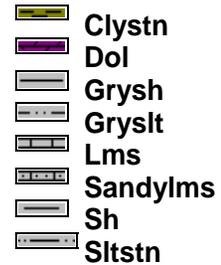
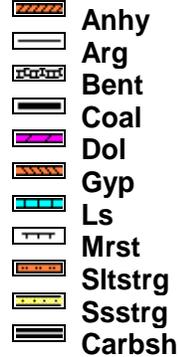
MINERAL



FOSSIL



STRINGER



TEXTURE



OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- F Fenest
- X Fracture
- I Inter
- M Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- F Subrnd
- a Subang
- A Angular

OIL SHOWS

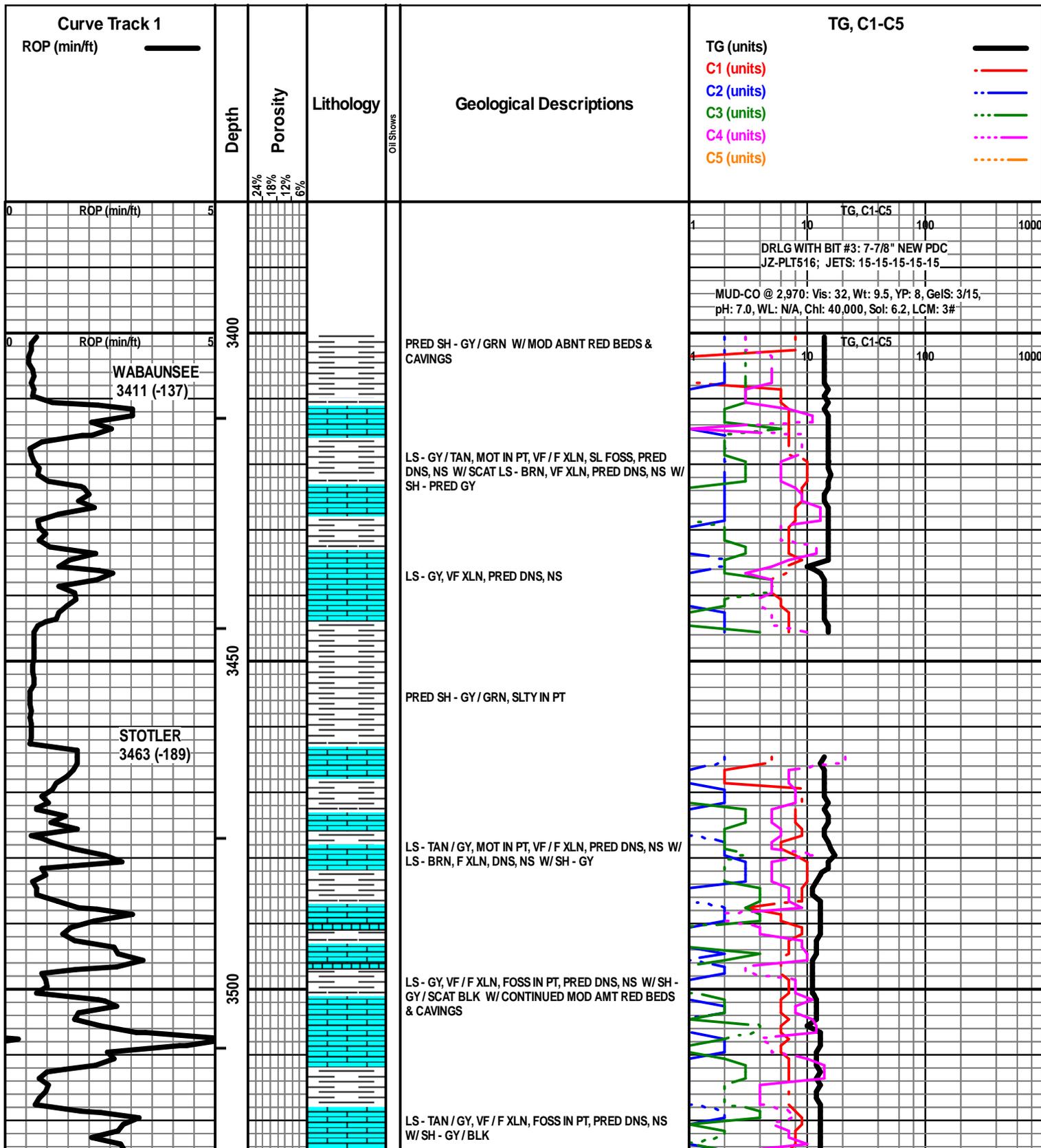
- Even
- ◉ Spotted
- ◻ Ques
- ◻ Dead
- ⊠ Gas show

INTERVALS

- Core
- Dst

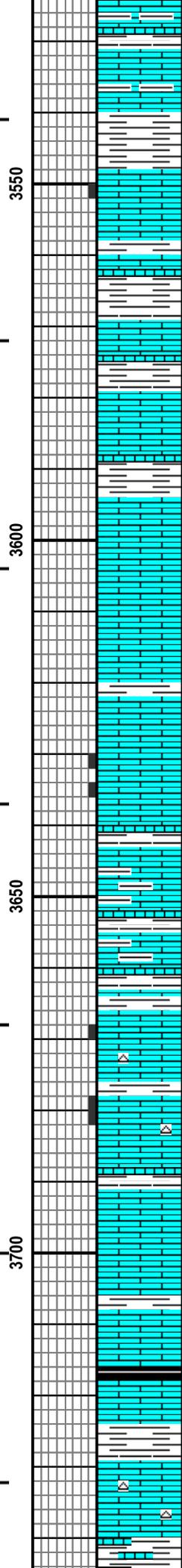
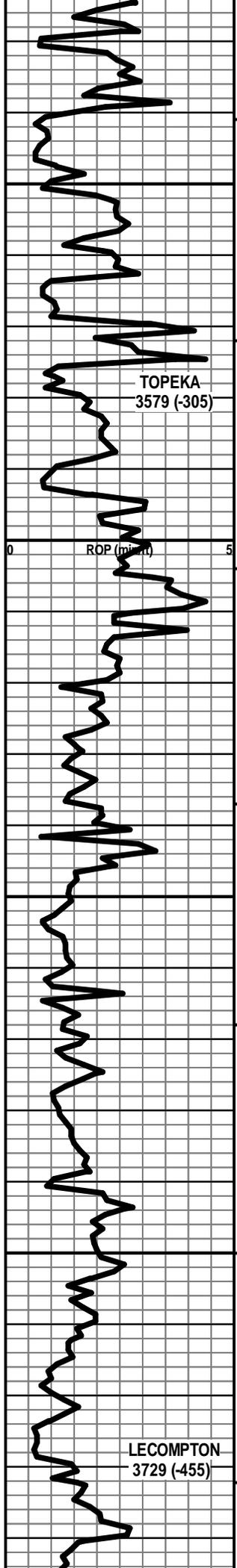
- Dst_1_t
- Dst_1_b
- Dst

- #### EVENTS
- ▽ Rft
 - ▾ Sidewall
 - ▬ Conn



WABAUNSEE
3411 (-137)

STOTLER
3463 (-189)



LS - TAN / BRN, VF / F XLN, PRED DNS, NS W/ SH - PRED GY W/ LS - CRM / TAN / WHT, MOT IN PT, F / VF XLN, FOSS IN PT, TR INTXLN POR, NS

LS - CRM / WHT / TAN, MOT IN PT, F / VF XLN, FOSS IN PT, PRED DNS, NS W/ LS - GY, F XLN, PRED DNS, NS W/ SH - GY

LS - GY, AS ABOVE, PRED DNS, NS W/ LS - TAN / CRM / SCAT WHT, MOT IN PT, FOSS, SCAT SUBCHKY, PRED DNS, NS

LS - CRM / TAN / WHT, VF / F XLN, OOL + FOSS IN PT, PRED CHKY, NS W/ SHLYCHK - GY / CRM / TAN, MOT, NO VIS POR, NS

LS - CRM / WHT / SCAT TAN, MOT IN PT, F / VF XLN, FOSS + OOL IN PT, TR P INTXLN POR, CHKY IN PT, VSS DEAD OIL, NSFO, NO ODOR

LS - V SIM TO ABOVE, NSFO, NO ODOR W/ SCAT LS - GY / TAN, MOT, F XLN, DNS, NS

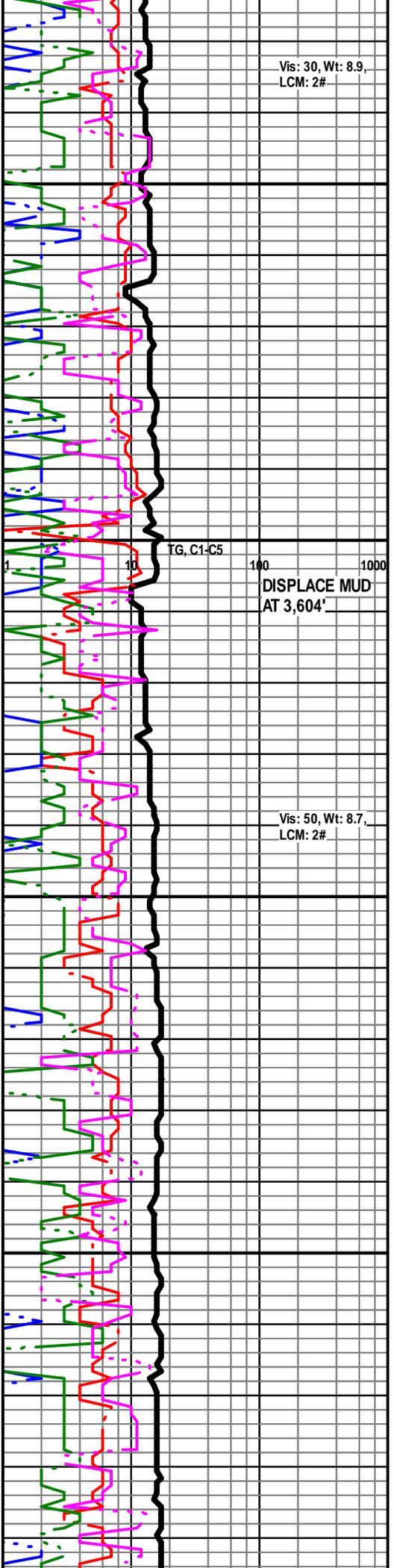
LS - GY / TAN / CRM, MOT, VF / F XLN, PRED DNS, NS W/ LS - CRM / WHT, F / VF XLN, FOSS, TR PPT POR, NS W/ SH - GY

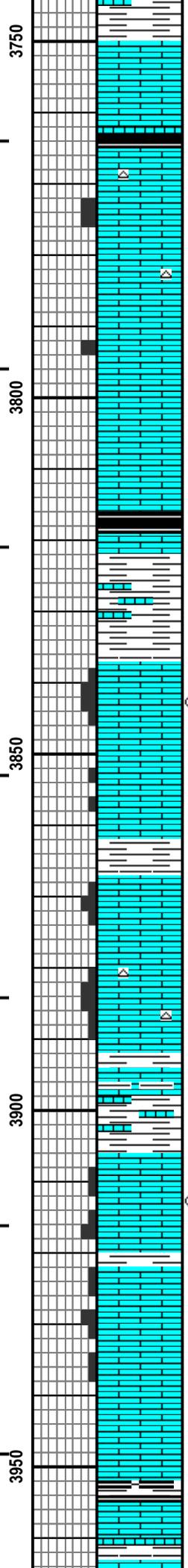
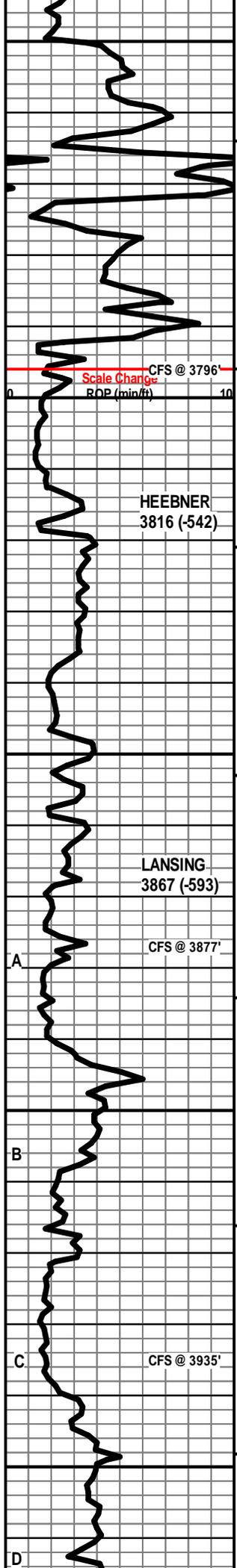
LS - CRM / TAN / WHT, F / VF XLN, SL FOSS, SCAT PPT + VUG POR, CHKY IN PT, NS W/ SCAT CHT - WHT

LS - TAN / GY, MOT IN PT, F XLN, PRED DNS, NS

LS - AS ABOVE, NS W/ LS - TAN / BRN, F XLN, SCAT M REXLN CALC, FOSS IN PT, PRED DNS, NS W/ SS - GY / CRM, VF GR, SLTY IN PT, NS

LS - TAN / CRM / WHT, VF / F XLN, SL FOSS + OOL, CHKY IN PT, PRED DNS, NS W/ SCAY CHT - WHT W/ SH - GY / BRN





SH - CRM / BRN

LS - CRM / WHT / SCAT TAN, VF / F XLN, SL FOSS, CHKY IN PT, TR P PPT + VUG POR, NS

LS - TAN / CRM / WHT, F XLN, OOL, FOSS IN PT, SCAT P / F MOLDIC + VUG POR, SCAT CHKY, NS W/ SCAT CHT - WHT

LS - ASABOVE, P / F MOLDIC + VUG POR, SCAT CHKY, NS

LS - TAN / CRM / WHT, F / VF XLN, FOSS IN PT, SCAT OOL, PRED INTPART + PPT POR, CHKY IN PT, NS

SH - BLK, CARB W/LS - TAN / BRN, F XLN, SL FOSS, DNS, NS W/SH - GY W/CALC SS + ARGIL/ AREN LS - GY / TAN, MOT, OOL IN PT, DNS, NS

LS - CRM, F XLN, SCAT REXLN CALC, OOL IN PT, P / F VUG + INTPART POR, P / F SHOW DEAD OIL, PSFO + GB, V FT ODOR, SPTY BRN / BLK STN, G FLUOR + CUT

LS - CRM / WHT, F / VF XLN, OOL + FOSS IN PT, SCAT P INTPART + PPT POR, CHKY IN PT / DNS, NS

LS - CRM / TAN, F XLN, OOL, SCAT P / F INTOOL + VUG POR, TR P OOM POR, NSFO, TR DEAD STN

CRM / TAN / SCAT WHT, F XLN, FOSS + OOL IN PT, P / F VUG POR, NS W/ CHT - WHT

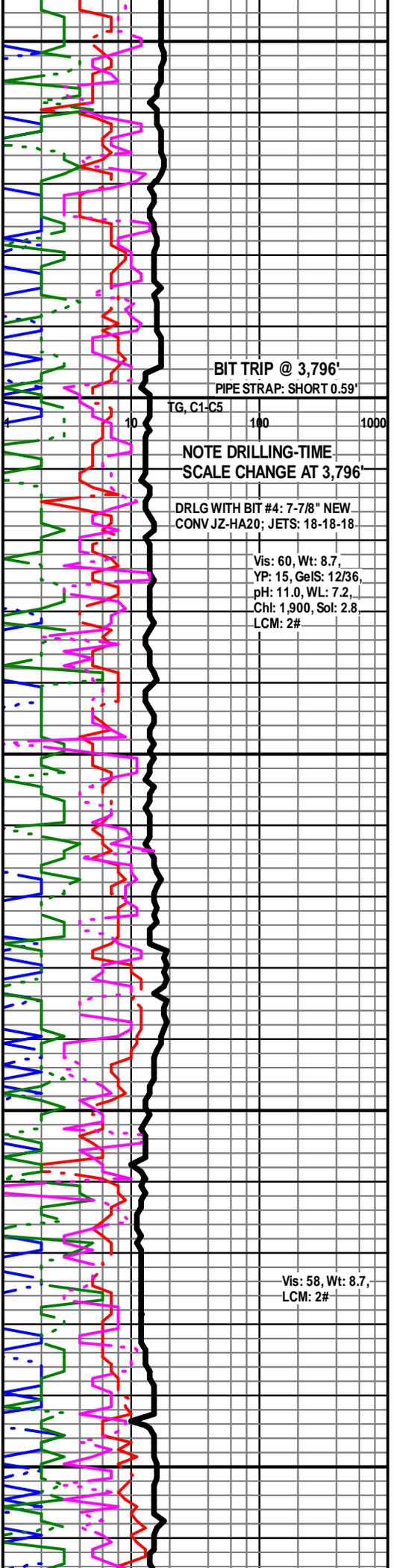
LS - DK GY / BRN / TAN, MOT IN PT, F XLN, PRED AREN + ARGIL, DNS, NS W/ SH - GY

LS - CRM / WHT / TAN, F / SCAT VF XLN, SL OOL ON PT, SCAT P / F PPT + VUG POR, P / F SHOW DEAD OIL, TR ASPH, PSFO + GB, V FT ODOR, SPTY BLK / BRN STN, CHKY IN PT W/ SCAT CHT - WHT / TAN / CRM

LS - TAN / CRM, F XLN, SCAT REXLN CALC, SL FOSS, SCAT OOL, P / SCAT F PPT + VUG POR, TR INTXLN POR, NS W/ SCAT CHT - WHT

LS - ASABOVE, NS W/LS - TAN / GY, VF / CRYPTO XLN, DNS, NS W/ SCAT SH - GY / BLK, CARB IN PT

LS - TAN / CRM, VF / F XLN, SL OOL IN PT, TR P INTXLN + VUG POR, PRED DNS, NS



HEEBNER
3816 (-542)

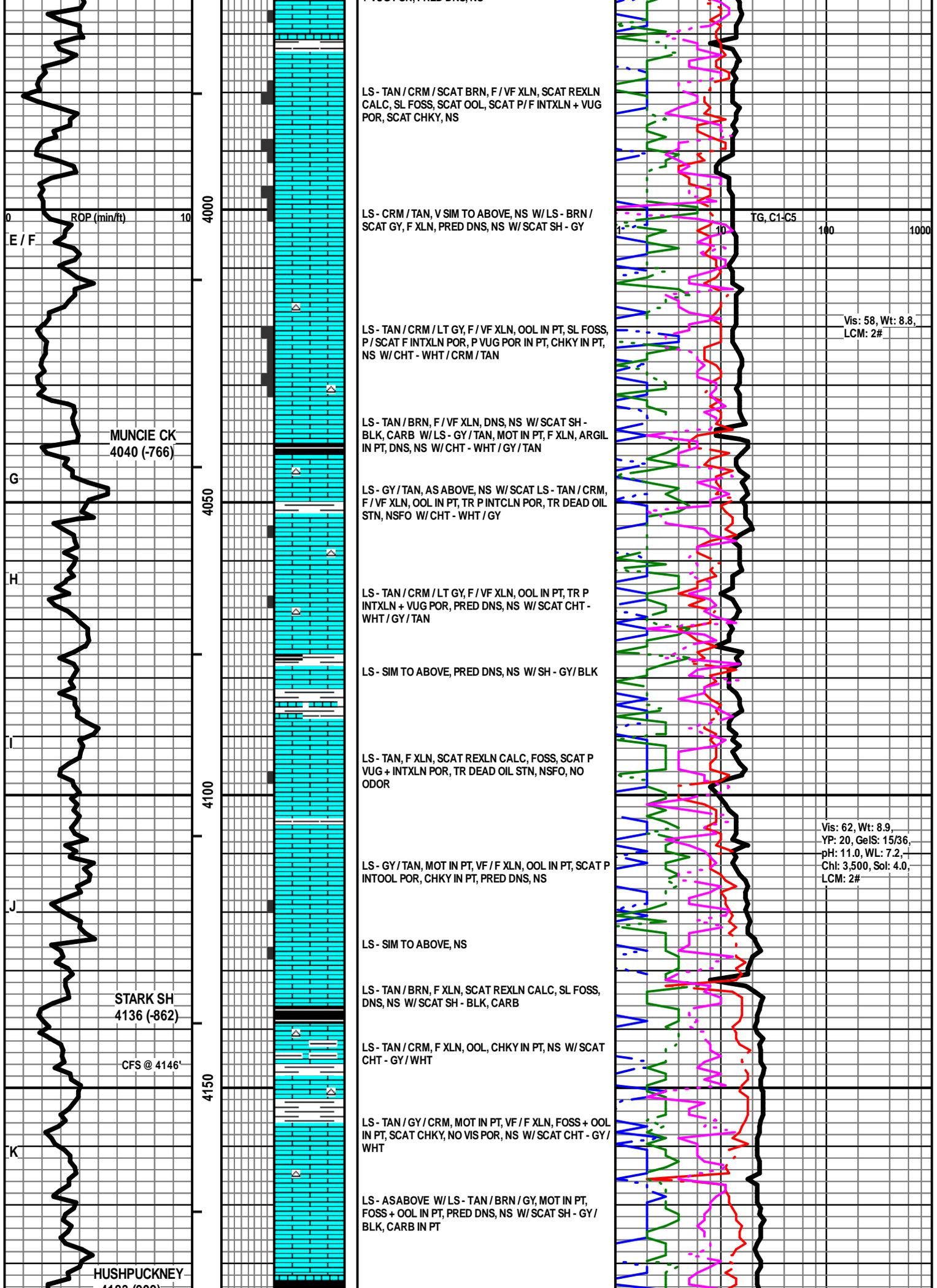
LANSING
3867 (-593)

A

B

C

D



LS - TAN / CRM / SCAT BRN, F / VF XLN, SCAT REXLN CALC, SL FOSS, SCAT OOL, SCAT P / F INTXLN + VUG POR, SCAT CHKY, NS

LS - CRM / TAN, V SIM TO ABOVE, NS W/LS - BRN / SCAT GY, F XLN, PRED DNS, NS W/SCAT SH - GY

LS - TAN / CRM / LT GY, F / VF XLN, OOL IN PT, SL FOSS, P / SCAT F INTXLN POR, P VUG POR IN PT, CHKY IN PT, NS W/CHT - WHT / CRM / TAN

LS - TAN / BRN, F / VF XLN, DNS, NS W/SCAT SH - BLK, CARB W/LS - GY / TAN, MOT IN PT, F XLN, ARGIL IN PT, DNS, NS W/CHT - WHT / GY / TAN

LS - GY / TAN, AS ABOVE, NS W/SCAT LS - TAN / CRM, F / VF XLN, OOL IN PT, TR P INTCLN POR, TR DEAD OIL STN, NSFO W/CHT - WHT / GY

LS - TAN / CRM / LT GY, F / VF XLN, OOL IN PT, TR P INTXLN + VUG POR, PRED DNS, NS W/SCAT CHT - WHT / GY / TAN

LS - SIM TO ABOVE, PRED DNS, NS W/SH - GY / BLK

LS - TAN, F XLN, SCAT REXLN CALC, FOSS, SCAT P VUG + INTXLN POR, TR DEAD OIL STN, NSFO, NO ODOR

LS - GY / TAN, MOT IN PT, VF / F XLN, OOL IN PT, SCAT P INTOOL POR, CHKY IN PT, PRED DNS, NS

LS - SIM TO ABOVE, NS

LS - TAN / BRN, F XLN, SCAT REXLN CALC, SL FOSS, DNS, NS W/SCAT SH - BLK, CARB

LS - TAN / CRM, F XLN, OOL, CHKY IN PT, NS W/SCAT CHT - GY / WHT

LS - TAN / GY / CRM, MOT IN PT, VF / F XLN, FOSS + OOL IN PT, SCAT CHKY, NO VIS POR, NS W/SCAT CHT - GY / WHT

LS - AS ABOVE W/LS - TAN / BRN / GY, MOT IN PT, FOSS + OOL IN PT, PRED DNS, NS W/SCAT SH - GY / BLK, CARB IN PT

TG, C1-C5 100 1000

Vis: 58, Wt: 8.8, LCM: 2#

Vis: 62, Wt: 8.9, YP: 20, GelS: 15/36, pH: 11.0, WL: 7.2, Chl: 3,500, Sol: 4.0, LCM: 2#

MUNCIE CK
4040 (-766)

STARK SH
4136 (-862)

CFS @ 4146'

HUSHPUCKNEY
4133 (-822)

ROP (min/ft) 10

E / F

G

H

I

J

K

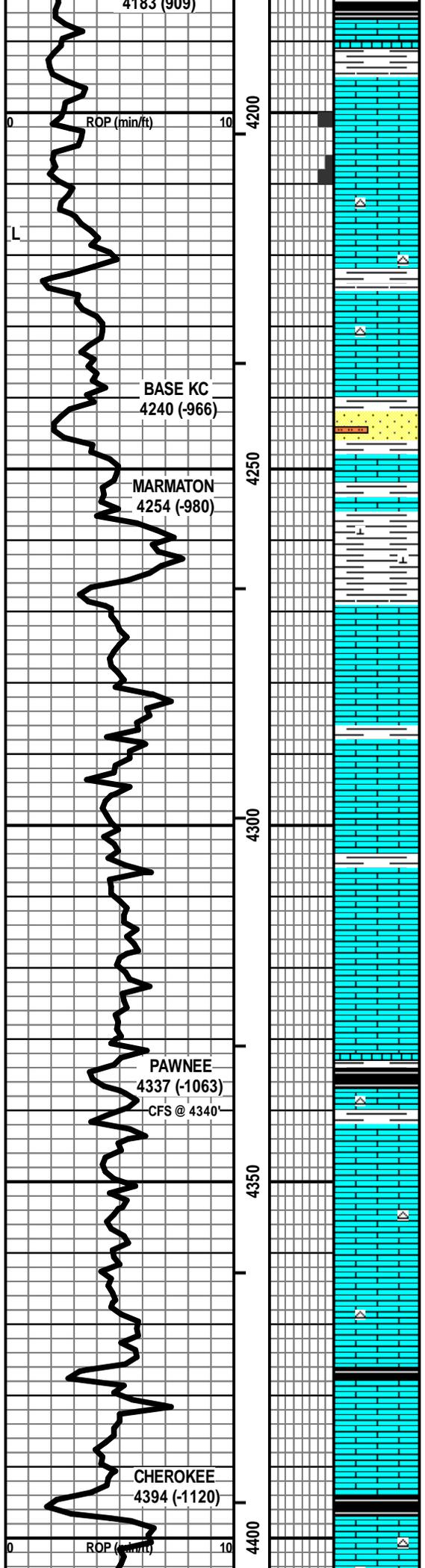
4000

4050

4100

4150

4183 (909)



SH - BLK, CARB W/LS - TAN / CRM / SCAT BRN, F XLN, SCAT REXLN CALC, SL FOSS, SCAT CHKY, NS

LS - TAN / CRM, F XLN, SCAT REXLN CALC, SL FOSS, P / F INTXLN + VUG POR IN PT, SCAT CHKY, NS

LS - TAN / GY / BRN, MOT, F XLN, FOSS IN PT, PRED DNS, NS W/CHT - WHT / GY

LS - TAN / GY, F XLN, SL FOSS, SCAT CHKY, PRED DNS, NS W/SCAT CHT - WHT / GY

MOD AMT SH - GY / GRN, SLTY IN PT W/MOD ABNT SS - GY / CRM, VF GR, SLTY IN PT W/SCAT LS - BRN / TAN, F XLN, SL OOL, DNS, NS W/ABNT LS - V SIM TO ABOVE, NS

MOD ABNT SH - GY / RED / BRN / GRN, CALC IN PT W/SCAT CHT - GY / TAN / WHT W/ABNT LS + SS CAVINGS

LS - CRM / TAN / GY, VF / F XLN, SL FOSS + OOL, SUBCHKY IN PT, PRED DNS, NS

LS - GY / TAN, VF / F XLN, SCAT REXLN CALC, PRED DNS, NS

LS - MED / DK GY / TAN, VF / F XLN, PRED DNS, NS W/SCAT SH - GY / BLK

LS - TAN / GY, VF / F XLN, SL FOSS, PRED DNS, NS

LS - TAN / GY, VF / F XLN, OOL IN PT, PRED DNS, NS W/SCAT SH - GY / BLK

LS - TAN / GY, VF / F XLN, OOL IN PT, PRED DNS, NS

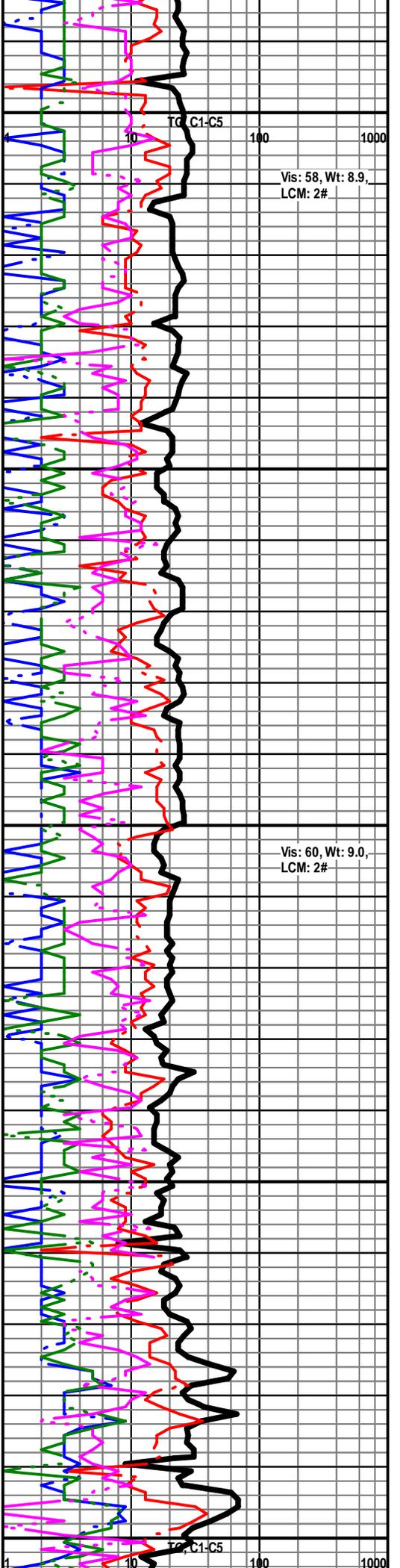
SH - GY / BLK, CARB IN PT W/LS - CRM / TAN / SCAT BRN, VF / F XLN, FOSS IN PT, PRED DNS, NS W/SCAT CHT - GY / TAN

LS - TAN / GY, SCAT CRM / BRN, MOT IN PT, VF / F XLN, FOSS IN PT, SCAT CHKY, PRED DNS, NS W/SCAT CHT - GY / TAN / BRN

LS - V SIM TO ABOVE, NS W/SCAT CHT - AS ABOVE

LS - TAN / CRM / BRN, MOT IN PT, F / VF XLN, FOSS + OOL ON PT, PRED DNS, NS

LS - CRM / TAN / SCAT BRN, VF / F XLN, OOL IN PT, SL FOSS CHKY IN PT, PRED DNS, NS W/CHT - GY



FOSS, CHRYNT PT, PRED DNS, NS W/CHT - GY

Vis: 59, Wt: 9.1,
YP: 21, GeIS: 14/36,
pH: 11.0, WL: 8.0,
Chl: 4,000, Sol: 5.3,
LCM: 2#

LS - V SIM TO ABOVE, NS W/LS - GY/BRN, MOT, F
XLN, SL FOSS, PRED DNS, NS W/ SCAT CHT - GY

LS - BRN / TAN / SCAT CRM, MOT IN PT, F / VF XLN,
SCAT OOL + FOSS, CHKY IN PT / DNS, NS W/ SCAT SS -
GY / BRN, VF / F GR, CALC / ARGIL, LS + SH FRAG, NS
W/ SH - GY / BLK

LS - TAN / BRN / CRM / GY, VF / F XLN, SL FOSS,
SUBCHKY IN PT, PRED DNS, NS W/ SCAT CHT - GY W/
SH - SH - GY / BLK, CARB IN PT

LS - ASABOVE W/LS - TAN / CRM / BRN, F XLN, OOL
IN PT, SL FOSS, PRED DNS, NS W/ SH - GY / BLK

LS - CRM / TAN / SCAT BRN, F / VF XLN, OOL IN PT,
SCAT FOSS, TR P INTXLN POR, PRED DNS, TR DEAD
OIL STN, NSFO, NO ODOR W/CHT - TAN / GY

LS - CRM / TAN / BRN, F / VF XLN, OOL IN PT, SCAT
FOSS, TR P INTXLN POR, PRED DNS, SCAT DEAD OIL
STN, NSFO, NO ODOR W/CHT - TAN / GY

LS - TAN / CRM / BRN, VF / F XLN, SCAT OOL, PRED
DNS, NS W/CHT - GY / TAN, OOL W/ ABNT SH - GY /
SCAT BLK / SCAT GRN

LS - TAN / CRM / GY, MOT IN PT, VF / F XLN, SCAT FOSS
+ OOL, PRED DNS, NS W/ ABNT RED BEDS & CAVINGS

LS - TAN / CRM, VF / F XLN, SCAT FOSS + OOL, PRED
DNS, NO VIS POR, NS W/ ABNT RED BEDS & CAVINGS

LS - TAN / CRM / BRN, VF / F XLN, SCAT FOSS + OOL,
PRED DNS, NS W/ SCAT / MOD CAVINGS, QUALITY IS
MUCH IMPROVED

SH - GY / SCAT BLK, CARB IN PT W/ SCAT SS - LT GY /
TAN, VF / MED / C GR, F / P SRTD, MOD / V CALC, SOME
LS FRAG, P POR, NS

SS - LT GY, VF / F GR, MOD / W SRTD, SA / SR, SL / MOD
CALC CEM, SCAT GLAUC, P / F POR, FRI IN PT, NS W/
SCAT COAL W/ SCAT SH - GY / BLK

SS - LT GY, VF / F GR, MOD / W SRTD, SA / SR, SL / MOD
CALC CEM, SCAT GLAUC, P / G INTGR POR, FRI IN PT,
NS W/ SH - GY

COAL W/SS - ASABOVE W/ SH - GY

Vis: 58, Wt: 9.1,
LCM: 2#

VIS DECREASED TO 52;
ABNT CAVINGS & RED
BEDS IN SAMPLES;
BEGIN ADDING PREMIXAT
4,554'

FINISH ADDING PREMIXAT
4,572'; SAMPLE QUAL
STILL POOR; CTCH 30" AT
4,575' TO IMPROVE SAMPLE
QUALITY

Vis: 60, Wt: 9.0,
LCM: 2#

JOHNSON ZN
4470 (-1196)

MORROW SH
4582 (-1308)

CFS @ 4600'

CFS @ 4618'

ROP (min/ft)

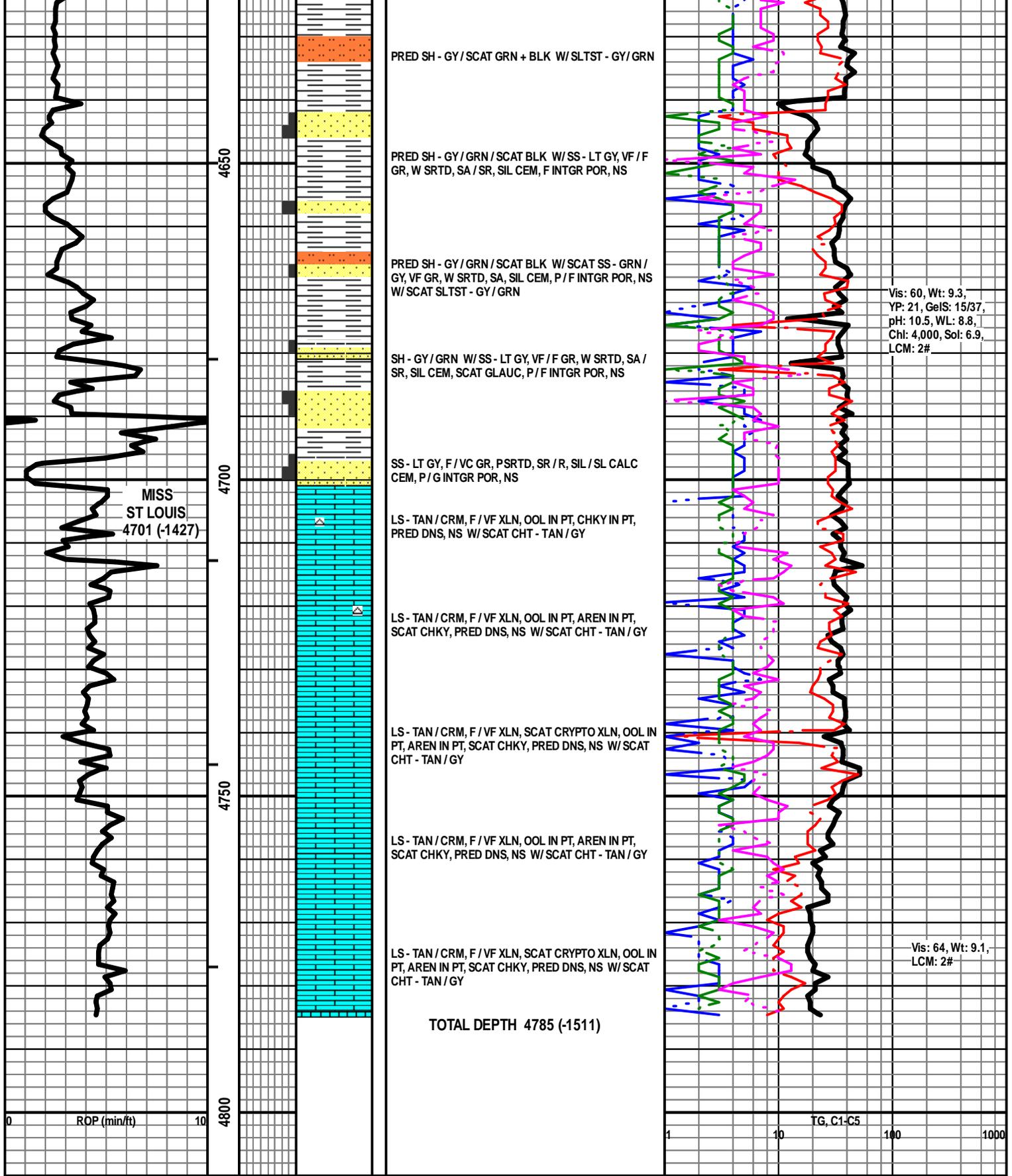
4450

4500

4550

4600

TG, C-5



PRED SH - GY / SCAT GRN + BLK W/SLTST - GY/GRN

PRED SH - GY / GRN / SCAT BLK W/SS - LT GY, VF / F GR, W SRTD, SA / SR, SIL CEM, F INTGR POR, NS

PRED SH - GY / GRN / SCAT BLK W/SCAT SS - GRN / GY, VF GR, W SRTD, SA, SIL CEM, P / F INTGR POR, NS W/SCAT SLTST - GY / GRN

SH - GY / GRN W/SS - LT GY, VF / F GR, W SRTD, SA / SR, SIL CEM, SCAT GLAUC, P / F INTGR POR, NS

SS - LT GY, F / VC GR, PSRTD, SR / R, SIL / SL CALC CEM, P / G INTGR POR, NS

LS - TAN / CRM, F / VF XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS W/SCAT CHT - TAN / GY

LS - TAN / CRM, F / VF XLN, OOL IN PT, AREN IN PT, SCAT CHKY, PRED DNS, NS W/SCAT CHT - TAN / GY

LS - TAN / CRM, F / VF XLN, SCAT CRYPTO XLN, OOL IN PT, AREN IN PT, SCAT CHKY, PRED DNS, NS W/SCAT CHT - TAN / GY

LS - TAN / CRM, F / VF XLN, OOL IN PT, AREN IN PT, SCAT CHKY, PRED DNS, NS W/SCAT CHT - TAN / GY

LS - TAN / CRM, F / VF XLN, SCAT CRYPTO XLN, OOL IN PT, AREN IN PT, SCAT CHKY, PRED DNS, NS W/SCAT CHT - TAN / GY

TOTAL DEPTH 4785 (-1511)

Vis: 60, Wt: 9.3,
YP: 21, GelS: 15/37,
pH: 10.5, WL: 8.8,
Chl: 4,000, Sol: 6.9,
LCM: 2#

Vis: 64, Wt: 9.1,
LCM: 2#

ROP (min/ft)

TG, C1-C5