

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	WALKER UNIT 7-29
Doc ID	1639308

All Electric Logs Run

Sonic
Microlog
Porosity
Induction



785-953-0222

TICKET NUMBER 1454 K-C
 LOCATION Hogston Pk
 FOREMAN Walt Dunkel

**FIELD TICKET & TREATMENT REPORT
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-5-2022		Walker unit 7-29	29	23 ^S	32 ^W	Flint
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Borecco, LLC			803-820	Nathan S.		
MAILING ADDRESS			800-850	Cary D.		
CITY			801-851	Jason L.		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 1730' CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 1727' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13,816.9 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 42.82'
 DISPLACEMENT 107.44 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Setby Meeting, Rig up on Duke Dwg #4, circ casing on bottom
Mix 650 SKS life, 3% CC, 1/4" Flashed Tail in w/ 150 SKS C, 2% CC, Clear Pump & Lines
Displace 108 BBL H₂O @ 570 # Hand Plug @ 900 #
Release Pressure, Float Hold

Cement Did Circ
Approx 25 BBL to RT

Thank You
Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	1,500 ⁰⁰	1,500 ⁰⁰
	60	MILEAGE	7.15	429 ⁰⁰
	35.33	Ton Mileage Delivery	1.25	3,709 ⁶⁵
	150 SKS	Class C	20 ⁰⁰	3,000 ⁰⁰
	650 SKS	Light Weight Blend: TV	18.25	12,187 ⁵⁰
	300 #	Calcium Chloride	1 ⁰⁰	300 ⁰⁰
	163 #	Ela-Seal	3 ⁰⁰	489 ⁰⁰
	1	8 5/8 - Corido Shoe	650 ⁰⁰	650 ⁰⁰
	1	8 5/8 - ARJ insert	380 ⁰⁰	380 ⁰⁰
	3	8 5/8 - Centralizers	110 ⁰⁰	330 ⁰⁰
				22,975 ¹⁵
		Less 25% Disc	-	5,943 ²⁹
				19,231 ³⁶
		SALES TAX		
		ESTIMATED TOTAL		

AUTHORIZATION Emigdio Rojas TITLE Tool Pusher DATE 1-06-22

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

FEB 11 2022

TICKET NUMBER 1457 K-c
 LOCATION Hugoton, Ks
 FOREMAN Walt Dunkel



785-953-0222

FIELD TICKET & TREATMENT REPORT
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-13-22		Walker unit #7-29	29	23 ^S	33 ^W	Finney
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Borexco, LLC			803-820	Nathan S.		
MAILING ADDRESS			800-850	Cory D.		
CITY			801-851	Jason A.		
STATE						
ZIP CODE						

JOB TYPE Prod HOLE SIZE 7 7/8 HOLE DEPTH 4950' CASING SIZE & WEIGHT 5 1/2" 1515[#]
 CASING DEPTH 4947' DRILL PIPE _____ TUBING _____ OTHER DV 2220'
 SLURRY WEIGHT 13.8, 11.7 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 42'
 DISPLACEMENT 118 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Safety Meeting, Rig up on Duke #4, run casing w/ float equipment
Hookup to casing Halfway, circ 30min, hookup to casing on bottom, circ 1hr
mixed 160 SKs lightweight, followed w/ 120 SKs HP-OWC, Clear Pump & Lines,
release Plug and Displace 40 BBL H₂O, 78 BBL mud @ 750[#], Landed Plug @ 1250[#]
Drop opening tool, wait 15 min, open DV Tool & Circ 4 hrs,
mix 30 SKs in BH, mixed 325 SKs Lightweight, Tail in w/ 50 SKs HP-OWC,
Clear Pump & Lines, Displace 78 BBL @ 800[#], Landed Plug and shut Tool
@ 1800[#], released Pressure, held a Cement Dial Circ.

Thank You
 Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	2,800.00	2,800.00
	60	MILEAGE	7.15	429.00
	31.0	Ton mileage Delivery	1.25	3,255.00
	170 SKs	HP-OWC	25.00	4,250.00
	535 SKs	Light weight Blend Y11	17.50	9,362.50
	850 #	Kal Seal	1.50	425.00
	134 #	Flr Seal	3.00	402.00
	1	5 1/2" AFU Float Shoe	585.00	585.00
	1	5 1/2" Latch down Plug Assy	400.00	400.00
	9	5 1/2" Centralizers	81.00	729.00
	3	5 1/2" Baskets	385.00	1,155.00
	1	5 1/2" DV Tool	5,920.00	5,920.00
				29,762.50
		Less 25% Disc		- 7,440.63
				22,321.87
		SALES TAX		
		ESTIMATED TOTAL		

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



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

Well Name: Walker Unit #7-29
Well Id:
Location: SE NW SE NW Sec. 29, T23S-R32W Finney County, Kansas
License Number: 15-055-22544 Region: Congdon North
Spud Date: 4 JAN 22 Drilling Completed: 12 JAN 22
Surface Coordinates: 1849' FNL & 1780' FWL
N38.027815035, W100.859328147
Bottom Hole
Coordinates:
Ground Elevation (ft): 2842' K.B. Elevation (ft): 2851'
Logged Interval (ft): 3600' To: 4950' Total Depth (ft): 4950'
Formation: DOUGLAS thru ST. LOUIS
Type of Drilling Fluid: Freshwater Chemical

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

OPERATOR

Company: BEREXCO, LLC
Address: 2020 North Bramblewood Drive
Wichita, Kansas 67206 1094

GEOLOGIST

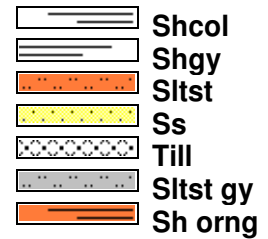
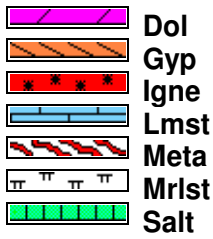
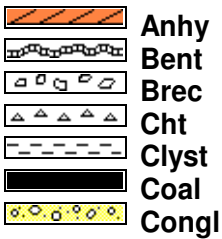
Name: Peter Vollmer WPG #3369
Company: Field Geo Services, Inc.
Address: 533 Bogart Lane, Suite a
Grand Junction, Colorado 81505
970-424-5162

SURVEYS

DSTs

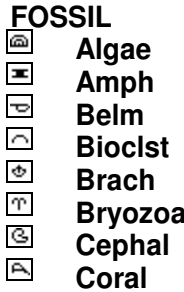
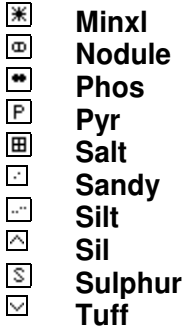
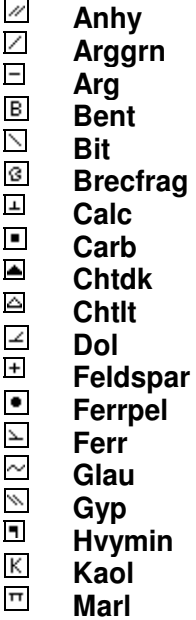
Comments

ROCK TYPES

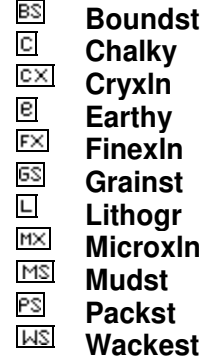


ACCESSORIES

MINERAL

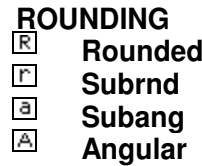
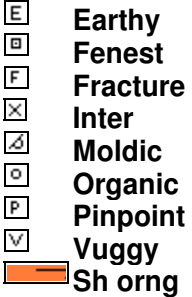


TEXTURE



OTHER SYMBOLS

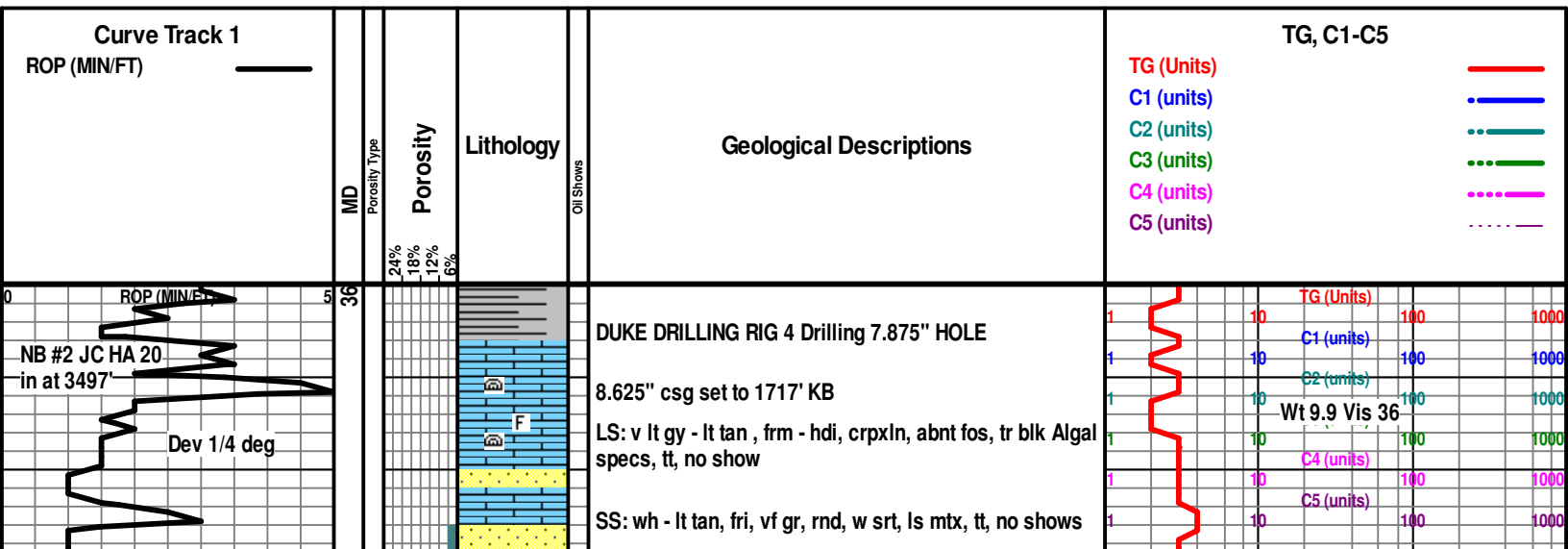
POROSITY



INTERVAL

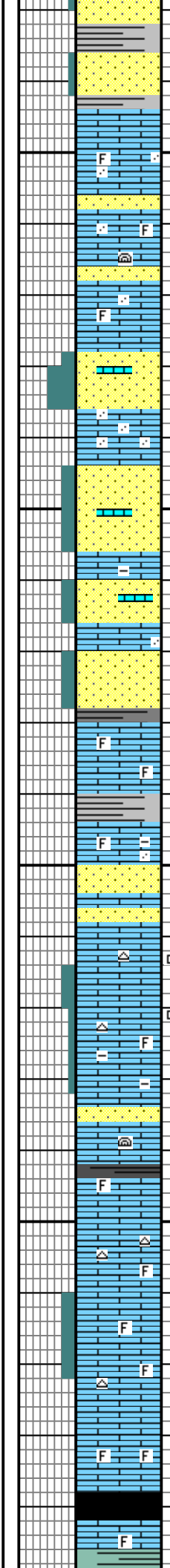
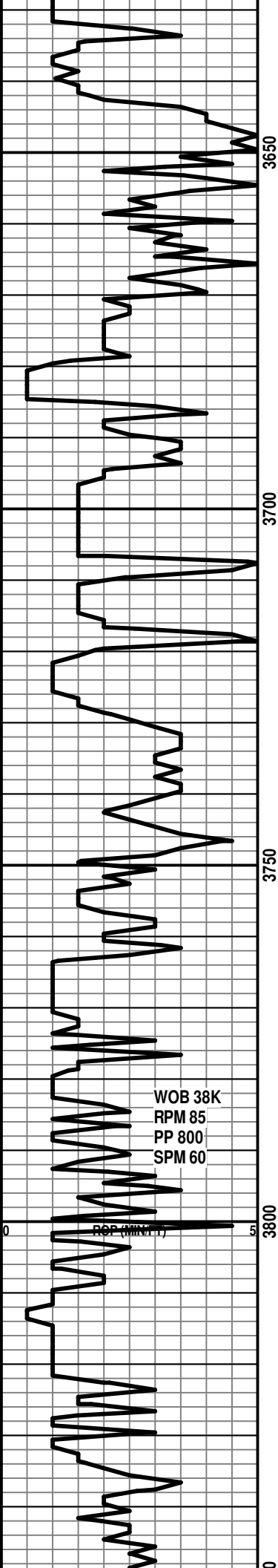


EVENT



DRILLING IN DOUGLAS GROUP

Depth 3610' WT 8.7 VIS 60
 PV 17 YP 22 Fil 7.2 pH 11.0
 CI 3000 Fc 1 LCM 3#



SH: lt gy, frm, plty - blk, n - sl calc, sl slty, sb wxy, Ls ptgs

LS: v lt gy - lt tan, mot, frm - hd, micxl, occ grty tex, scat sd grs, fos frag (Crin), tr blk Algal stn, tt, no show

SS: lt tan - wh, fri - sft, v f gr, w rnd, w srt, calc cmt, occ Ls mt, tt - fr por, no show

LS: v lt gy - lt tan, frm - hdi, crpxln, abnt fos, tr blk Algal specs, tt, no show

SS: lt tan - lt gy, fri - sft, v f gr grdg to crs silt, w rnd, w srt, calc cmt, few clusters, intbdd Ls, tt, no show

LS: lt gy - lt tn, hd, crpxln, occ sdy, tr cht, arg ip, occ sdy, intbdd lt gy SH, tt, no show

LS: v lt gy, frm - hd, bio clastic, abnt fos (Crin, Coral, Bry), frag, occ vuggy por, no shows

LS: lt gy - occ lt bluishgy, hd - brit, crp - micxl, tr calc, occ grty tex, tr Sd, occ fos shell frag, tr brn Cht, tt, lt ymrl flor, no show

LS: lt gy - v lt brn, occ wh, hd - sft, crpxln - micxl, occ fos frag(Crin, Brac), lt tn Cht, occ chlky tex, occ micgran tex, tr blk asph specs, dd oil, tt - tr vuggy por, , mnrl flor, no shows

LS: lt tan - v lt brn, hd - frm, crpxln - micxl, rr fos frag, tr lt tn Cht, occ blk Sh, tt, mnrl flor, no show

LS: lt tan - v lt brn - lt gy, hd - frm, crpxln - micxl, occ bio clastic, fos (Fus, Coral), tt - occ vuggy por, mnrl flor, no show

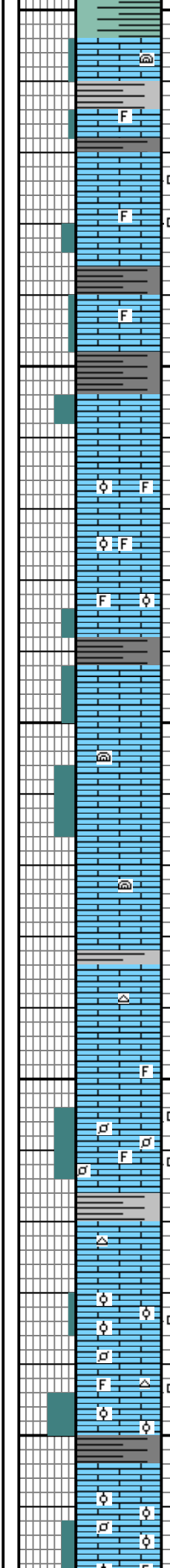
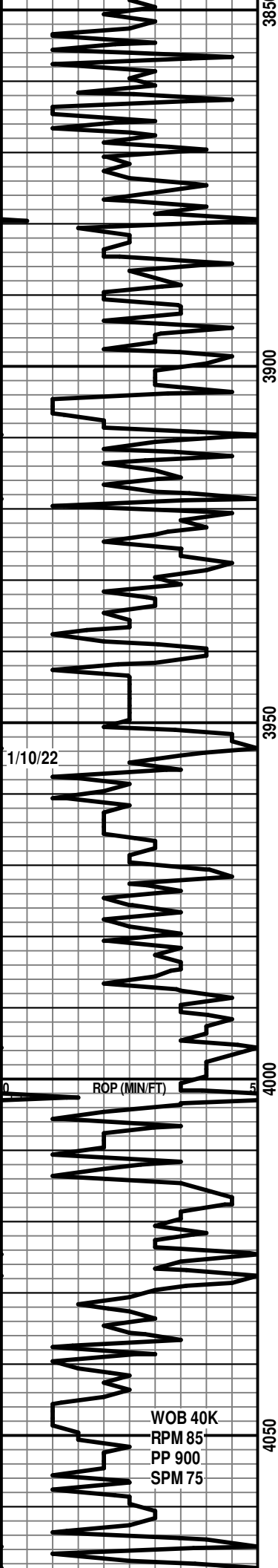
BASE HEEBNER 3842' (-991')

SH: gysh blk - blk, frm - brit, fis, n-sl calc, carb, no flor, v wk pale grn resd cut

SH: pale bluish gy - bluish green,, frm, blk - plty, n calc, sbwxy, dism pyr

1	10	TG (Units)	100	1000
1	10	C1 (units)	100	1000
1	10	C2 (units)	100	1000
1	10	C3 (units)	100	1000
1	10	C4 (units)	100	1000
1	10	C5 (units)	100	1000

WOB 38K
 RPM 85
 PP 800
 SPM 60



TORONTO 3853' (-1002')

LS: lt brn - crm - off wh, frm - hd, cp - micxln, fos frag (Crin, Fus, Brac), wh Cht, calc frac fill, tt - vuggy por, no show
 SH: dk gy - blk, frm ,plty, n calc

LANSING 3880' (-1029')

LS: lt tan - wh -crm, hd, crpxln, fos frag, blk dd oil stn, tt - occ vuggy por, pale yel mnrl flor, no show. SH: dk gy, frm, blk, calc

LS: v lt gy - wh, hd, crpxln - micxln, fos frag, tt - occ vuggy por, no show

LANSING "B" 3914' (-1063')

SH: lt gy, reddish brn - dk gy, prob cvgs, frm, plty sbwxy

LS: lt gy - crm, frm - hd, crpxln - micxln, fos frag, tt, no shows

LS: lt tan - crm, frm - hd, crp - micxln, occ bio clastic grainst, abnt fos frag, tr vuggy por, tt, no show

LANSING "C" 3953' (-1102')

LS: crm - off wh, frm - hd, crpxln - micxln, tr blk asph stn, tt - tr p-p vuggy por, no show

LS: crm - off wh - v lt gy, frm - hd, crp - micxln, occ packst, fos frag, occ chalky tex, tt - tr vuggy por, no show, decr Sh cvgs

LANSING "D" 3985' (-1134')

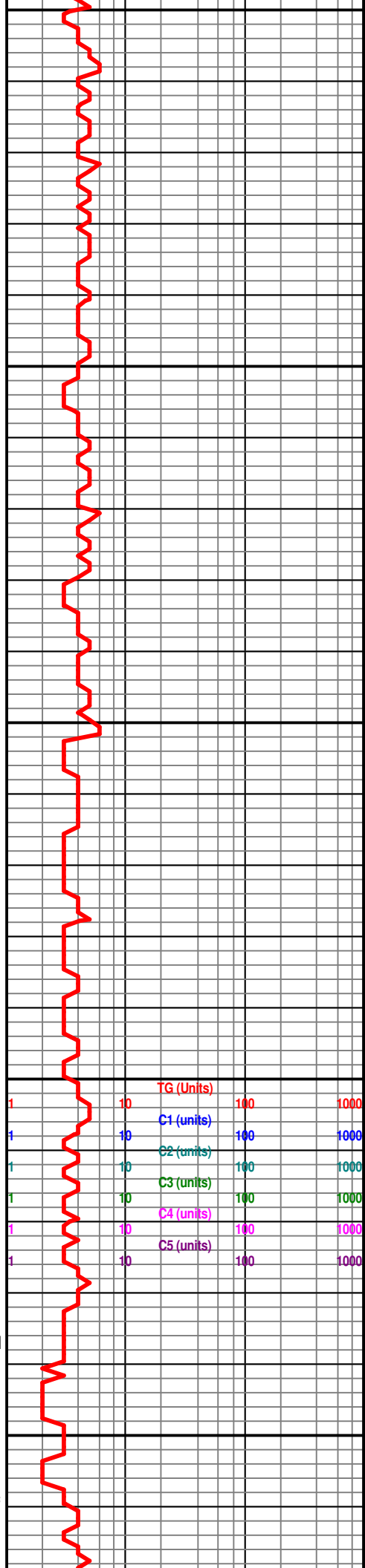
LS: lt tan - crm - off wh, frm - hd, crp - micxln, tr opa q cht, occ chiky tex, fos (Ost), tr lt gy Sh ptgs, tt, no show.

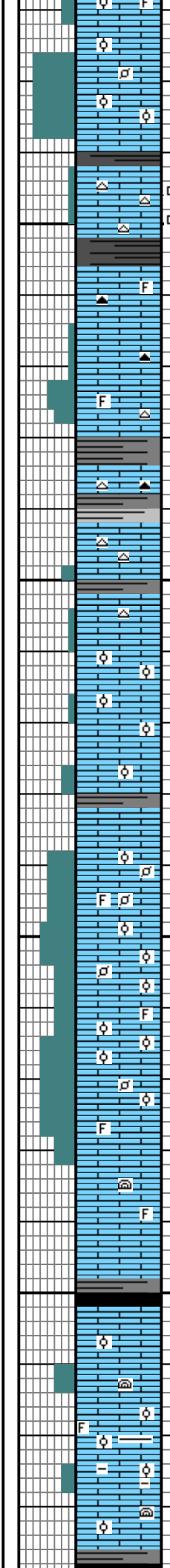
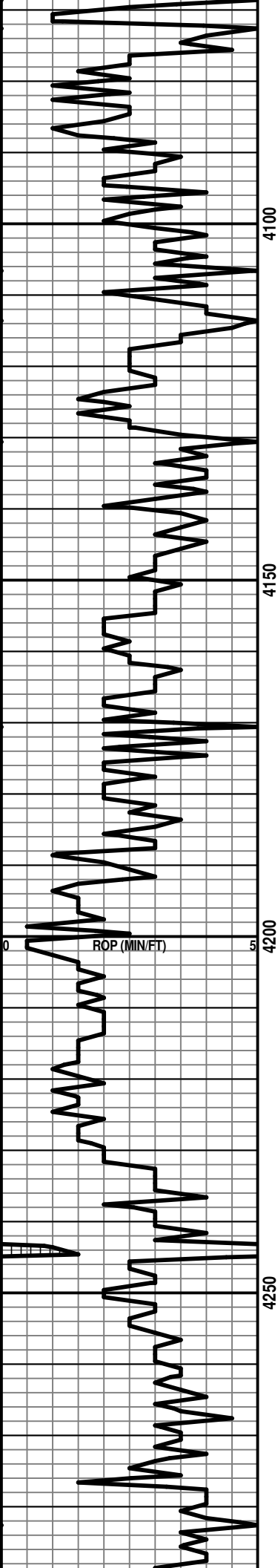
LS: lt tan - crm - off wh, frm - hd, crp - micxln, tr blk asph stn, occ chalky tex, fos (Crin, Fus), occ pel and ool, lt tan - opa q cht, dkbrn dd oil, tt - fr vuggy por, no show.

LS: lt tan - crm - off wh, frm - hd, crp - micxln, tr blk asph stn, occ chalky tex, mlky wh cht, occ abnt ool and pel, tr - fr por, no show.

LANSING "F" 4057' (-1206')

LS: lt tan - off wh - v lt gy, frm - hd, crp - vf xln, tr micsuc tex, fos frag, occ chalky tex, occ ool and pel, tr intxln por, bri yelgold mnrl flor, no show.





LS: lt tan - crm - off wh - v lt gy, frm - hd, crp - vf xln, tr micsuc tex, fos frag, occ chalky tex, occ pel, tr intxln and vuggy por, bri yelgold mnrl flor, no show.

SH: blk, frm, blk, n calc

LANSING "G" 4109' (-1258')

LS: lt tan - crm - off wh - ltgy, frm - hd, crp - vf xln, tr micsuc tex, fos frag, occ chalky tex, smokey gy cht, tr blk asph spec, tt, pale yel mnrl flor, no show.

LS: lt tan - crm - off wh, frm - hd, crp - vf xln, tr blk asph stn, occ chalky tex, fos (Crin), tt - tr intxln -p-p por, no show.

LANSING "H" 4136' (-1285')

LS: v lt tan - v lt gy -wh, frm - hd, crpxln - micxln, occ Cht, pyr, intbdd dk gy Sh, tt, dull yel mnrl flor, no show

SH: dkgy, frm, blk, sl - n calc

LS: lt tan - v lt gy -wh, frm - hd, crpxln - micxln, occ chalky tex, abnt fos (Brac), occ opa - brn Cht, tt, dull yel mnrl flor, no show

SH: dkgy, frm, blk, sl - n calc

LANSING "I" 4176' (-1325')

LS: wh -lt tan, frm, micxln - f xln, occ micgran tex, occ ool, occ pr int particle por, bri yel flor, no cut

Peloidal LS: lt tn - v lt gy - crm, frm - hd, vf xln, occ micsuc tex, occ pel grainst, scat clr vf rnd calc pel, pred chalky tex, scat ool and pel, fos frag, no stn, fr vuggy por, bri yelwh mnrl flor, no show

Peloidal LS: v lt tn - v lt gy - crm, frm - hd, micxln - vf xln, occ micsuc tex, occ grainst, tr clr vf rnd calc pel, abnt ool, pred chalky tex, fos frag, no stn, gd intxln and vuggy ool por, bri yelwh mnrl flor, no show

LS: v lt tan - v lt gy, frm - hd, crpxln - micxln, decr grainst, occ chalky tex, decr clr Peloids, fos frag, tr tt, dull yel mnrl flor, no show

SH: blk - v dk gy, frm - brit, blk - plty, n calc, v sl carb

KANSAS CITY "A" 4251' (-1400')

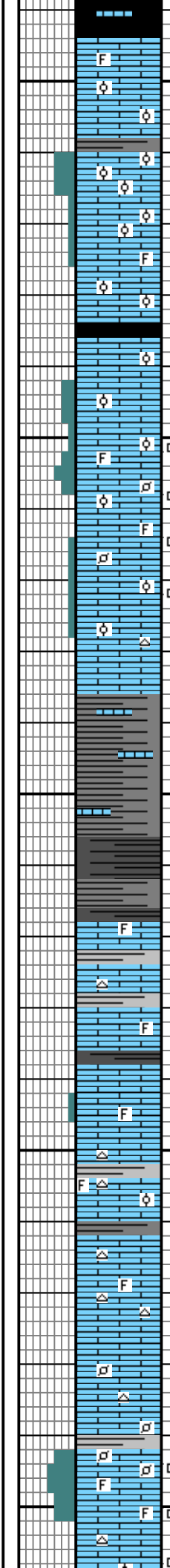
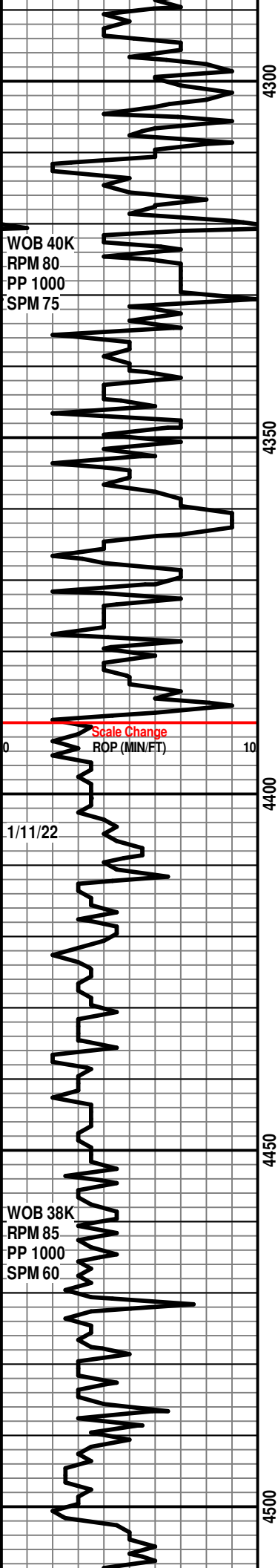
LS: lt gy - lt tn, hd, crpxln - micxln, occ fos frag (Crin, Bry, Fus), tr blk Algal stn, tt - fr intxln por, pale yel mnrl flor, no show

LS: lt gy - lt tn, hd, crpxln - micxln, occ fos frag, tr blk Algal stn, scaat ool, occ dk gy Sh ptgs, tt, no show

SH: blk - v dk gy, frm - stf, blk - flakey, n calc, v sl carb, thn Ls ptgs, no flor, sl fnt pale grn cut

Depth 4141' WT 9.4 VIS 60
PV 18 YP 22 Fil 8.0 pH 9.0
CI 4000 Fc 1 LCM 2#

TG (Units)	100	1000
C1 (units)	100 Wt 9.1+	1000
C2 (units)	100 Vis 58	1000
C3 (units)	100 LCM 3#	1000
C4 (units)	100	1000
C5 (units)	100	1000



KANSAS CITY "B" 4294' (-1443')

LS: lt gysh brn - lt tan, hd - fr, crpxln - vf xln, tr fos frag, tt, pale yel mnrl flor, no show

LS: lt gysh brn - lt tan, hd, crpxln - mic xln, tr fos frag, tt, pale yel mnrl flor, no show

LS: v lt brn - lt tan, hd, vf xln - micxln, occ fos frag (Crin), occ well oculed ool, tr blk Algal stn, tt - pr intxl por, pale yel mnrl flor, no show

SH: blk - dk gy, frm, sb blk, n -sl calc, sl carb

KANSAS CITY "C" 4336' (-1485')

LS: lt tan - v lt brn - lt gy, hd - frm, crpxln - micxln, occ fos frag, occ abnt ool, tt - occ vuggy por, pale yel flor, no show

LS: lt tan - v lt gy, frm, micxln - vf xln, vf micsuc tex, occ Brec and frag, Sh Clasts, sl chalky ip, fos frag (Fus, Brac), tr pel, occ ool, rr tr blk asph stn in vugs, occ vuggy and interparticle por, pale yel mnrl flor, no show

LS: lt tan - v lt gy, hd - frm, crpxln - micxln, occ fos frag, decr ool, tr blk dd oil, tt - pr vuggy por, pale yel flor, no show

BASE KANSAS CITY 4385' (-1534')

SH: v dk gy - gysh blk, frm, blk, n calc, pyr, thn Ls partings

MARMATON 4421' (-1570')

LS: lt tan - v lt brn - v lt gy, hd - frm, crpxln - micxln, occ fos frag (Crin, Coral, Chaetetes), tt, pale yel flor, no show, with intbdd SH: med gy - dk gy, frm, blk, sl - n calc, dull luster

LS: lt gy - lt gysh brn, hd -frm, crpxln - micxln, occ fos (Crin, Brac, Fus), occ chalky tex, tr intxn por, no show

LS: lt tan - v lt brn - v lt gy, hd - frm, crpxln - micxln, tr opa - v lt tn Cht, occ fos frag (Crin, Brac), tr ool, tt, pale yel flor, no show

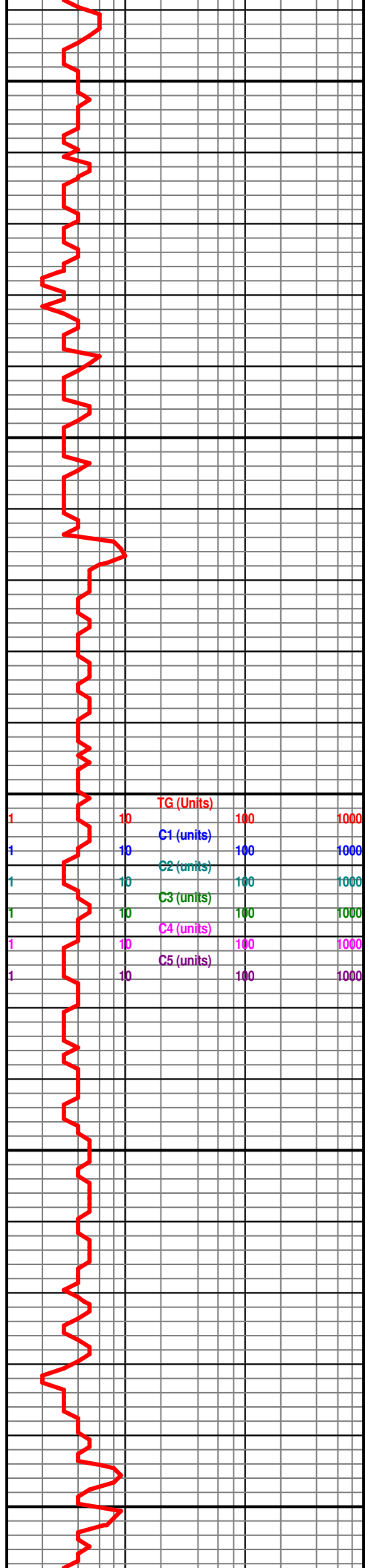
SH: lt gy - dk gy, occ blk, frm, blk, sl - n calc, dull - sbwxy luster

LS: lt gy - lt gysh brn - lt tan, hd, crpxln - vf xln, fos frag, occ abnt pel, mlky wh Cht, no stn, no vis por, tr mnrl flor, no show

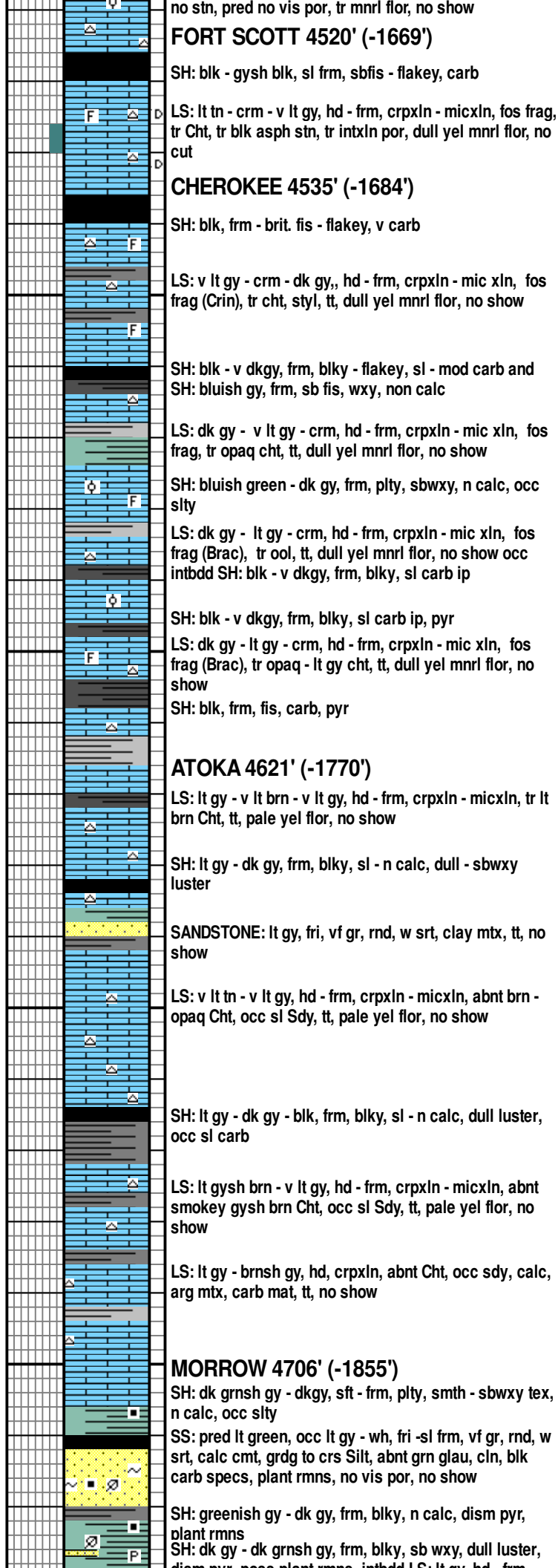
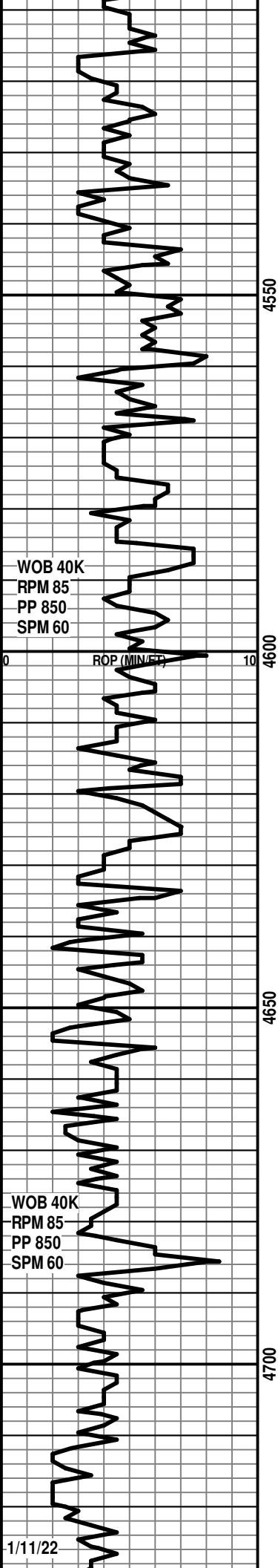
PAWNEE 4491' (-1640')

LS: v lt tan - v lt gy, hd - frm, crpxln - vf xln, occ chalky tex, fos frag (Crin, Bry), occ ool, rr blk asph stn (dd oil) pr intxln por, dull yel mnrl flor, no cuts

LS: lt gy - lt gysh brn - lt tn, hd, crpxln - vf xln, fos frag (Crin, Coral - Chaetetes), occ pel, lt brn Cht, chalky tex,



TG (Units)	100	1000
C1 (units)	100	1000
C2 (units)	100	1000
C3 (units)	100	1000
C4 (units)	100	1000
C5 (units)	100	1000



no stn, pred no vis por, tr mnrl flor, no show
FORT SCOTT 4520' (-1669')

SH: blk - gysh blk, sl frm, sbfis - flakey, carb

LS: lt tn - crm - v lt gy, hd - frm, crpxln - micxln, fos frag, tr cht, tr blk asph stn, tr intxln por, dull yel mnrl flor, no cut

CHEROKEE 4535' (-1684')

SH: blk, frm - brit. fis - flakey, v carb

LS: v lt gy - crm - dk gy,, hd - frm, crpxln - mic xln, fos frag (Crin), tr cht, styl, tt, dull yel mnrl flor, no show

SH: blk - v dkgy, frm, blk - flakey, sl - mod carb and SH: bluish gy, frm, sb fis, wxy, non calc

LS: dk gy - v lt gy - crm, hd - frm, crpxln - mic xln, fos frag, tr opa q cht, tt, dull yel mnrl flor, no show

SH: bluish green - dk gy, frm, plty, sbwxy, n calc, occ slty

LS: dk gy - lt gy - crm, hd - frm, crpxln - mic xln, fos frag (Brac), tr ool, tt, dull yel mnrl flor, no show occ intbdd SH: blk - v dkgy, frm, blk, sl carb ip

SH: blk - v dkgy, frm, blk, sl carb ip, pyr

LS: dk gy - lt gy - crm, hd - frm, crpxln - mic xln, fos frag (Brac), tr opa q - lt gy cht, tt, dull yel mnrl flor, no show

SH: blk, frm, fis, carb, pyr

ATOKA 4621' (-1770')

LS: lt gy - v lt brn - v lt gy, hd - frm, crpxln - micxln, tr lt brn cht, tt, pale yel flor, no show

SH: lt gy - dk gy, frm, blk, sl - n calc, dull - sbwxy luster

SANDSTONE: lt gy, fri, vf gr, rnd, w srt, clay mt, tt, no show

LS: v lt tn - v lt gy, hd - frm, crpxln - micxln, abnt brn - opa q cht, occ sl sdy, tt, pale yel flor, no show

SH: lt gy - dk gy - blk, frm, blk, sl - n calc, dull luster, occ sl carb

LS: lt gysh brn - v lt gy, hd - frm, crpxln - micxln, abnt smokey gysh brn cht, occ sl sdy, tt, pale yel flor, no show

LS: lt gy - brnsh gy, hd, crpxln, abnt cht, occ sdy, calc, arg mt, carb mat, tt, no show

MORROW 4706' (-1855')

SH: dk grnsh gy - dkgy, sft - frm, plty, smth - sbwxy tex, n calc, occ slty

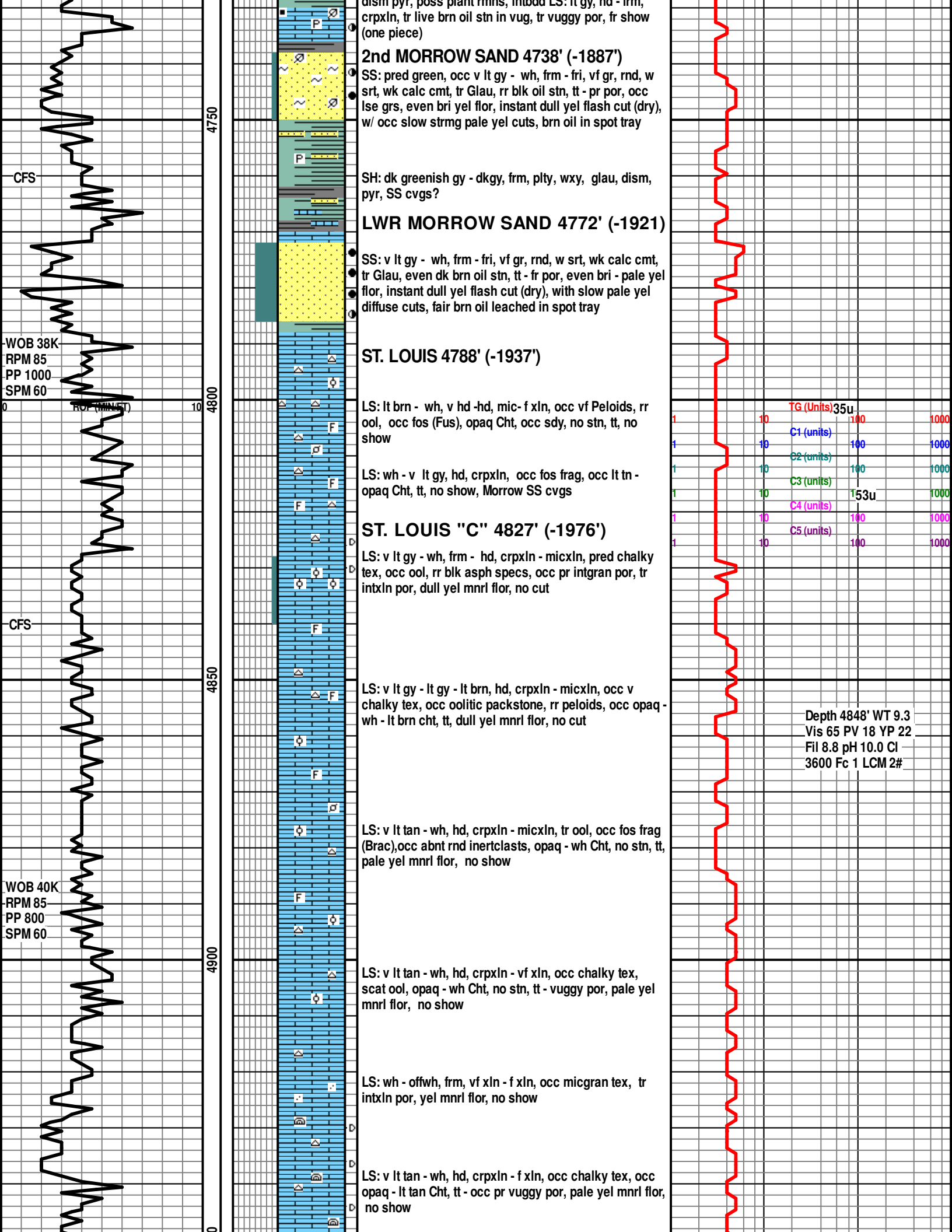
SS: pred lt green, occ lt gy - wh, fri -sl frm, vf gr, rnd, w srt, calc cmt, grd to crs silt, abnt grn glau, cln, blk carb specs, plant rmns, no vis por, no show

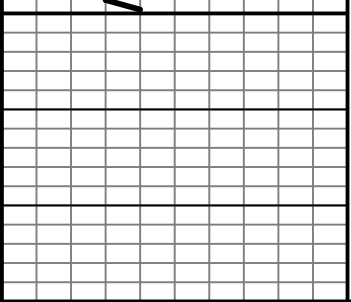
SH: greenish gy - dk gy, frm, blk, n calc, dism pyr, plant rmns

SH: dk gy - dk grnsh gy, frm, blk, sb wxy, dull luster, diam pyr, occas plant rmns, intbdd LS: lt gy, hd - frm

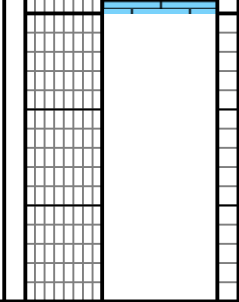
Depth 4530' WT 9.2 Vis
 56 PV 17 YP 20 Fil 8.02
 pH 10.0 Cl 3600 Fc 1
 LCM 2#

TG (Units)	10	100	1000
C1 (units)	10	100	1000
C2 (units)	10	100	1000
C3 (units)	10	100	1000
C4 (units)	10	100	1000
C5 (units)	10	100	1000





495



Total Depth:
Driller = 4950' (-2099')
Logger = 49x50' (-20x99')

