

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Ummel Brothers Trust #1-26
Location: Section 26 - T16S - R22W
License Number: API: 15-135-25973
Spud Date: 10 / 02 / 2017
Surface Coordinates: 1162' FSL and 335' FEL
NW - NE - SE - SE
Region: Ness Co., KS
Drilling Completed: 10 / 13 / 2017
Bottom Hole Coordinates:
Ground Elevation (ft): 2351' K.B. Elevation (ft): 2356'
Logged Interval (ft): 3700' To: 4435' Total Depth (ft): 4435'
Formation: Mississippian
Type of Drilling Fluid: Chemical - Mud-Co

Printed by WellSight Log Viewer 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: 12427 W Ridgepoint Cir
Wichita, Kansas 67235

General Info

CONTRACTOR: Murfin Drilling, Rig #16

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	Reed-TC11-RR	3-15s	304	304	4.75
2	7-7/8	HTC-GX20C	18-16-16	4435	4131	97.25

SURVEYS: 304'-0.25, 4435'-

GENERAL DRILLING & PUMP INFORMATION:

Drilling with 17 collars (6.25"x2.25"): 496.55'
Drilling with 35,000-36,000 lbs on bit and 75-80 RPM.
Pumping 62 S/M; 8.0 B/M; 800-900 psi at standpipe.



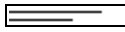

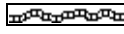



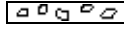








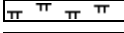







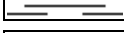
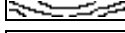

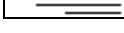

Daily Status

10/02/17 - Spud at 4:00 PM; Set 8-5/8" csg @ 302'
 10/03/17 - 304' WOC; DP @ 7:00 AM
 10/04/17 - 2,090' TOH @ 2,597' due to heavy rain
 10/05/17 - 2,597' Down; More rain; cannot fill fresh water pit
 10/06/17 - 2,597' Down
 10/07/17 - 2,597' Down
 10/08/17 - 2,597' Down
 10/09/17 - 2,597' Down
 10/10/17 - 2,597' TIH; Drilling @ 11:15 AM
 10/11/17 - 3,170' Drilling; Displace mud @ 3,300'
 10/12/17 - 3,860' Drilling; Wiper trip @ 4,213'
 10/13/17 - 4,270' Drilling; TD @ 4,435'; Log well























































































DSTs

None

ROCK TYPES

 Anhy	 Gyp	 Shgy	 Sandylms
 Bent	 Igne	 Sltst	 Shale
 Brec	 Lmst	 Ss	 Sltstn
 Cht	 Meta	 Till	 Shlyslts
 Clyst	 Mrlst	 Carb sh	 Sltysht
 Coal	 Salt	 Dol	 Lms
 Congl	 Shale	 Dtd	
 Dol	 Shcol	 Gry sh	

ACCESSORIES

MINERAL	 Salt	 Fossil	 Clystn
 Anhy	 Sandy	 Gastro	 Dol
 Arggrn	 Silt	 Oolite	 Grysh
 Arg	 Sil	 Ostra	 Gryslt
 Bent	 Sulphur	 Pelec	 Lms
 Bit	 Tuff	 Pellet	 Sandylms
 Brecfrag	 Chlorite	 Pisolite	 Sh
 Calc	 Dol	 Plant	 Sltstn
 Carb	 Sand	 Strom	
 Chtdk	 Silty	 Fuss	
 Chtlt		 Oomold	
 Dol	FOSSIL		TEXTURE
 Feldspar	 Algae	STRINGER	 Boundst
 Ferrpel	 Amph	 Anhy	 Chalky
 Ferr	 Belm	 Arg	 Cryxln
 Glau	 Bioclst	 Bent	 Earthy
 Gyp	 Brach	 Coal	 Finexln
 Hvymn	 Bryozoa	 Dol	 Grainst
 Kaol	 Cephal	 Gyp	 Lithogr
 Marl	 Coral	 Ls	 Microxln
 Minxl	 Crin	 Mrst	 Mudst
 Nodule	 Echin	 Sltstrg	 Packst
 Phos	 Fish	 Ssstrg	 Wackest
 Pyr	 Foram	 Carbsh	

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

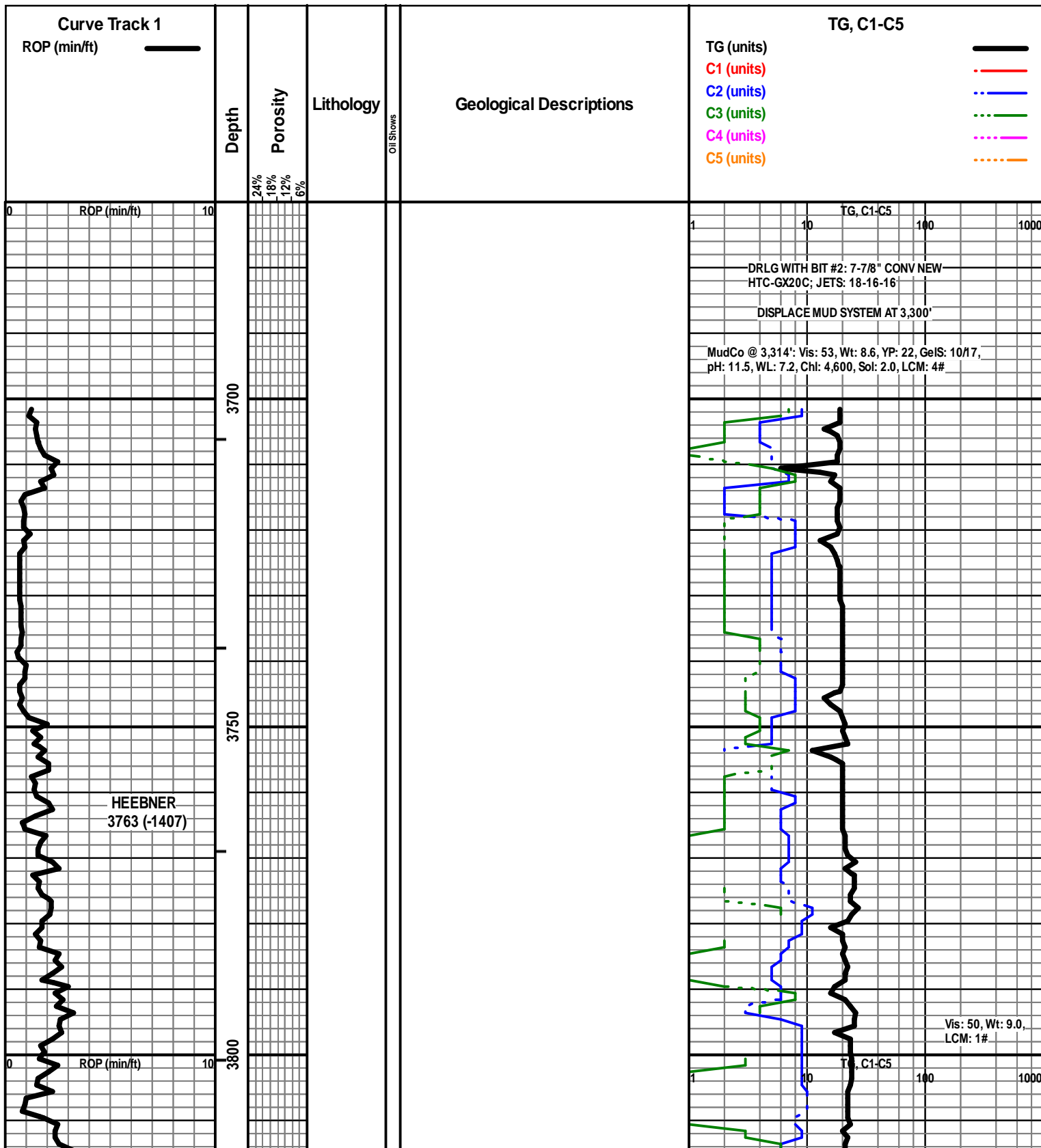
INTERVALS

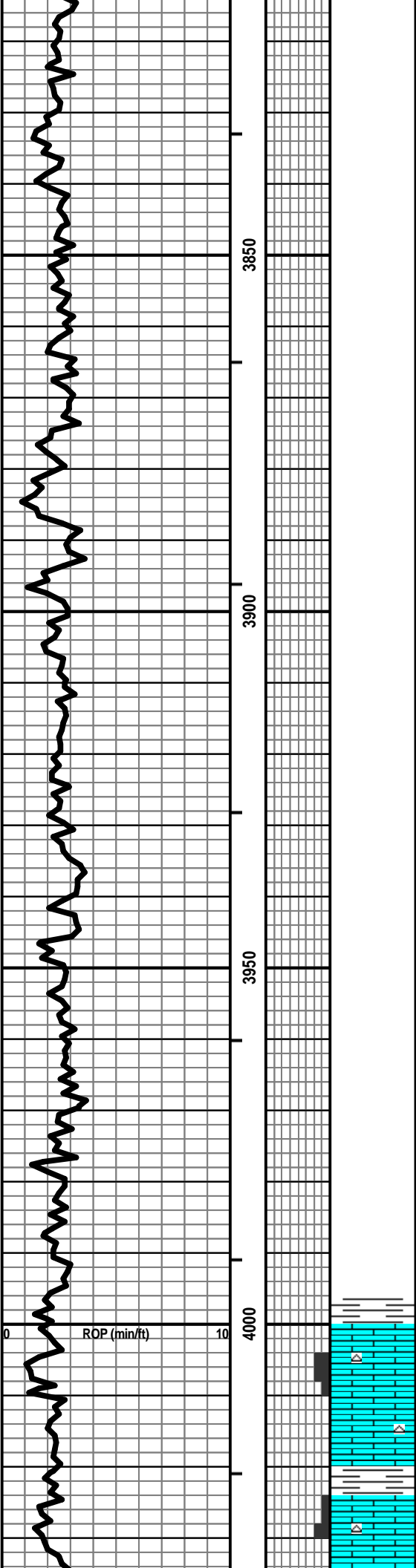
- Core
- ◻ Dst

- ▣ Dst_1_t
- ▤ Dst_1_b
- ▥ Dst

EVENTS

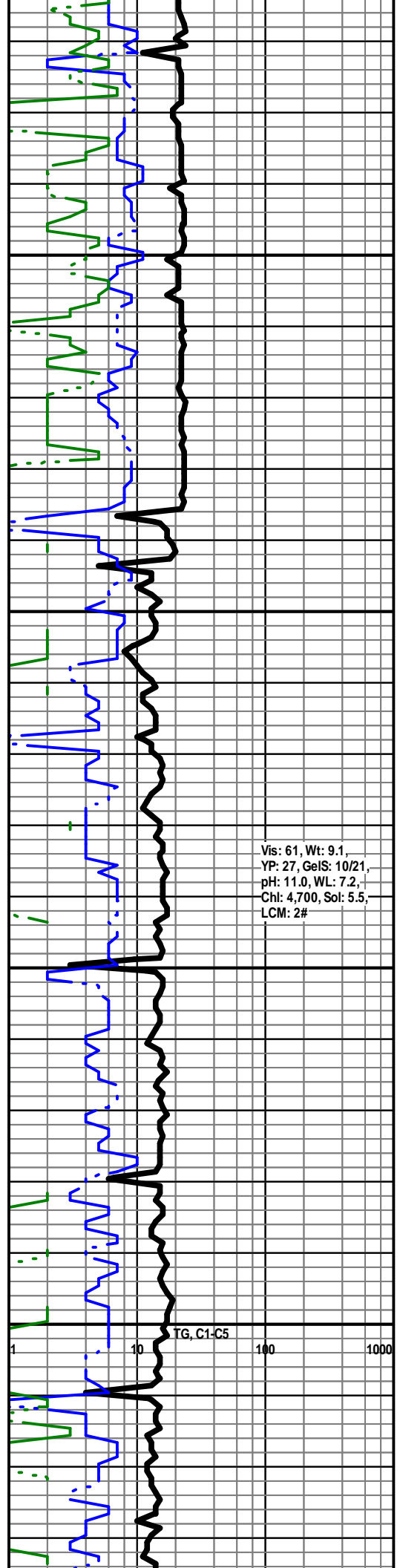
- ▽ Rft
- ▾ Sidewall
- ▿ Conn



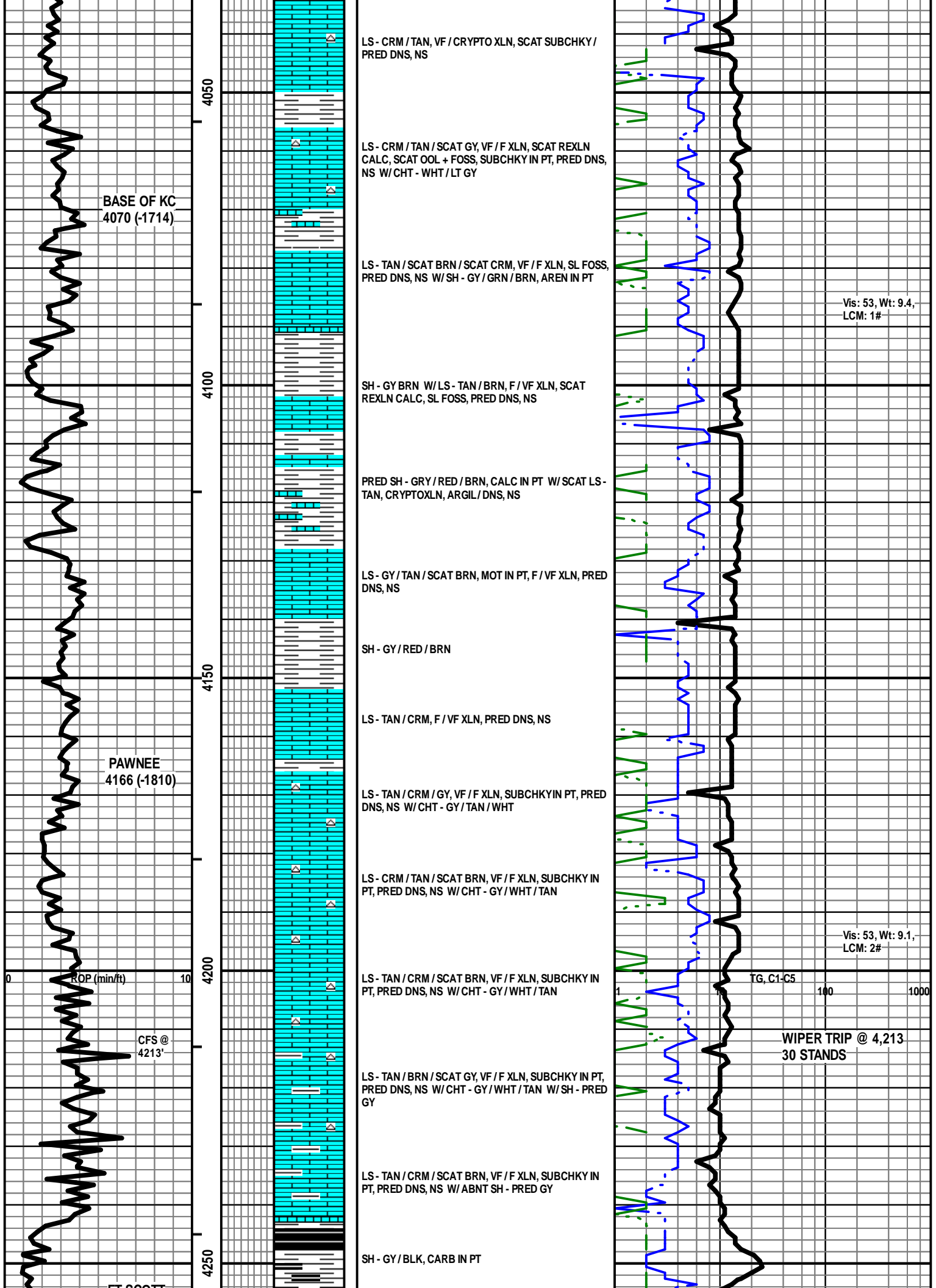


LS - CRM / TAN / SCAT BRN, VF / F XLN, SCAT REXLN
 CALC, OOL + FOSS IN PT, SCAT P / F VUG + OOM POR,
 NS W/ CHT - WHT / LT GY

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



Vis: 61, Wt: 9.1,
 YP: 27, GeIS: 10/21,
 pH: 11.0, WL: 7.2,
 Chl: 4,700, Sol: 5.5,
 LCM: 2#



BASE OF KC
4070 (-1714)

PAWNEE
4166 (-1810)

CFS @
4213'

LS - CRM / TAN, VF / CRYPTO XLN, SCAT SUBCHKY / PRED DNS, NS

LS - CRM / TAN / SCAT GY, VF / F XLN, SCAT REXLN CALC, SCAT OOL + FOSS, SUBCHKY IN PT, PRED DNS, NS W/ CHT - WHT / LT GY

LS - TAN / SCAT BRN / SCAT CRM, VF / F XLN, SL FOSS, PRED DNS, NS W/ SH - GY / GRN / BRN, AREN IN PT

SH - GY BRN W/ LS - TAN / BRN, F / VF XLN, SCAT REXLN CALC, SL FOSS, PRED DNS, NS

PRED SH - GRY / RED / BRN, CALC IN PT W/ SCAT LS - TAN, CRYPTOXLN, ARGIL / DNS, NS

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

SH - GY / RED / BRN

LS - TAN / CRM, F / VF XLN, PRED DNS, NS

LS - TAN / CRM / GY, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS W/ CHT - GY / TAN / WHT

LS - CRM / TAN / SCAT BRN, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS W/ CHT - GY / WHT / TAN

LS - TAN / CRM / SCAT BRN, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS W/ CHT - GY / WHT / TAN

LS - TAN / BRN / SCAT GY, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS W/ CHT - GY / WHT / TAN W/ SH - PRED GY

LS - TAN / CRM / SCAT BRN, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS W/ ABNT SH - PRED GY

SH - GY / BLK, CARB IN PT

Vis: 53, Wt: 9.4,
LCM: 1#

Vis: 53, Wt: 9.1,
LCM: 2#

TG, C1-C5
100 1000

WIPER TRIP @ 4,213
30 STANDS

ROP (min/ft)
0 10

FT 3333T

FT SCOTT
4256 (-1900)

CHER SH
4268 (-1912)

CFS @ 4285'

MISSISSIPPIAN
4376 (-2020)

ROP (min/ft)

4300

4350

4400

4450

LS - CRM / TAN, VF / F XLN, SCAT FOSS + OOL,
SUBCHKY IN PT, PRED DNS, NS W/ ABNT SH - GY/
GRN / SCAT BLK

ABNT SH - PRED GY, SLTYIN PT

PRED SH - GY, SLTYIN PT, SCAT BLK + CARB W/ TR
SS CLSTRS - GY/GRN, F / M GR, SR, CLAYEY / ARGIL,
NO POR, NS

PRED SH - GY / SCAT RED, SLTYIN PT

SH - AS ABOVE W/ MOD AMT LS - TAN / CRM / BRN, VF
/ F XLN, SL FOSS, PRED DNS, NS W/ SCAT SS CLSTRS -
GY / GRN, F / M GR, SR, CLAYEY / ARGIL, NS

PRED SH - GY / SCAT RED + GRN, SLTYIN PT W/ SCAT
LS - V SIM TO ABOVE, NS

PRED SH - GY / SCAT RED + GRN, SLTYIN PT W/ SCAT
LS - TAN / GY, VF XLN, SL FOSS, ARGIL / DNS, NS

PRED SH - GY / SCAT RED + GRN W/ SCAT LS - V SIM
TO ABOVE, NS W/ SCAT CHT - GY / TAN

PRED SH - GY / RED W/ SCAT CHT - VARICOL W/ SCAT
SS - LT GY / WHT, VF GR, SA, SIL, NO VIS POR, NS

PRED SH - GY / RED W/ CHT - VARICOL W/ SCAT SS -
AS ABOVE, NS

PRED CHT - WHT / LT GY, VIT / FRESH, NS W/ TR DOLO
- CRM, F XLN, PRED DNS, NS W/ MOD AMT SH - GY /
RED (CAVINGS?)

CHT - PRED WHT / LT GY, VIT / FRESH, NS W/ TR DOLO
- CRM, F XLN, PRED DNS, NS

CHT - PRED WHT / LT GY, VIT / FRESH, NS W/ SCAT
DOLO - CRM, F XLN, PRED DNS, NS

CHT - PRED WHT / LT GY, VIT / FRESH, NS W/ SCAT
DOLO - CRM, F XLN, PRED DNS, NS

TOTAL DEPTH 4435 (-2079)

Vis: 53, Wt: 9.3,
YP: 25, GeIS: 10/17,
pH: 11.0, WL: 7.2,
Chl: 4,600, Sol: 6.9,
LCM: 2#

TG, C1-C5

100 1000

Vis: 63, Wt: 9.3,
LCM: 2#