

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

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)</i> <i>(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:	
----------------	-------	---------	------------	--

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

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

Well Name: STACKLEY #2
API: 15-015-24137
Location: Section 16 - T24S - R6E
License Number: 35676
Spud Date: 11/20/2019
Surface Coordinates: 1170' FNL and 1110' FWL
Approx. SW - SW - NE - NE
Region: Butler Co., KS
Drilling Completed: 11/24/2019
Bottom Hole Coordinates:
Ground Elevation (ft): 1359' K.B. Elevation (ft): 1371'
Logged Interval (ft): 1450' To: 3350' Total Depth (ft): 3350'
Formation: Arbuckle
Type of Drilling Fluid: Chemical

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

OPERATOR

Company: Blue Ox Partners LLC
Address: 1123 S Huron St Unit V
Denver, CO 80223+3106

GEOLOGIST

Name: Aaron L. Young, M.S.
Company: Young Consulting LLC
Address: 100 S Main, Suite 505
Wichita, Kansas 67202

General Info

CONTRACTOR: Lighthouse Drilling Rig #1

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	RR	6x14's	232	232	3.00
2	7-7/8	PLT61656	14-14-14	1710	1478	6.75
3	7-7/8	HA20C	14-14-14	2773	1063	23.00
4	7-7/8	GX30	15-15-15	3350	577	21.75

SURVEYS: 682'-.5, 1710'-.75, 2210'-.75, 2773'-.75, 3350'-1

GENERAL DRILING AND PUMP INFORMATION:

Drilling with 30,000 lbs. on bit and approx 75 RPM.
Running 8 stands of collars; 487.43'
Pumping approx 1150-1300 psi at standpipe at 70 SPM

Daily Status

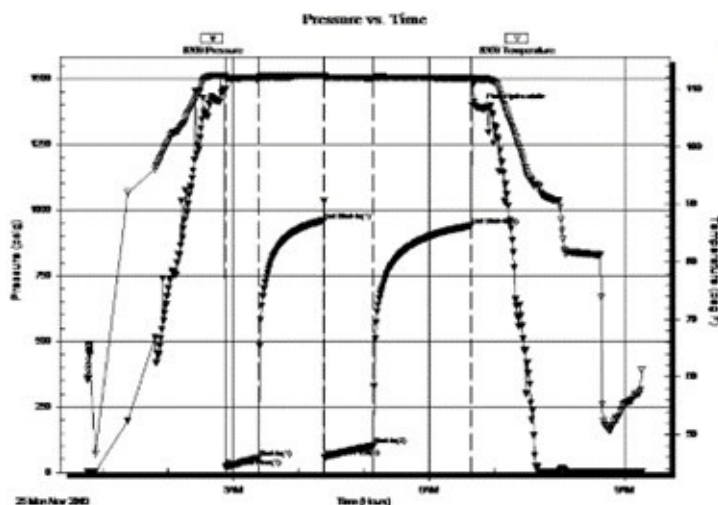
11-20-19: Spud @ 2:30pm
 11-21-19: Trip in after WOC
 11-22-19: Drilling @ 1918'
 11-23-19: CFS @ 2774' for bit trip
 11-24-19: Drilling @ 3223', reached RTD @ 3350' Logged
 11-25-19: TOH w/ straddle DST #1

DST #1 MISSISSIPPIAN
Straddle Test After Logs 2840' - 2876'
30"-60"-45"-90"

IF: Weak blow built to 4"
 ISI: No blowback
 FF: Weak blow built to 2"
 FSI: No blowback

Rec'd: 190' Drilling mud (100% M)

SIP: 960-940#
 FP: 22-56#, 59-102#
 HP: 1457-1389#



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
	Sltlysh
	Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- 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
- Silty

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

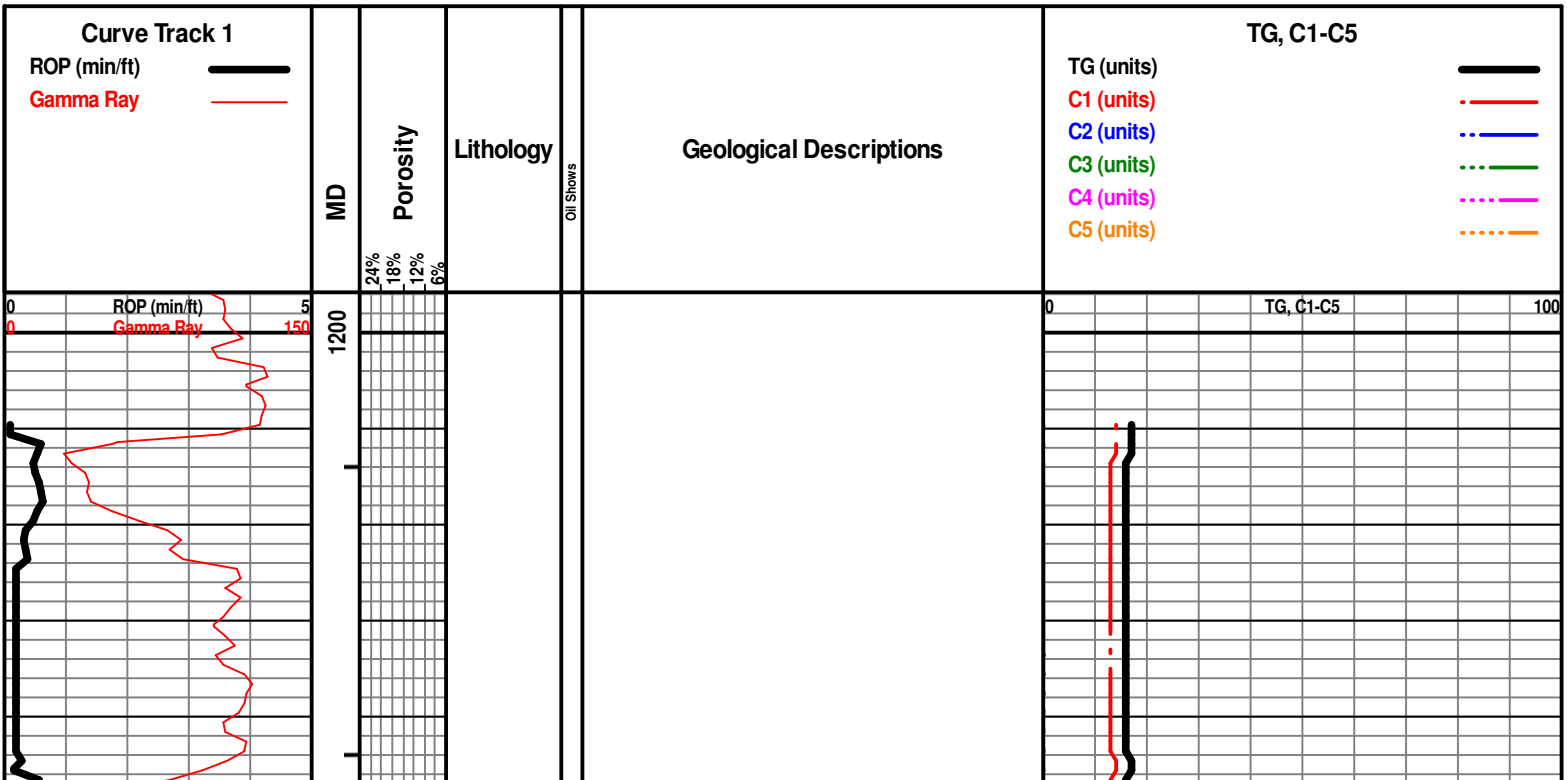
- Core
- Dst

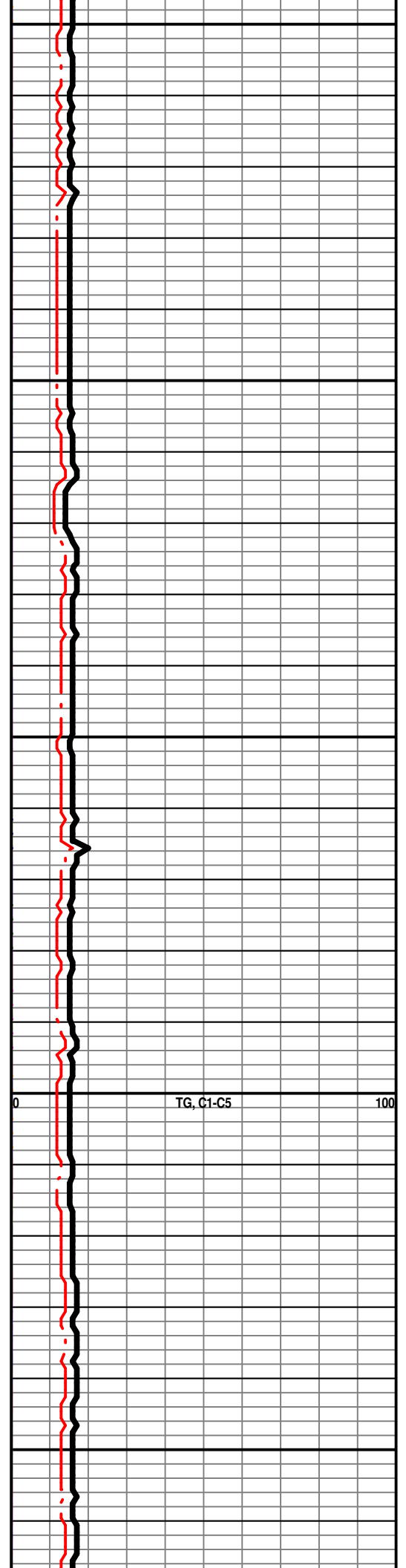
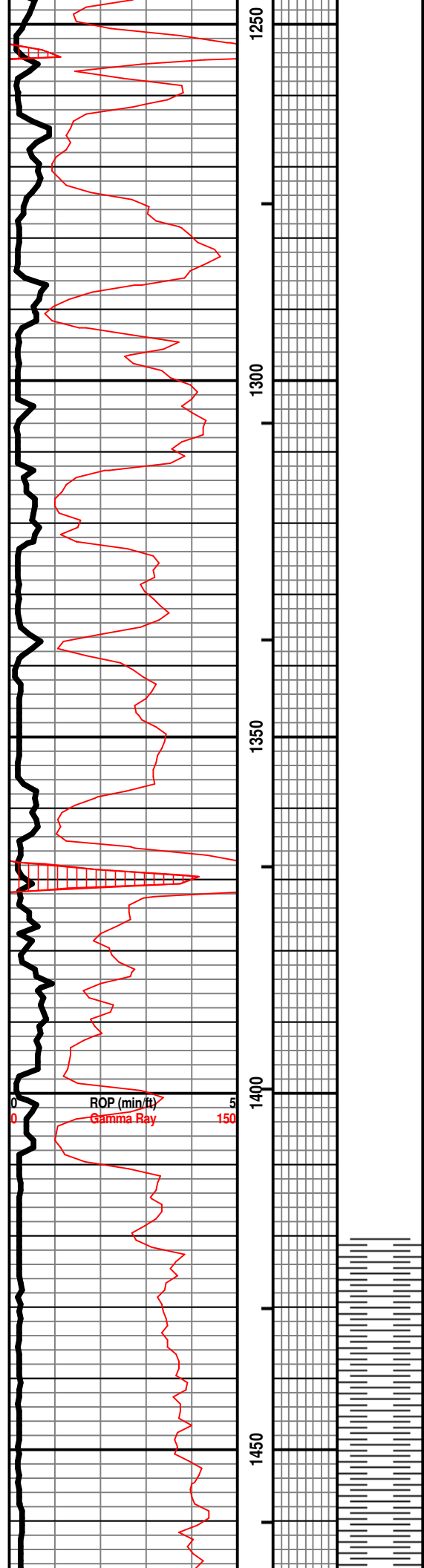


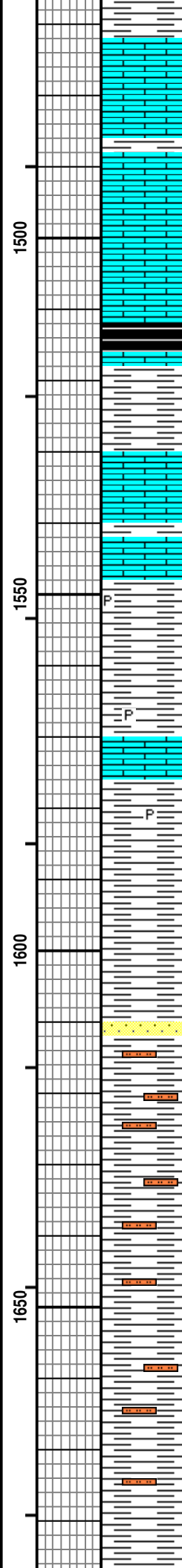
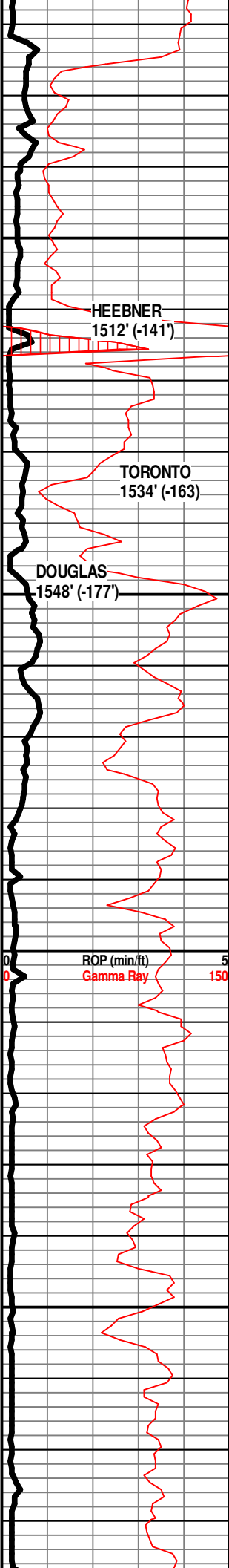
Dst

EVENTS

- Rft
- Sidewall
- Conn







SH - GY / GRN / RD IN PT, W/ LS - CRM / TAN, F / VF XLN, PRED DNS / SUBCHKY IN PT, FOSS

LS - BRN / TAN, F / M XLN, V DNS / DNS, FOSS IN PT

SH - BLK, CARB, W/ SH - LT GY / GY, V SOFT IN PT, LMY IN PT

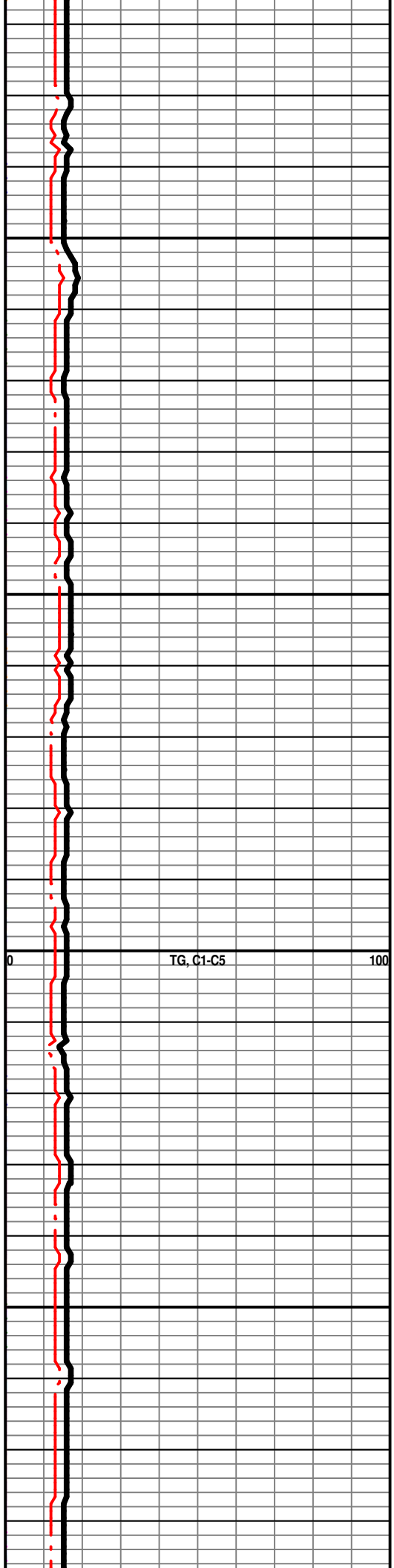
SH - GY / GRN, PYRITIC IN PT, W/ LS - TAN / CRM, F XLN, DNS / MOD DNS, FOSS

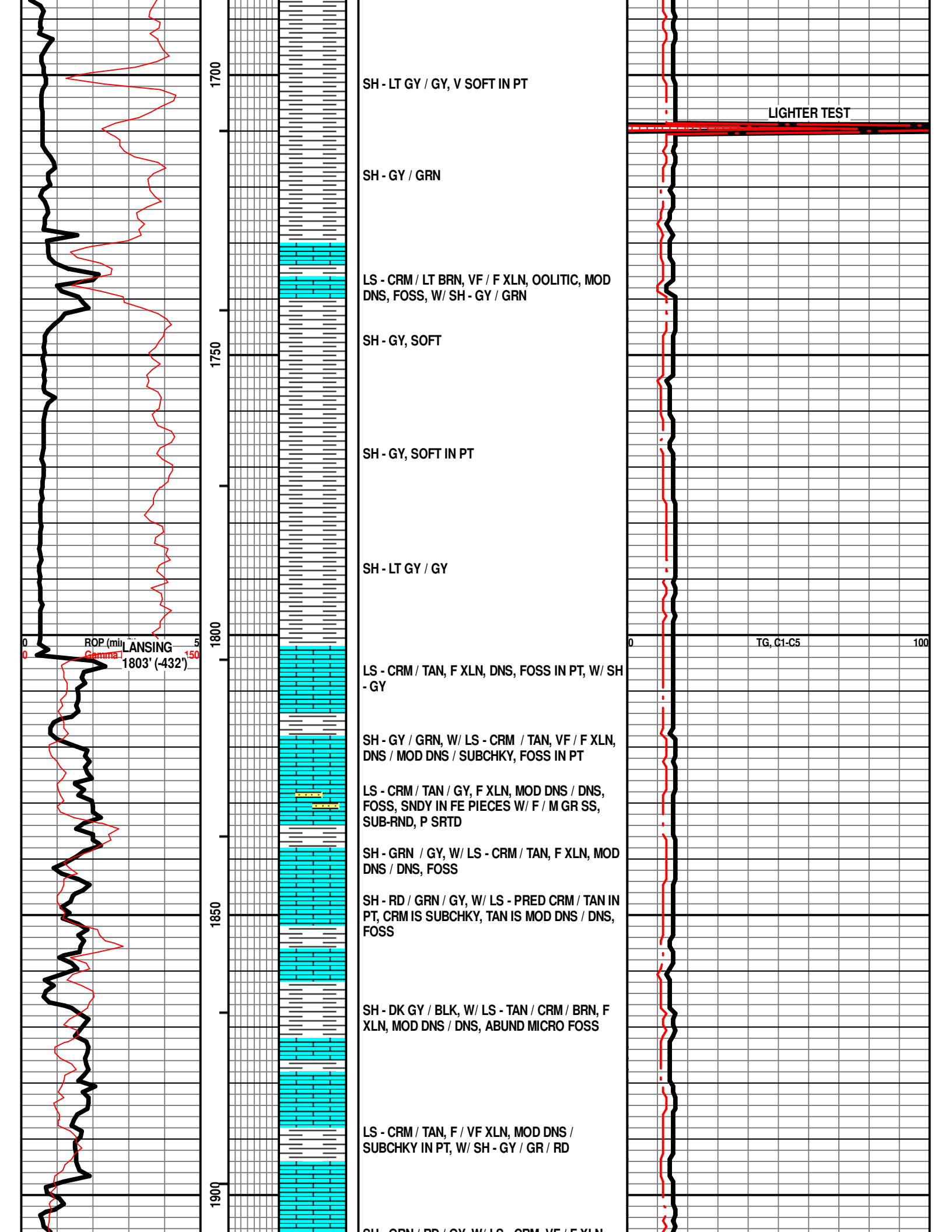
SH - LT GY / GY, SOFT IN PT, PYRITIC IN PT, W/ LS - BRN / TAN, F XLN, DNS, FOSS IN PT

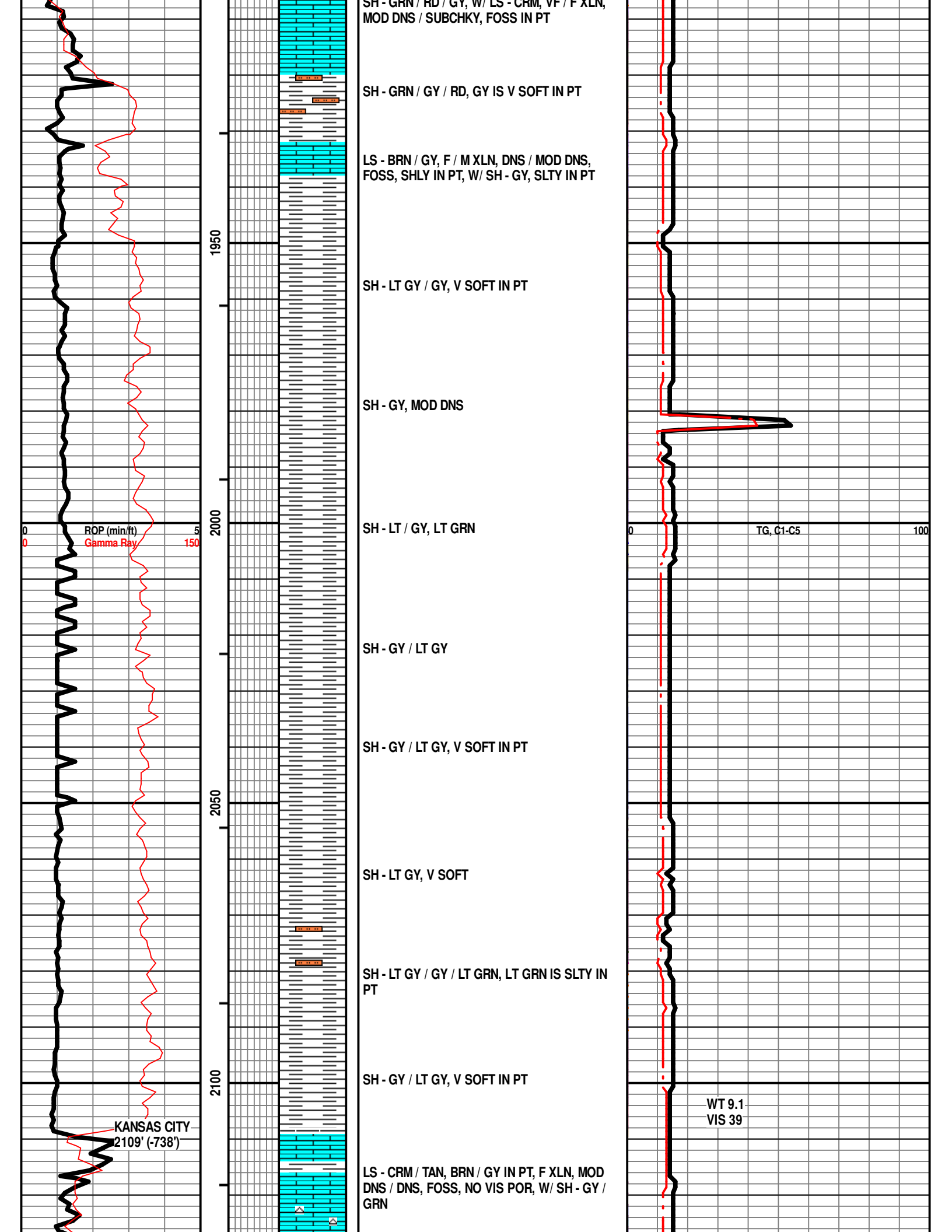
SH - GY, SLTY IN PT, W/ SCAT SS - CLR / GY, VF GR, SUB-RND, W SRTD, P CEM, FRI, GLAUC

SH - PRED GY / GRN IN PT, SLTY IN PT

SH - GY, SLTY IN PT







SH - GRN / RD / GY, W/ LS - CRM, VF / F XLN, MOD DNS / SUBCHKY, FOSS IN PT

SH - GRN / GY / RD, GY IS V SOFT IN PT

LS - BRN / GY, F / M XLN, DNS / MOD DNS, FOSS, SHLY IN PT, W/ SH - GY, SLTY IN PT

1950

SH - LT GY / GY, V SOFT IN PT

SH - GY, MOD DNS

2000

SH - LT / GY, LT GRN

SH - GY / LT GY

SH - GY / LT GY, V SOFT IN PT

2050

SH - LT GY, V SOFT

SH - LT GY / GY / LT GRN, LT GRN IS SLTY IN PT

2100

SH - GY / LT GY, V SOFT IN PT

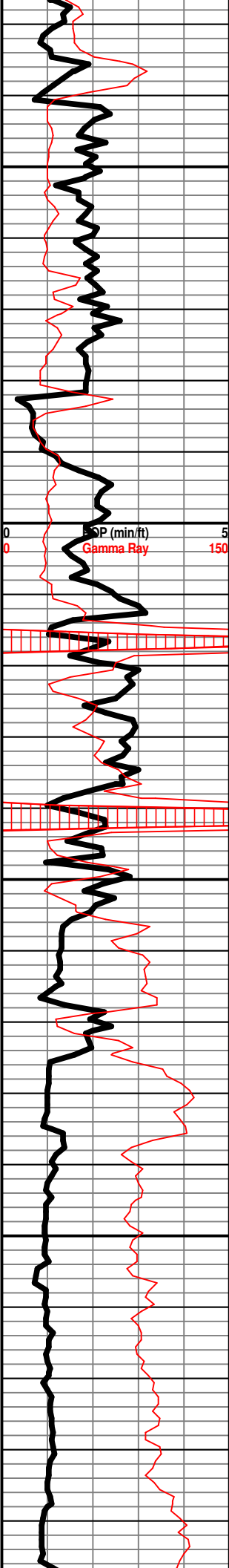
KANSAS CITY - 2109' (-738')

LS - CRM / TAN, BRN / GY IN PT, F XLN, MOD DNS / DNS, FOSS, NO VIS POR, W/ SH - GY / GRN

WT 9.1
VIS 39

ROP (min/ft)
Gamma Ray

TG, C1-C5



2150
2200
2250
2300



LS - CRM / TAN / WHT, F / VF XLN, PRED DNS / MOD DNS, SUBCHKY / CHKY IN PT, FOSS IN PT, W/ CHT - TAN, FRSH, SLI TRANSLUCNT, W/ SH - GRN / GY

LS - CRM / TAN, F XLN, DNS / MOD DNS, FOSS

LS - CRM / WHT IN PT, VF / F XLN, PRED MOD DNS, SUBCHKY / CHKY IN PT, FOSS IN PT

SH - GRN / GY, W/ LS - TAN, F XLN, MOD DNS / DNS, FOSS

SH - BLK, V SLI CARB, W/ LS - TAN, F / M XLN, MOD DNS / DNS, FOSS

LS - CRM / TAN, F / VF XLN, DNS / MOD DNS / SUBCHKY, FOSS IN PT

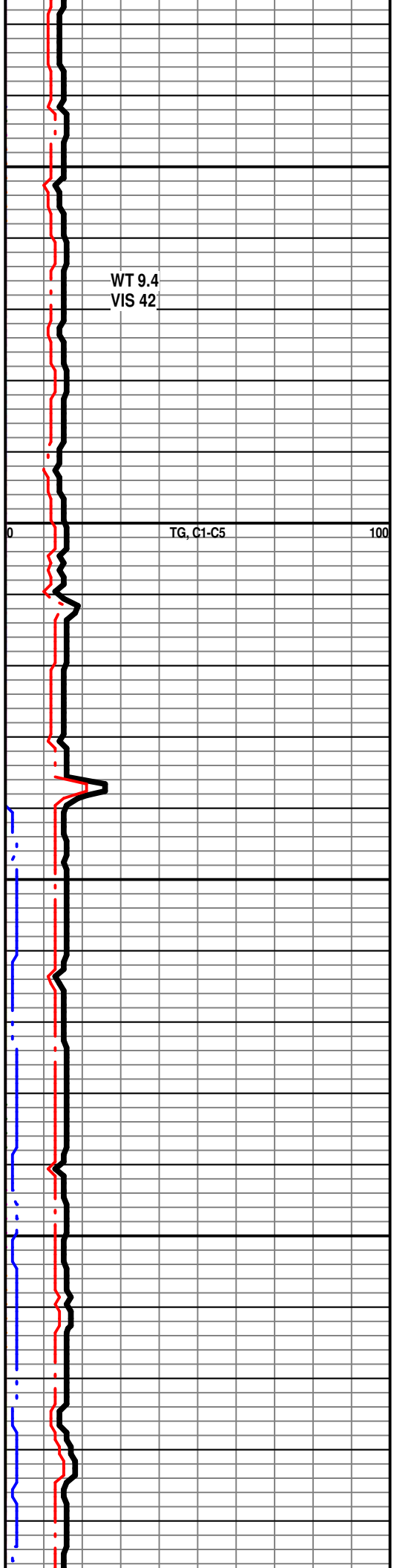
SH - BLK, CARB, W/ LS - PRED CRM, TAN / BRN IN PT, PRED VF XLN, F / M XLN IN PT, PRED SUBCHKY, MOD DNS / DNS IN PT, W/ SH - RD / GRN / GY

SH - LT GY, V SOFT, W/ LS - TAN, F XLN, MOD DNS / DNS, ABUND FOSS

SH - GRN / GY, SOFT, W/ LS - BRN, F XLN, MOD DNS / DNS, ABUND FOSS

SH - LT GY, SLTY IN PT, SOFT

SH - LT GY, V SOFT

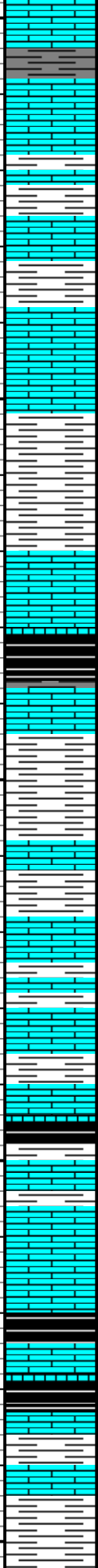
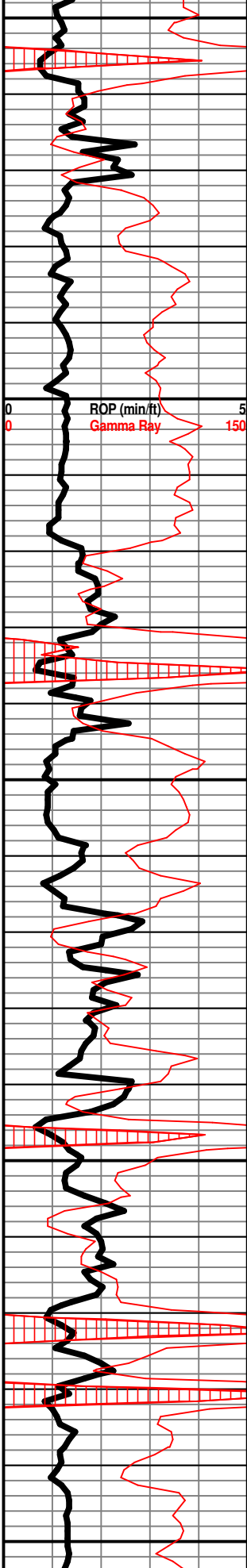


WT 9.4
VIS 42

TG, C1-C5

100

2350
2400
2450
2500
2550



SH - DK GY, W/ LS - CRM, F XLN, MOD DNS
DNS, FOSS IN PT, SHLY IN PT

LS - CRM / TAN, F XLN, MOD DNS / DNS, ABUND
FOSS, W/ SH - GY / GRN

SH - LT GY, V SOFT

SH - BLK, CARB, W/ LS - TAN / BRN, F XLN,
MOD DNS / DNS, FOSS

SH - GY / LT GRN IN PT, V SOFT

LS - TAN, F XLN, MOD DNS / DNS, SUBCHKY IN
PT, FOSS, W/ SH - GY

SH - BLK, CARB, W/ LS - TAN / CRM, F XLN,
MOD DNS, FOSS, W/ SH - GRN GY

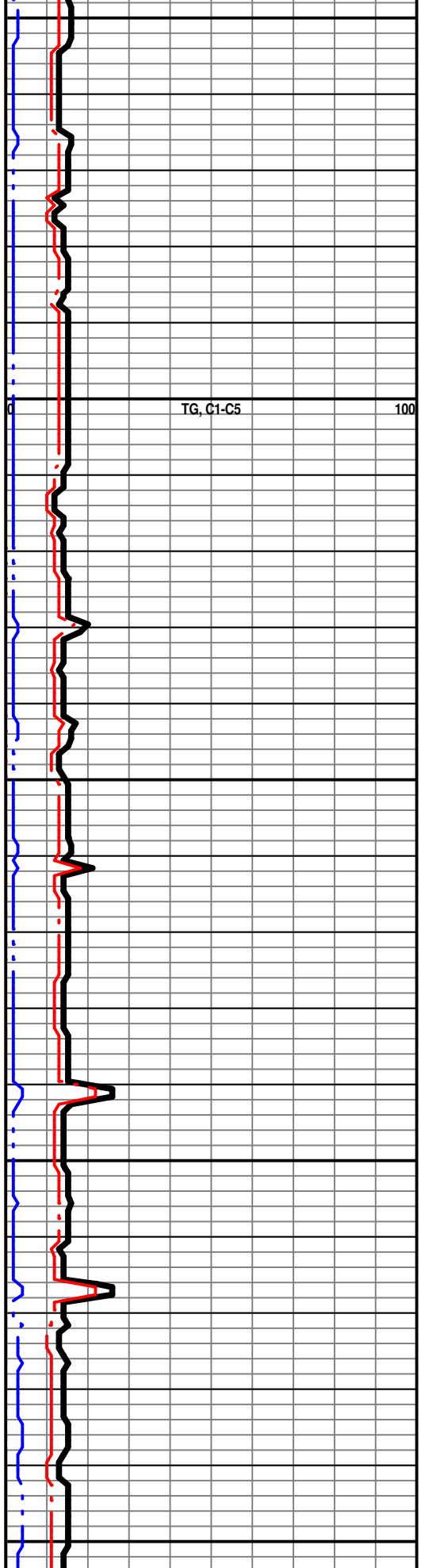
SH - BLK, CARB, W/ LS - CRM / TAN / BRN, F / M
XLN, MOD DNS / DNS, FOSS, W/ SH - GRN GY

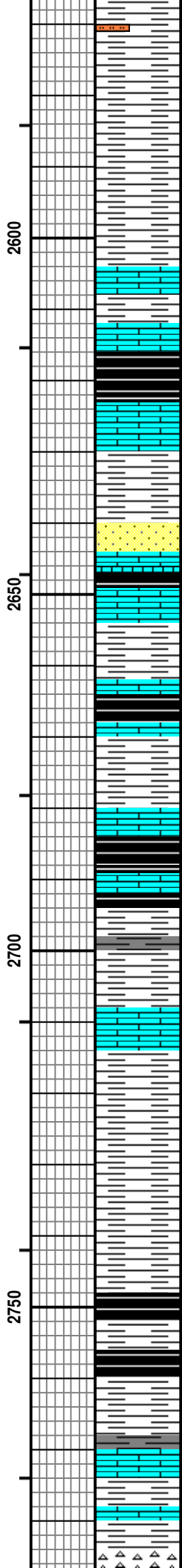
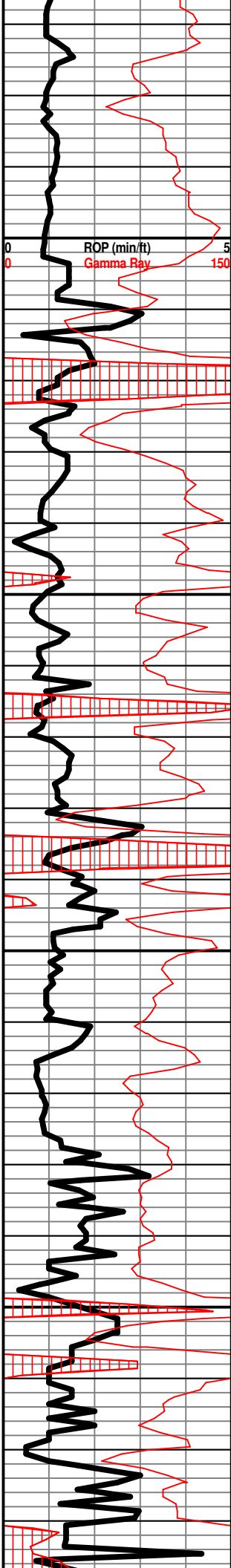
SH - BLK, CARB, W/ LS - TAN / GY / CRM IN PT,
F XLN, MOD DNS / DNS / FOSS, W/ SH - GY /
GRN / RD

LS - TAN / LT BRN, F / M XLN, MOD DNS / DNS,
FOSS, W/ SH - BLK, CARB, W/ SH - LT GY / LT
GRN

SH - LT GY, V SOFT

TG, C1-C5 100





SH - LT GY, PRED V SOFT, DNS ANS SLTY IN PT

SH - LT GY / GY, V SOFT IN PT

LS - TAN / GY / BRN, F XLN, MOD DNS / DNS, ABUND FOSS, W/ SH - GY / GRN IN PT

SH - BLK, CARB, W/ SH - GY / GRN, W/ LS - BRN / TAN, F XLN, MOD DNS / DNS, ABUND FOSS

SS - CLR / GY, VF GR, SUB- ANG, MOD SRTEG, W CEM, DNS, SHLY IN PT, W/ SH - GY

SH - BLK, CAR, W/ SH - GY

SH - BLK, CARB

SH - GY / GRN, W/ LS - BRN, M XLN, V DNS, FOSS

SH - BLK, CARB, W/ SH - GRN / GY / BRN

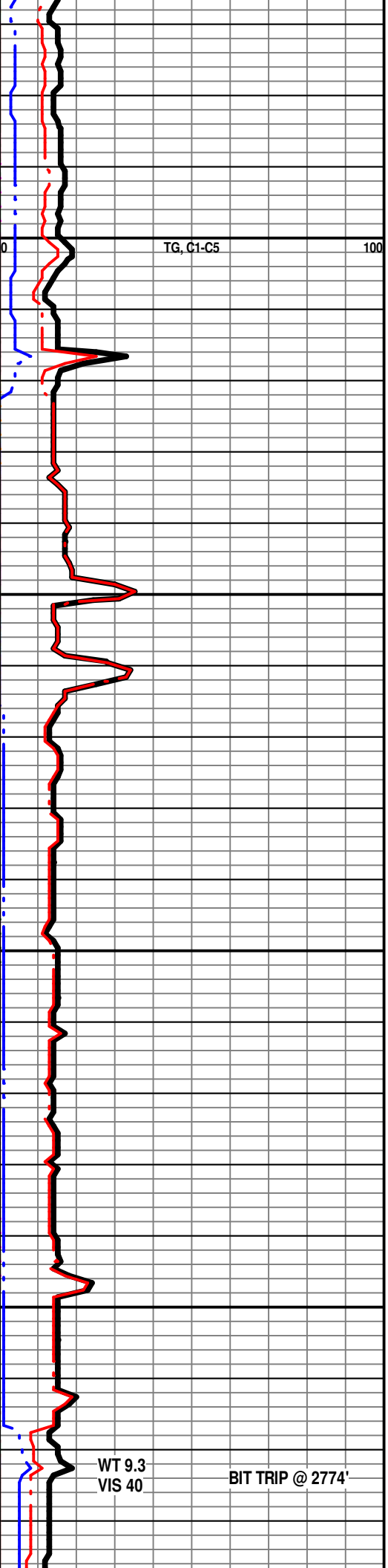
SH - GY / GRN, W/ LS - TAN, F / M XLN, DNS, FOSS

SH - GRN / YEL / GY

SH - BLK, CARB, W/ SH - GRN / GY, W/ SCAT LS - GY / TAN, F / M XLN, DNS, FOSS

LS - BRN / TAN / CRM, F / M XLN, DNS, FOSS IN PT

LS - WHT / CRM, V CHKY, W/ SH - GRN / GY



2600

2650

2700

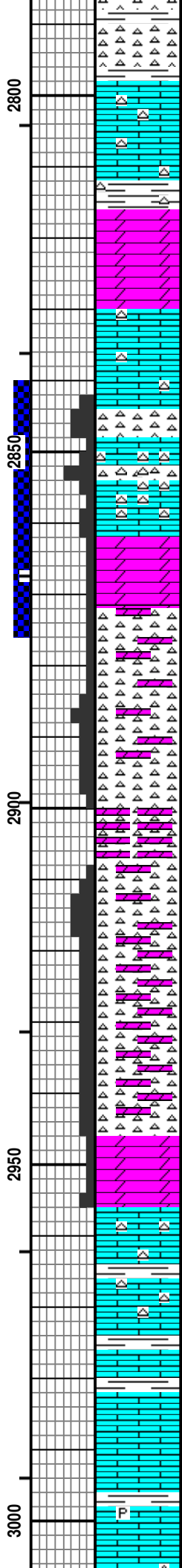
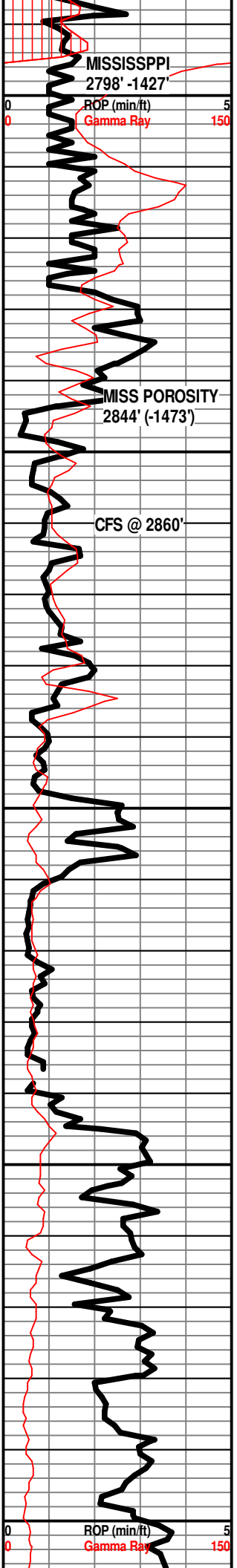
2750

ROP (min/ft)
Gamma Ray

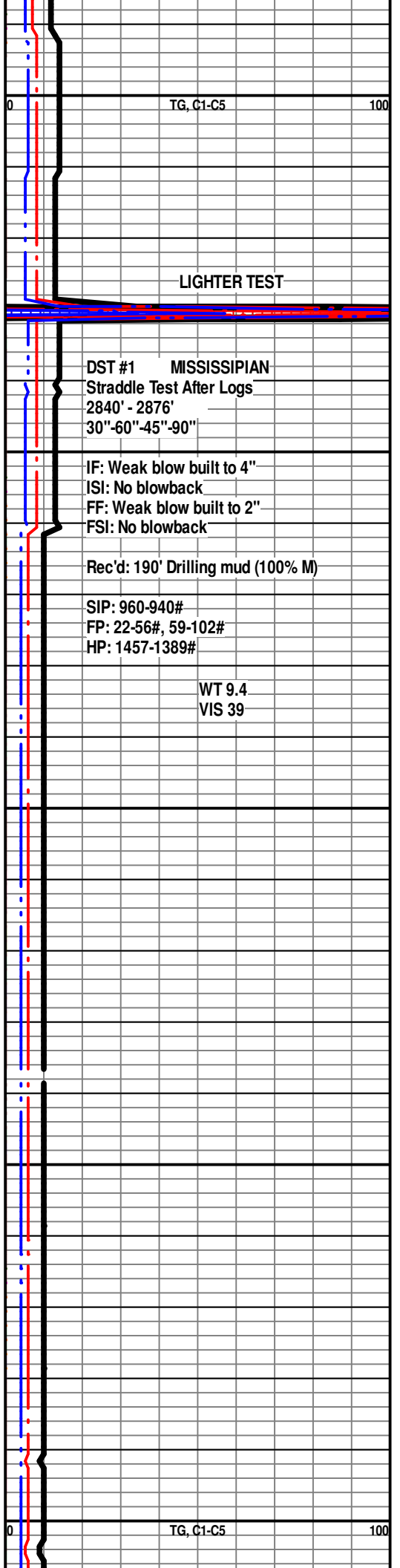
TG, C1-C5

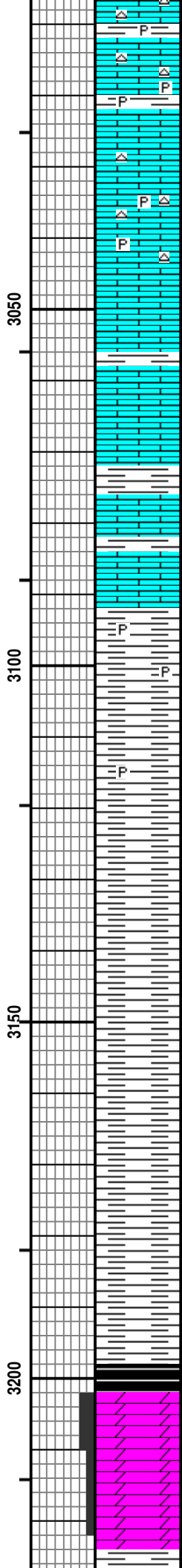
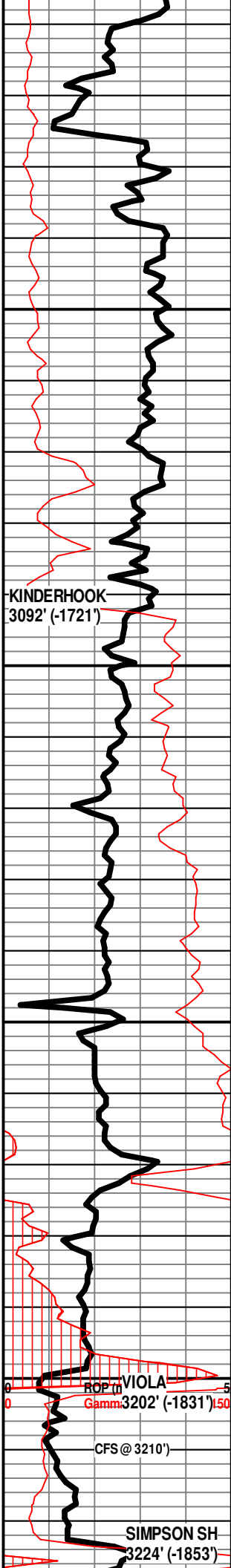
WT 9.3
VIS 40

BIT TRIP @ 2774'



CHT - WHT, VP WEATH POR IN PT, NS, NO ODOR, OPAQ, LMY IN PT, W/ SH - GRN / GY
 SH - GRN / GY
 LS - CRM / WHT, VF XLN, MOD DNS / DNS, CHTY, FOSS
 DOLO - BRN, VF XLN, MOD DNS, NO VIS POR, NS
 LS - WHT / CRM, VF XLN, SUBCHKY / MOD DNS, CHTY IN PT
 LS - CRM / WHT, F XLN, V CHTY, WEATH IN PT, FRSH IN PT, TRIPOLITIC IN PT, F INTERXLN & WEATH POR IN PT, NS, NO ODOR, DULL YEL-GRN MINERAL FLUOR
 DOLO - TAN / LT BRN, VF XLN, MOD DNS, P INTERXLN POR, NS, NO ODOR, V DULL FLUOR
 CHT - WHT, OPAQ, F WEATH POR, NS, NO ODOR, SLI YEL-GRN FLUOR, FEW TRIPOLITIC PIECES, W/ SCAT DOLO - TAN, VF XLN, SUBCHKY / CHKY
 CHT - WHT, OPAQ, P / F WEATH POR, NS, NO ODOR, DULL FLUOR, DOLOMITIC
 CHT - WHT / CRM / TAN, PRED FRSH, V DOLOMITIC, V DNS, NO VIS POR, NS
 CHT - WHT, OPAQ, F / G WEATH POR, NS, DOLOMITIC, SLI FLUOR
 CHT - WHT, OPAQ, P / F WEATH POR, FRSH IN PT, NS, NO ODOR, MOD DOLOMITIC, SLI FLUOR
 DOLO - TAN, F XLN, MOD DNS, P INTERXLN POR IN PT, NS, NO ODOR, BRI YEL-GRN MINERAL FLUOR
 LS - CRM / TAN / WHT, VF / F XLN, MOD DNS / SUBCHKY / CHKY IN PT, NO VIS POR, NS, NO ODOR, SLI FLUOR, W/ SCAT CHT - GY / TAN, PRED OPAQ, TRANSLUCNT IN PT, FRSH, PYRITIC IN PT, W/ SH - GRN / GY
 LS - CRM / WHT, VF XLN, SUBCHKY / CHKY, W/ SH - GRN / GY, FOSS IN PT
 LS - GY / TAN, F XLN, MOD DNS / DNS, FOSS, W/ SH - GY / GRN, PYRITIC IN PT





LS - GY / TAN / CRM, F / VF XLN, DNS / MOD DNS / SUBCHKY, FEW PIECES OF SCAT CHT - GY, SLI TRANSLUCNT FRSH, W/ SH - LT BRN / GRN / GY, PYRITIC IN PT

LS - CRM / TAN / WHT, VF / F XLN, SUBCHKY / CHKY, MOD DNS IN PT, FOSS IN PT, W/ SCAT CHT - GY / WHT, FRSH, SLI TRANSLUCNT, W/ SCAT PYRITE

LS - CRM / TAN, F / VF XLN, SUBCHKY / MOD DNS, FOSS IN PT, W/ SH - GRN / GY / BLK

SH - GRN / GY / BLK, W/ LS - CRM / WHT, VF / F XLN, SUBCHKY / CHKY, MOD DNS IN PT, FOSS IN PT

SH - GRN / GY / DK GY, W/ SCAT PYRITE CLUSTERS

SH - GY / GRN / BLK, SCAT PYRITE IN PT

SH - DK GY / GY / GRN

SH - GRN / GY / DK GY

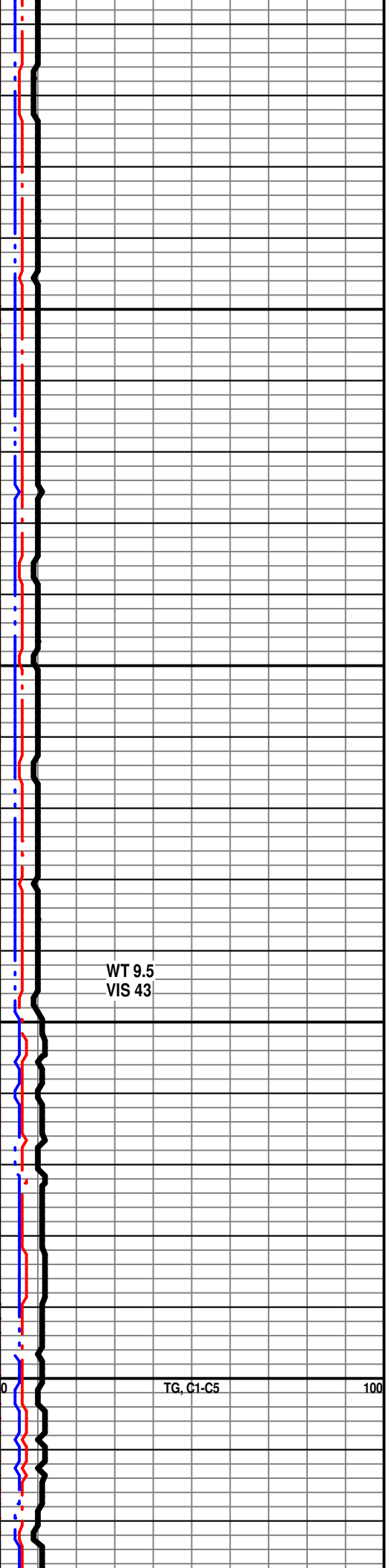
SH - GY / DK GY

SH - DK GY / BLK

DOLO - CRM, VF / F XLN, F INTERXLN POR, MOD DNS / DNS IN FEW PIECES, NS, NO ODOR, MOD YEL-GRN FLUOR

DOLO - CRM / TAN, VF / F XLN, P INTERXLN POR IN PT, RHOMBIC IN PT, NS, NO ODOR

SH - GRN / GY



WT 9.5
VIS 43

TG, C1-C5

100

SH - GRN / GY

DOLO - BRN / TAN IN PT, F / M XLN, V DNS / DNS, ABUND OF SCATY PYRITE CLUSTERS

DOLO - BRN / TAN, F XLN, V DNS / DNS, SNDY IN PT, W/ VF / F GR SS - CLR, SUB-RND

SS - TAN / GY / CLR, VF / F / M GR, SUB-RND, MOD SRTED, P / F INTERGR POR, G INTERGR POR IN PT, FRI IN FEW PIECES, SHLY IN PT, NS, NO ODOR, V DULL FLUOR

SS - CLR, VF / F GR, SUB-RND, W SRTD, P / F INTERGR POR, NS

SH - LT GRN / LT GY, V SOFT, W/ SS - CLR, VF GR, SUB RND, W SRTED, MOD DNS / DNS, P INTERGR POR IN PT, NS, NO ODOR

SH - LT GRN / LT GY, V SOFT

SH - LT GRN, V SOFT

DOLO - GY, M XLN, DNS, P INTERXLN POR IN PT, NS, NO ODOR, SLI YEL-GRN FLUOR

DOLO - GY / TAN, F / M XLN, MOD DNS / DNS, P / F INTERXLN POR IN PT, NS, NO ODOR

DOLO - GY / TAN / WHT, F / VF XLN, DNS / MOD DNS / CHKY IN PT, NS, NO ODOR, P INTERXLN POR IN PT

DOLO - WHT / TAN / GY, VF / F XLN, PRED CHKY, MOD DNS / DNS IN PT, NS, NO ODOR, NO VIS POR

DOLO - TAN / GY, VF / F XLN, P / F INTERXLN POR, FOSS IN PT, NS, NO ODOR

RTD 3350'

W 9.5
VIS 58

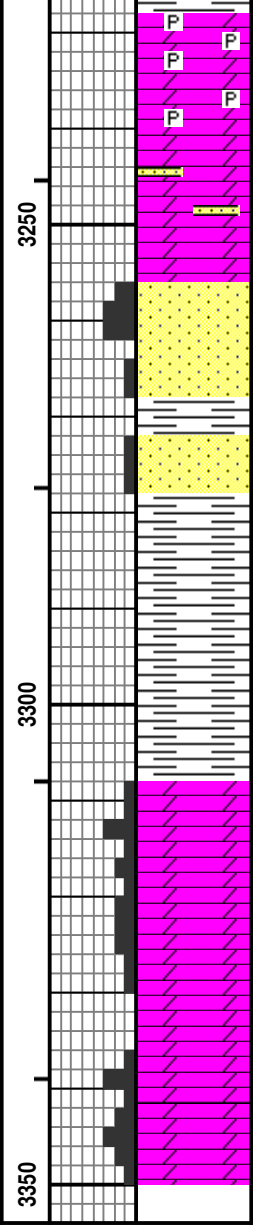
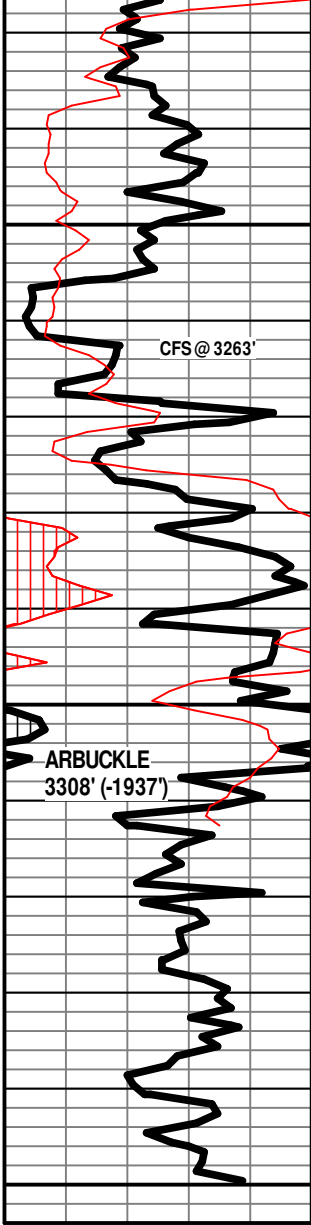
3250

3300

3350

CFS @ 3263'

ARBUCKLE
3308' (-1937')



DOLO - BRN / TAN IN PT, F / M XLN, V DNS / DNS, ABUND OF SCATY PYRITE CLUSTERS

DOLO - BRN / TAN, F XLN, V DNS / DNS, SNDY IN PT, W/ VF / F GR SS - CLR, SUB-RND

SS - TAN / GY / CLR, VF / F / M GR, SUB-RND, MOD SRTED, P / F INTERGR POR, G INTERGR POR IN PT, FRI IN FEW PIECES, SHLY IN PT, NS, NO ODOR, V DULL FLUOR

SS - CLR, VF / F GR, SUB-RND, W SRTD, P / F INTERGR POR, NS

SH - LT GRN / LT GY, V SOFT, W/ SS - CLR, VF GR, SUB RND, W SRTED, MOD DNS / DNS, P INTERGR POR IN PT, NS, NO ODOR

SH - LT GRN / LT GY, V SOFT

SH - LT GRN, V SOFT

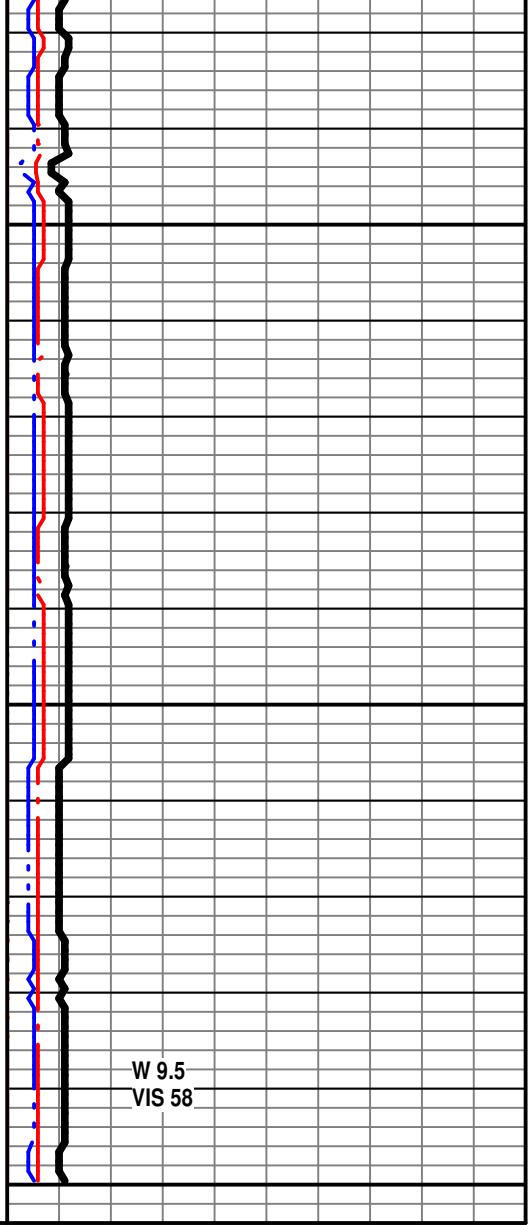
DOLO - GY, M XLN, DNS, P INTERXLN POR IN PT, NS, NO ODOR, SLI YEL-GRN FLUOR

DOLO - GY / TAN, F / M XLN, MOD DNS / DNS, P / F INTERXLN POR IN PT, NS, NO ODOR

DOLO - GY / TAN / WHT, F / VF XLN, DNS / MOD DNS / CHKY IN PT, NS, NO ODOR, P INTERXLN POR IN PT

DOLO - WHT / TAN / GY, VF / F XLN, PRED CHKY, MOD DNS / DNS IN PT, NS, NO ODOR, NO VIS POR

DOLO - TAN / GY, VF / F XLN, P / F INTERXLN POR, FOSS IN PT, NS, NO ODOR



810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **4844**
 Foreman Kevin McCoy
 Camp EUREKA

API # 15-015-24137-00-00

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
11-20-19	1362	Stackley # 2	16	24S	6E	Butler	Ks
Customer	Mailing Address		Unit #	Driver	Unit #	Driver	
Blue OX PARTNER'S LLC	1123 South Huron Street Unit V		104	ALAN M.			
City	State	Zip Code	115	Josh V.			
Denver	Co	80223-3106					

Job Type SURFACE Hole Depth 232' K.B. Slurry Vol. 30 BBL Tubing _____
 Casing Depth 212' G.L. Hole Size 12 1/4" Slurry Wt. 15.* Drill Pipe _____
 Casing Size & Wt. 8 5/8 23* Cement Left in Casing 15' Water Gal/SK _____ Other _____
 Displacement 13.4 BBL Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting: Rig up to 8 5/8 casing. BREAK CIRCULATION w/ 10 BBL FRESH WATER. MIXED 130 SKS CLASS 'A' CEMENT w/ 3% CaCl2, 2% GEL, 1/4" FLOSEAL /SK @ 15"/GAL = 30 BBL SLURRY. DISPLACE w/ 13.4 BBL FRESH WATER. SHUT CASING IN. GOOD CEMENT RETURNS TO SURFACE = 5 BBL SLURRY TO PIT. JOB COMPLETE. RIG DOWN.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	890.00	890.00
C 107	30	Mileage	4.20	126.00
C 200	130 SKS	CLASS 'A' CEMENT	15.75	2047.50
C 205	370 #	CaCl2 3%	.63 #	233.10
C 206	250 #	GEL 2%	.21 #	52.50
C 209	32 #	FLOSEAL 1/4" /SK	2.35 #	75.20
C 108 A	6.11 TONS	TON MILEAGE	M/C	365.00
<u>THANK YOU</u> <u>MA</u>			Sub TOTAL	3789.30
			Sales Tax 6.5%	156.54
Authorization <u>By Charlie Coulter</u>	Title <u>Light House Dir.</u>	Total	3945.84	

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blue Ox Partners, LLC
1123 S. Huron ST. Unit V
Denver, CO
80223-3106
ATTN: Peter Blair/Aaron Yo

16/24S/6E Butler, Ks.
Stackley #2
Job Ticket: 65413 **DST#: 1**
Test Start: 2019.11.25 @ 00:46:00

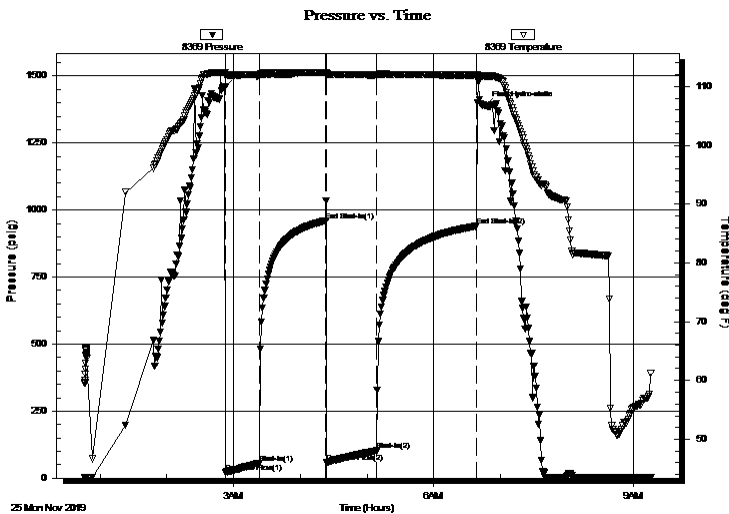
GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:52:40
Time Test Ended: 09:15:30
Interval: 2840.00 ft (KB) To 2876.00 ft (KB) (TVD)
Total Depth: 3350.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Initial)
Tester: Jimmy Ricketts
Unit No: 80
Reference Elevations: 1380.00 ft (KB)
1368.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8369

Press@RunDepth: 102.23 psig @ ft (KB) Capacity: 8000.00 psig
Start Date: 2019.11.25 End Date: 2019.11.25 Last Calib.: 1899.12.30
Start Time: 00:46:01 End Time: 09:15:30 Time On Btm: 2019.11.25 @ 02:51:40
Time Off Btm: 2019.11.25 @ 06:46:39

TEST COMMENT: IF- Weak blow building to 4 inches during initial shut-in period.
FF - Weak blow building to 2 inches during final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1456.50	112.30	Initial Hydro-static
1	21.74	111.75	Open To Flow (1)
32	55.55	112.04	Shut-In(1)
92	959.91	112.31	End Shut-In(1)
92	58.68	111.99	Open To Flow (2)
138	102.23	111.93	Shut-In(2)
227	940.04	111.92	End Shut-In(2)
235	1389.06	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Drilling Mud 100% M	0.93

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ox Partners, LLC

16/24S/6E Butler, Ks.

1123 S. Huron ST. Unit V
Denver, CO
80223-3106

Stackley #2

Job Ticket: 65413

DST#: 1

ATTN: Peter Blair/Aaron Yo

Test Start: 2019.11.25 @ 00:46:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	Drilling Mud 100% M	0.934

Total Length: 190.00 ft Total Volume: 0.934 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

