

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: J.T. Vonlintel #1-5
Location: Section 5 - T17S - R22W
License Number: API: 15-135-25971
Spud Date: 09 / 19 / 2017
Surface Coordinates: 2292' FSL and 335' FEL
SW - NE - NE - SE
Region: Ness Co., KS
Drilling Completed: 09 / 25 / 2017
Bottom Hole Coordinates:
Ground Elevation (ft): 2392' K.B. Elevation (ft): 2397'
Logged Interval (ft): 3700' To: 4480' Total Depth (ft): 4480'
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	4.50
2	7-7/8	HTC-GX20C	18-16-16	4410	4106	90.00
3	7-7/8	HTC-GX20C	18-16-16	4480	70	2.00

SURVEYS: 304'-0.25, 2438'-1.00, 4480'-

GENERAL DRILLING & PUMP INFORMATION:

Drilling with 17 collars (6.25"x2.25"): 495.41'
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.



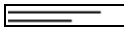

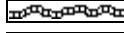



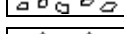

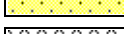



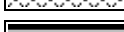

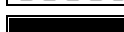
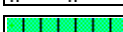

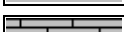

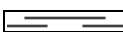








Daily Status

09/19/17 - Spud at 12:30 PM; Set 8-5/8" csg @ 302'
 09/20/17 - 550' Drilling
 09/21/17 - 2,400' Drilling
 09/22/17 - 3,210' Drilling; Displace @ 3,340'
 09/23/17 - 3,850' Drilling; Wiper trip @ 4,276'
 09/24/17 - 4,300' Drilling; DST #1 @ 4,410'
 09/25/17 - 4,420' CFS; RTD 4480' @ 10:00 AM; Log well




















































































DSTs

DST #1: 4,373' - 4,410' (Mississippian)
 30" - 30" - 30" - 30"
 IF: Surface blow building to 1/4 inch
 ISI: No blow back
 FF: No blow
 FSI: No blow back
 RECOVERY: 45' Total Fluid, consisting of:
 5' MO (80% O & 20% M)
 40' SOCM (5% O & 95% M)
 Sampler: 1000 ml O & 2000 ml M @ 80 psi
 SIP: 639-328; FP: 19-29, 32-32; HP: 2187-2159; BHT: 118

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	 Sltty	 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
 Hvymin	 Bryozoa	 Dol	 Grainst
 Kaol	 Cephal	 Ls	 Lithogr
 Marl	 Coral	 Mrst	 Microxln
 Minxl	 Crin	 Sltstrg	 Mudst
 Nodule	 Echin	 Ssstrg	 Packst
 Phos	 Fish	 Carbsh	 Wackest
Pyr	Foram		

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

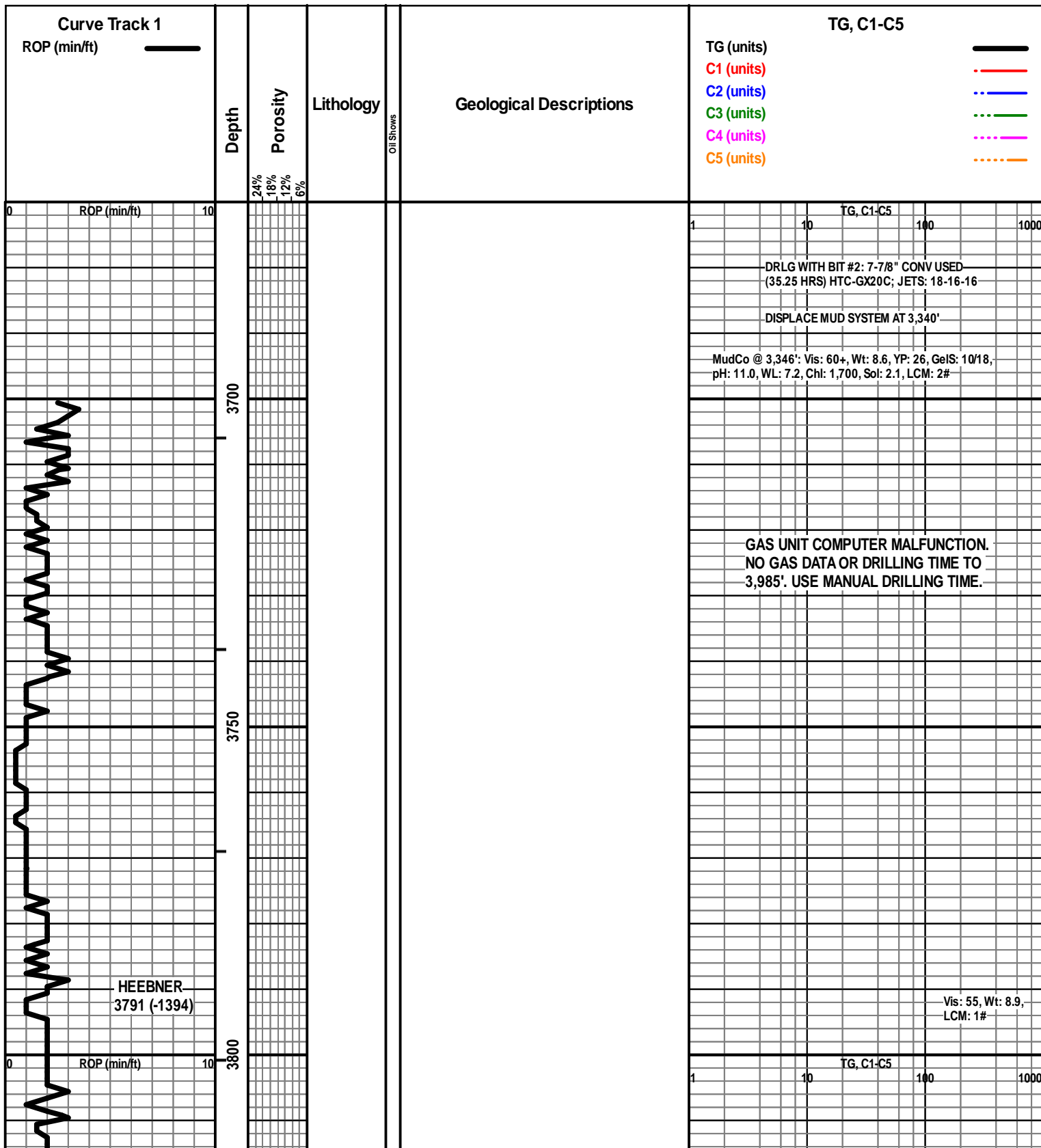
INTERVALS

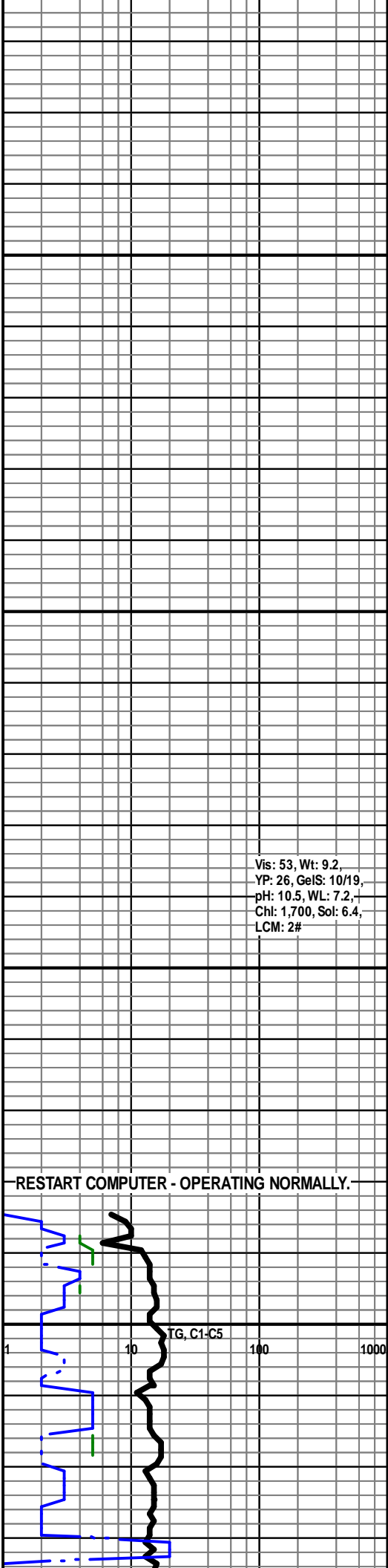
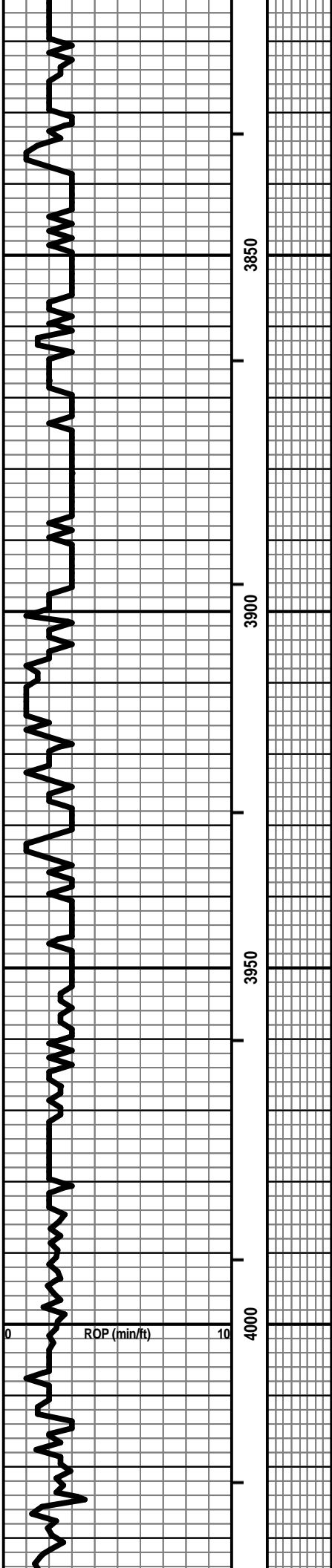
- Core
- Dst

- Dst_1_t
- Dst_1_b
- Dst

EVENTS

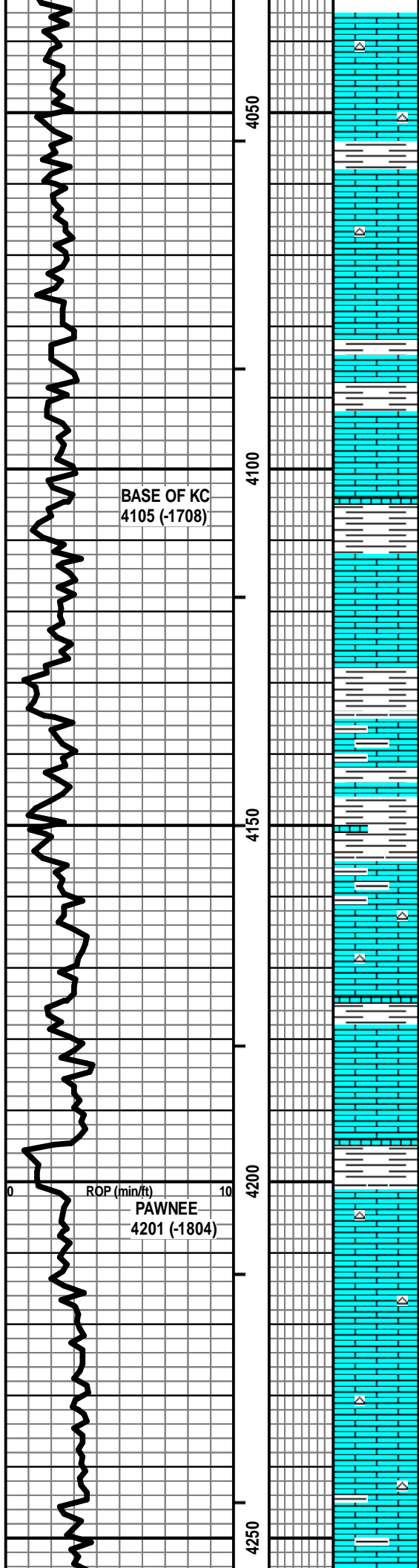
- Rft
- Sidewall
- Conn





Vis: 53, Wt: 9.2,
 YP: 26, GeIS: 10/19,
 pH: 10.5, WL: 7.2,
 Chl: 1,700, Sol: 6.4,
 LCM: 2#

RESTART COMPUTER - OPERATING NORMALLY.



BASE OF KC
4105 (-1708)

ROP (min/ft)
PAWNEE
4201 (-1804)

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

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

LS - V SIM TO ABOVE, PRED DNS, NS

LS - CRM / TAN, VF / CRYPTO XLN, SCAT F XLN, SL
FOSS IN PT, SCAT OOL, PRED DNS, NS

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

LS - TAN / GY / SCAT BRN, V SIM TO ABOVE, ARGIL IN
PT, NS W/SH - PRED GY, SLTY IN PT

LS - GY / TAN / BRN / REDISH, MOT IN PT, VF / F XLN,
MOD ARGIL / DNS, NS W/SH - GY / RED / SCAT GRN,
SLTY IN PT

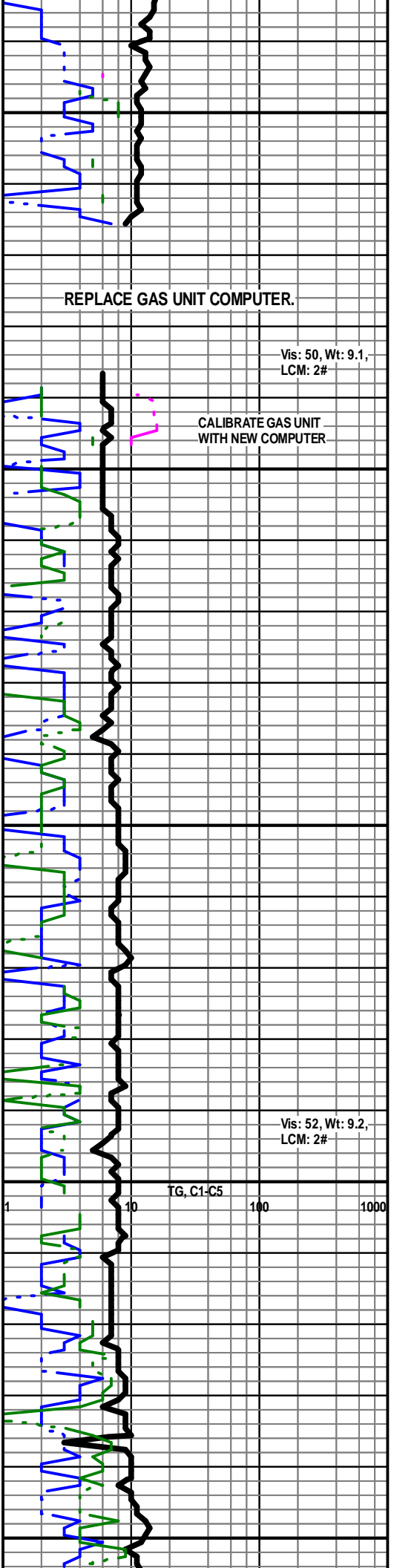
LS - CRM / TAN / GY, F / VF XLN, SCAT REXLN CALC,
SUBCHKY IN PT, PRED DNS, NS W/SCAT CHT - ORG
W/ MOD AMT SH - VARICOL

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

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

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

LS - TAN / GY / SCAT BRN, VF / F XLN, PRED DNS, NS
W/SH - GY W/SCAT CHT - AA



REPLACE GAS UNIT COMPUTER.

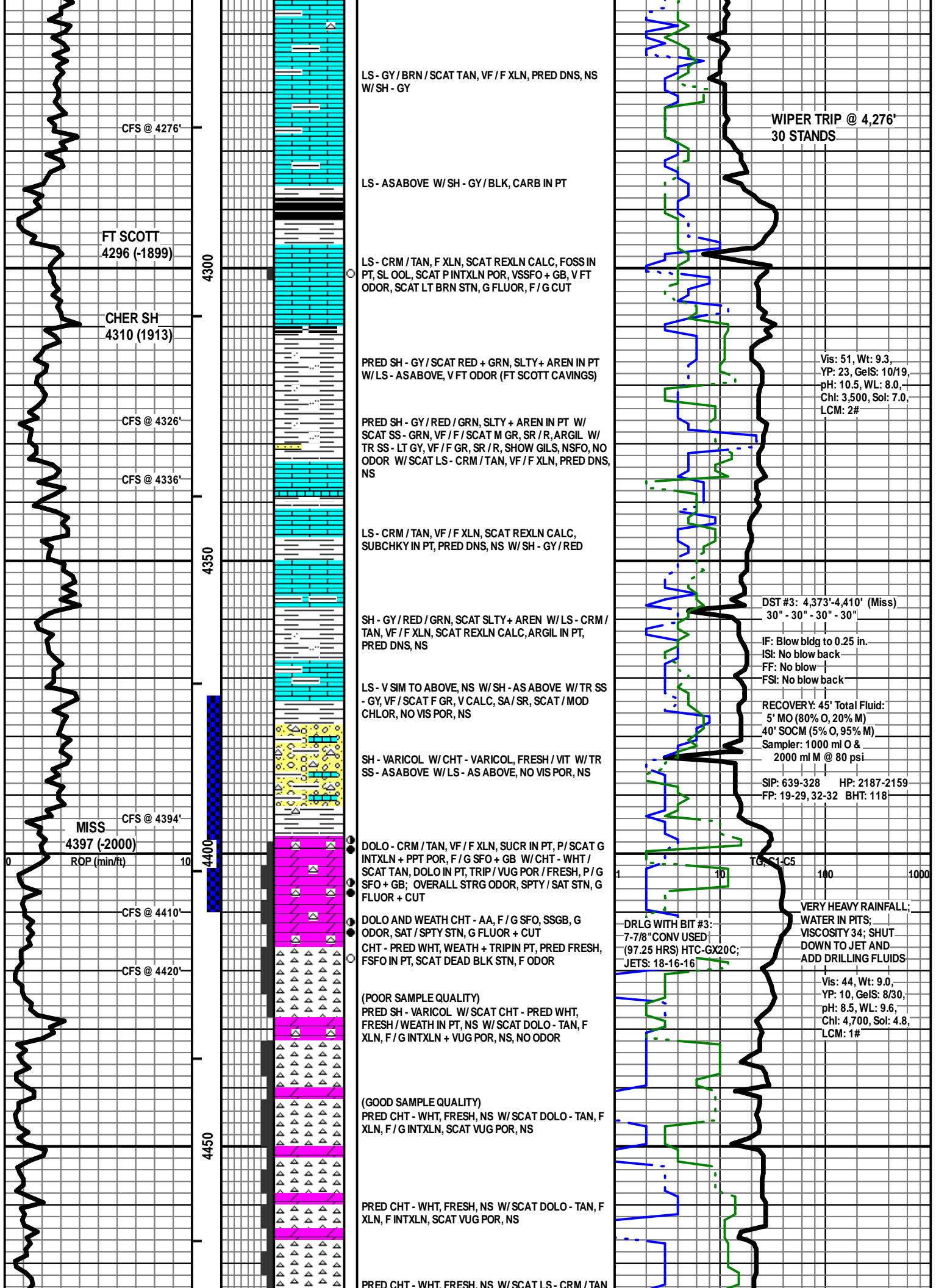
Vis: 50, Wt: 9.1,
LCM: 2#

CALIBRATE GAS UNIT
WITH NEW COMPUTER

Vis: 52, Wt: 9.2,
LCM: 2#

TG, C1-C5

100 1000



CFS @ 4276'

FT SCOTT
4296 (-1899)

CHER SH
4310 (1913)

CFS @ 4326'

CFS @ 4336'

4300

4350

4400

4450

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

LS - ASABOVE W / SH - GY / BLK, CARB IN PT

LS - CRM / TAN, F XLN, SCAT REXLN CALC, FOSS IN
PT, SL OOL, SCAT P INTXLN POR, VSSFO + GB, V FT
ODOR, SCAT LT BRN STN, G FLUOR, F / G CUT

PRED SH - GY / SCAT RED + GRN, SLTY + AREN IN PT
W / LS - ASABOVE, V FT ODOR (FT SCOTT CAVINGS)

PRED SH - GY / RED / GRN, SLTY + AREN IN PT W /
SCAT SS - GRN, VF / F / SCAT M GR, SR / R, ARGIL W /
TR SS - LT GY, VF / F GR, SR / R, SHOW GILS, NSFO, NO
ODOR W / SCAT LS - CRM / TAN, VF / F XLN, PRED DNS,
NS

LS - CRM / TAN, VF / F XLN, SCAT REXLN CALC,
SUBCHKY IN PT, PRED DNS, NS W / SH - GY / RED

SH - GY / RED / GRN, SCAT SLTY + AREN W / LS - CRM /
TAN, VF / F XLN, SCAT REXLN CALC, ARGIL IN PT,
PRED DNS, NS

LS - V SIM TO ABOVE, NS W / SH - AS ABOVE W / TR SS
- GY, VF / SCAT F GR, V CALC, SA / SR, SCAT / MOD
CHLOR, NO VIS POR, NS

SH - VARICOL W / CHT - VARICOL, FRESH / VIT W / TR
SS - ASABOVE W / LS - AS ABOVE, NO VIS POR, NS

DOLO - CRM / TAN, VF / F XLN, SUCR IN PT, P / SCAT G
INTXLN + PPT POR, F / G SFO + GB W / CHT - WHT /
SCAT TAN, DOLO IN PT, TRIP / VUG POR / FRESH, P / G
SFO + GB; OVERALL STRG ODOR, SPTY / SAT STN, G
FLUOR + CUT

DOLO AND WEATH CHT - AA, F / G SFO, SSGB, G
ODOR, SAT / SPTY STN, G FLUOR + CUT
CHT - PRED WHT, WEATH + TRIP IN PT, PRED FRESH,
FSFO IN PT, SCAT DEAD BLK STN, F ODOR

(POOR SAMPLE QUALITY)
PRED SH - VARICOL W / SCAT CHT - PRED WHT,
FRESH / WEATH IN PT, NS W / SCAT DOLO - TAN, F
XLN, F / G INTXLN + VUG POR, NS, NO ODOR

(GOOD SAMPLE QUALITY)
PRED CHT - WHT, FRESH, NS W / SCAT DOLO - TAN, F
XLN, F / G INTXLN, SCAT VUG POR, NS

PRED CHT - WHT, FRESH, NS W / SCAT DOLO - TAN, F
XLN, F INTXLN, SCAT VUG POR, NS

PRED CHT - WHT, FRESH, NS W / SCAT LS - CRM / TAN

WIPER TRIP @ 4,276'
30 STANDS

Vis: 51, Wt: 9.3,
YP: 23, GeIS: 10/19,
pH: 10.5, WL: 8.0,
Chl: 3,500, Sol: 7.0,
LCM: 2#

DST #3: 4,373'-4,410' (Miss)
30" - 30" - 30" - 30"

IF: Blow bldg to 0.25 in.
IS: No blow back
FF: No blow
FSI: No blow back

RECOVERY: 45' Total Fluid:
5' MO (80% O, 20% M)
40' SOCM (5% O, 95% M)
Sampler: 1000 ml O &
2000 ml M @ 80 psi

SIP: 639-328 HP: 2187-2159
FP: 19-29, 32-32 BHT: 118

VERY HEAVY RAINFALL;
WATER IN PITS;
VISCOSITY 34; SHUT
DOWN TO JET AND
ADD DRILLING FLUIDS

DRLG WITH BIT #3:
7-7/8" CONV USED
(97.25 HRS) HTC-GX20C;
JETS: 18-16-16

Vis: 44, Wt: 9.0,
YP: 10, GeIS: 8/30,
pH: 8.5, WL: 9.6,
Chl: 4,700, Sol: 4.8,
LCM: 1#

MISS CFS @ 4394'
4397 (-2000)
ROP (min/ft) 10

CFS @ 4410'

CFS @ 4420'

TG: 100 C5 100 1000

/BRN, F / SCAT M XLN, PRED DNS, NS

Vis: 54, Wt: 9.0,
LCM: 1#

TOTAL DEPTH 4480 (-2083)

4500

