

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
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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
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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:	
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Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	STOCKWELL 1
Doc ID	1456791

Tops

Name	Top	Datum
Elgin Sand SD	3440	-1870
Heebner Shale	3620	-2050
Lansing	3752	-2182
Stark Shale	4122	-2552
Mississippian Chert	4322	-2752
Mississippian LS	4346	-2776
Kinderhook Shale	4458	-2888
Viola	4585	-3012
Base of Viola	4668	-3098
Simpson Sand	4696	-3126
Total Dept	4770	N/A



PAGE 1 of 1	CUST NO 1000719	YARD # 1718	INVOICE DATE 03/07/2019
INVOICE NUMBER 92925610			

Pratt (620) 672-1201
 B CHIEFTAIN OIL COMPANY
 L PO Box: 124
 L KIOWA
 T KS US 67070
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Stockwell #1
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41164502			Net 30 days	04/06/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/06/2019 to 03/06/2019</i>				
0041164502				
171817756A Cement-New Well Casing/Pi 03/06/2019				
8 5/8" Surface Casing				
60/40 POZ	300.00	EA	6.84	2,052.00 T
75 Lb. - Celloflake	1.00	LB	158.70	158.70 T
774 Lb. - Calcium Chloride	1.00	LB	463.24	463.24 T
Top Rubber Cement Plug, 8 5/8"	1.00	EA	128.25	128.25 T
Sugar	100.00	LB	2.85	285.00 T
25 Miles - Unit Mileage Chg	1.00	MI	64.13	64.13 T
50 Miles - Heavy Equipment Mileage	1.00	MI	213.75	213.75 T
323 Tr/Mi-Proppant & Bulk Del. Chg.	1.00	EA	459.03	459.03 T
Depth Charge; 0-500'	1.00	EA	570.00	570.00 T
300 Sk.-Blending & Mixing Service Charge	1.00	BAG	239.40	239.40 T
Plug Container Utilization Charge	1.00	EA	142.50	142.50 T
"Service Supervisor, first 8 hrs on loc.	1.00	EA	99.75	99.75 T

ENTERED
 MAR 20 2019
 BY: 9121 BC

PLEASE REMIT TO: BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	SEND OTHER CORRESPONDENCE TO: BASIC ENERGY SERVICES, LP 801 CHERRY ST, STE 2100 FORT WORTH, TX 76102	SUB TOTAL TAX INVOICE TOTAL	4,875.75 221.92 5,097.67
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JM

Customer Chieftain Oil Company	Lease No.	Date 3-6-19
Lease Stocwell	Well # 1	
Field Order # 17756	Station Pratt Kansas 1718	Casing 4.625
		Depth 312.43
		County Barber
		State KS
Type Job 4.625 surface casing 2-42	Formation	Legal Description 36-219-12W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
4.625				Pre Pad	Max		5 Min.	
Depth 12.112	Depth	From	To	Pad	Min		10 Min.	
Volume 20	Volume	From	To	Frac	Avg		15 Min.	
Max Press 500	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection 80	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth	Packer Depth	From	To					

Customer Representative Ryan Molz	Station Manager Sustan Westerman	Treater Fearis (GALTIM)
Service Units 73864 77686 86779 19903 19862		
Driver Names Fearis Mike Mike Work Work		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0900					Arrived on location / Safety meeting
0930					Rig up equipment
					TOTAL PIPE RAN - 312.43' shoe - 20' NO Baffle
					Plate RAN Per Tool Pusher
1029	140		5	5	Pump H2O Ahead
1030	390		0	6	Start mixing 60/40 Poz @ 14.8pphr
1037	390		32.5	6	150 st 60/40 Poz away @ 14.8pphr
1043	300		65	5	300 st 60/40 Poz away @ 14.8pphr 9/D
1049	110		0	6	D/D start H2O displacement
1053	120		16.7	6	End H2O displacement
1054	120				shut in head with 120PSI!!
1130					Rig down, Leave location.
					Saw cement @ last 6 bbls of mix placement
					26 bbls / 120 st cement To P.F.
					HTC - 315' Top - Surface

David A. Barker

CONSULTING GEOLOGIST

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

Well Name: #1 Stockwell
Well Id: 15-007-24345
Location: 36-T31S-R12W
License Number:
Spud Date: 3-05-2019
Surface Coordinates: 770' FNL & 1050' FWL

Region: Barber County, Kansas
Drilling Completed: 3/11/2019

Bottom Hole
Coordinates:
Ground Elevation (ft): 1357 K.B. Elevation (ft): 1570
Logged Interval (ft): 3200 To: 4770 Total Depth (ft): 4770
Formation: Simpson
Type of Drilling Fluid: chemical

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

OPERATOR

Company: Chieftain Oil Co., Inc.
Address: 605 S. 6th, P.O. Box 124
Kiowa, Kansas 67070

Remarks

At the location of the #1 Stockwell drilling location the Mississippian Chert was thin and poorly developed and lacked commercial oil and gas reservoir. The Mississippian chert oil and gas shows did not warrant drill stem testing this zone. At the well total depth all potentially productive zones, and oil and gas shows were reviewed with the open hole electric log. After this review it was recommended that the #1 Stockwell be plugged and abandoned on 3/11/2019, David Barker

Daily Status

3/05/2019 Spud well at 10:15 P.M., 3/06/2019 set 8 5/8" to 312 with 60/40 poz did circulate, plug down at 11:00 A.M., 3/07/2019, morning depth: 1640, 3/08/2019, morning depth: 2965, 3/09/2019, morning depth: 3775, 3/10/2019, morning depth: 4275, 3/11/2019, morning depth: T.D. 4770, Run electric logs prepare to plug and abandon #1 Stockwell.

GEOLOGIST

Name: David A. Barker
Company:
Address: 212 N. Market, Suite# 320
Wichita, Kansas 67202
(316) 259-4294, 2 Barker@sbcglobal.net

Contractor

Duke Drilling Rig #7, Center Point at Main, 100 S. Main,
Ste 410, Wichita, Kansas 67202-3737

ACCESSORIES

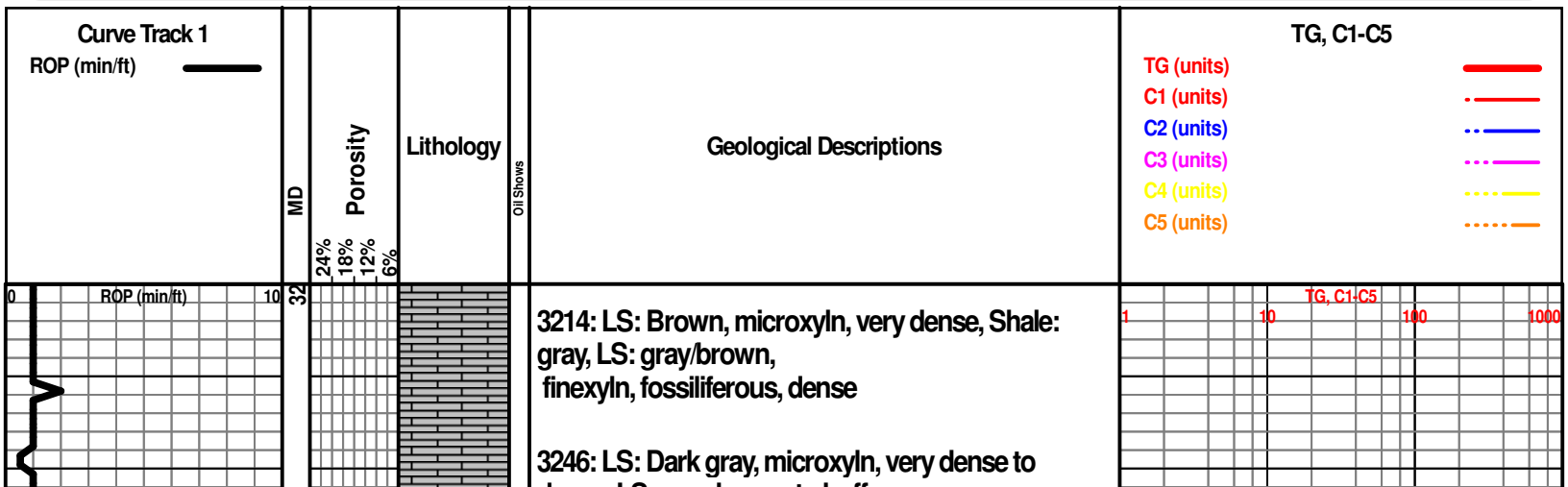
FOSSIL	Pisolite	Ferrpel	Sand	Lms
Algae	Plant	Ferr	Silty	Sandylms
Amph	Strom	Glau		Sh
Belm	Fuss	Gyp		Sltstn
Bioclst	Oomold	Hvymin	STRINGER	
Brach		Kaol	Anhy	TEXTURE
Bryozoa	MINERAL	Marl	Arg	Boundst
Cephal	Anhy	Minxl	Bent	Chalky
Coral	Arggrn	Nodule	Coal	Cryxln
Crin	Arg	Phos	Dol	Earthy
Echin	Bent	Pyr	Gyp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

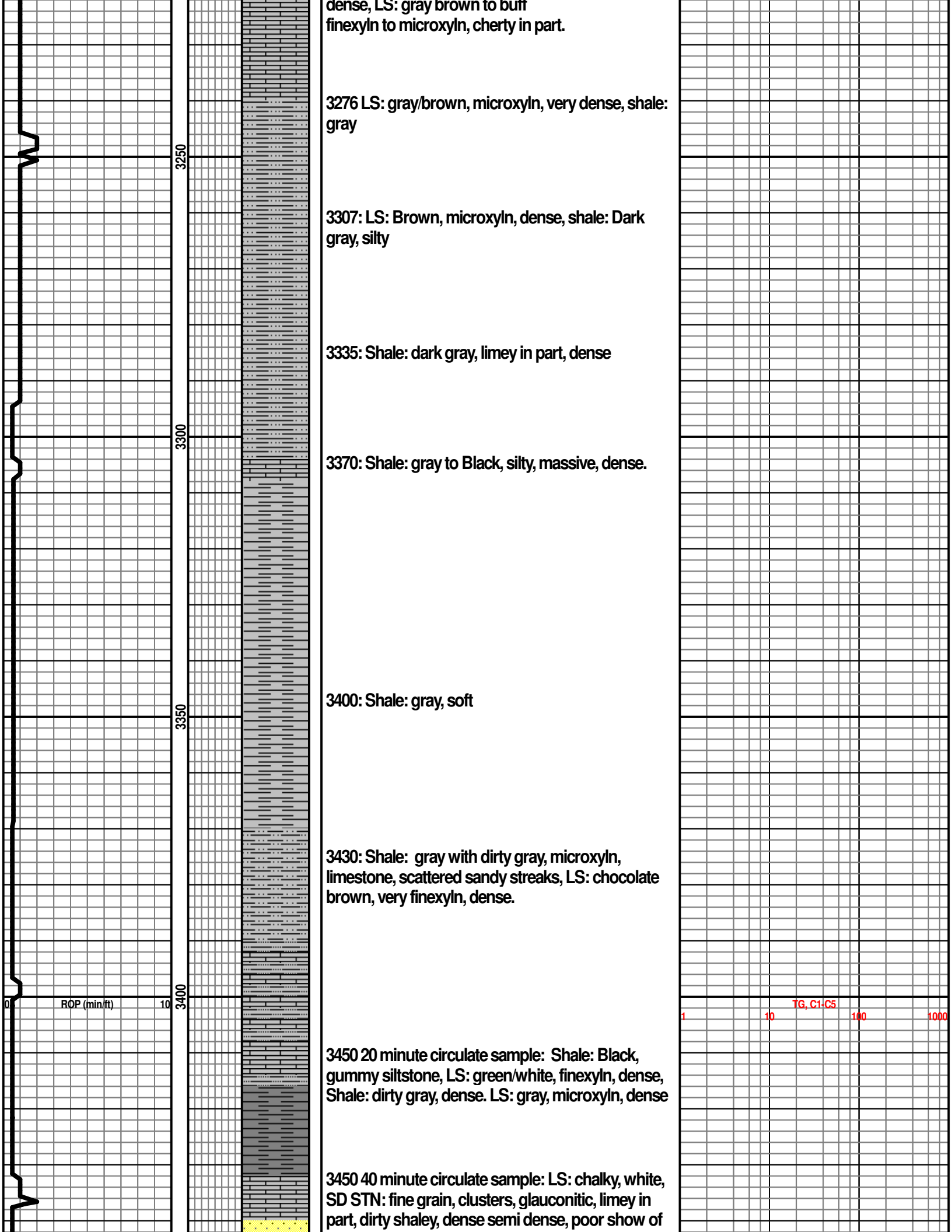
OTHER SYMBOLS

INTERVALS	Fracture	Carb shale	Brown lmst	ROUNDING
Core	Inter	Gray shale	Brown shale	Rounded
Dst	Moldic	Sandy lmst	Brown dol	Subrnd
Dst	Organic	Shale	Brown cream	Subang
EVENTS	Pinpoint	Slt stn	D. green lmst	Angular
Rft	Vuggy	Shaly slst	Light cream lmst	
Sidewall	LITHOLOGY	Sity shale	Gray cream lmst	OIL SHOWS
Cfs	Anhy	Blank	Green dol	Even
Conn	Cht	Gray lmst	Gray dol	Spotted
POROSITY TYPE	Congl	Cream lmst	SORTING	Ques
Earthy	Shale	Red shale	Well	Dead
Fenest	Shgy	Blue-green siltstn	Moderate	Gas show
	Ss	D. green shale	Poor	
		Green shale		

ROCK TYPES

Anhy	Carb shale	Silty shale	D. green shale	D. green lmst
Cht	Gray shale	Blank	Green shale	Light cream lmst
Congl	Sandy lmst	Gray lmst	Brown lmst	Gray cream lmst
Shale	Shale	Cream lmst	Brown shale	Green dol
Shgy	Slt stn	Red shale	Brown dol	Gray dol
Ss	Shaly slst	Blue-green siltstn	Brown cream	





dense, LS: gray brown to buff
finexyln to microxyln, cherty in part.

3276 LS: gray/brown, microxyln, very dense, shale:
gray

3307: LS: Brown, microxyln, dense, shale: Dark
gray, silty

3335: Shale: dark gray, limey in part, dense

3370: Shale: gray to Black, silty, massive, dense.

3400: Shale: gray, soft

3430: Shale: gray with dirty gray, microxyln,
limestone, scattered sandy streaks, LS: chocolate
brown, very finexyln, dense.

3450 20 minute circulate sample: Shale: Black,
gummy siltstone, LS: green/white, finexyln, dense,
Shale: dirty gray, dense. LS: gray, microxyln, dense

3450 40 minute circulate sample: LS: chalky, white,
SD STN: fine grain, clusters, glauconitic, limey in
part, dirty shaley, dense semi dense, poor show of

ROP (min/ft)

TG, C1-C5

1 10 100 1000

gas bubbles when crushed.

Elgin Sand
SD@
3440-1870

3420

3494: sample mostly sluff, Shale: gray to Black with
LS: brown, microxyln, dense, SD.STN: light gray,
dense, fine grain, no show

3525: SD. STN: Fine grain clusters, poor
intergranular porosity, scattered random gas
bubbles.

3500

3556: SD.STN: gray, fine grain, friable with laminar
gray shale streaks

3588: scattered gray siltstone, LS: brown,
microxyln, dense, Shale: gray, dense

3550

3615: LS: white, chalky, Shale: Black

Heebner
Shale@ 3620
-2050

3650: LS: cream to gray/cream, finexyln, sandy in
part, Shale: gray, soft

Toronto LS

ROP (min/ft)

3600

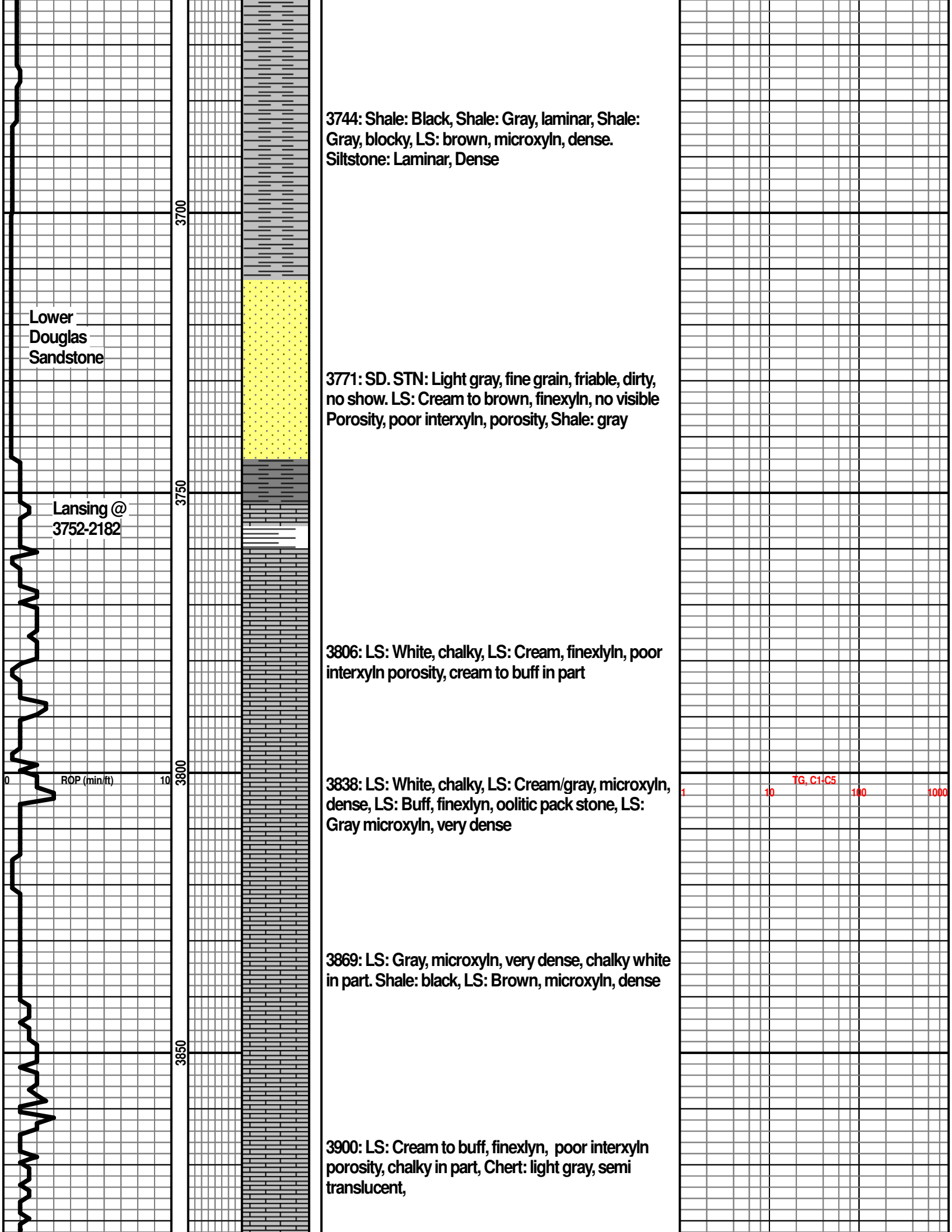
3682: LS: Brown, microxyln, very dense, Shale:
gray to Black. LS: gray/brown, finexyln, dense, LS:
Cream
finexyln, friable.

3650

3713: Shale: Black with silty gray laminar shale
streaks. LS: Dark brown, microxyln, dense

TG, C1-C5

1 10 100 1000



3744: Shale: Black, Shale: Gray, laminar, Shale: Gray, blocky, LS: brown, microxlyn, dense. Siltstone: Laminar, Dense

Lower Douglas Sandstone

3771: SD. STN: Light gray, fine grain, friable, dirty, no show. LS: Cream to brown, finexlyn, no visible Porosity, poor interxlyn, porosity, Shale: gray

Lansing @ 3752-2182

3806: LS: White, chalky, LS: Cream, finexlyn, poor interxlyn porosity, cream to buff in part

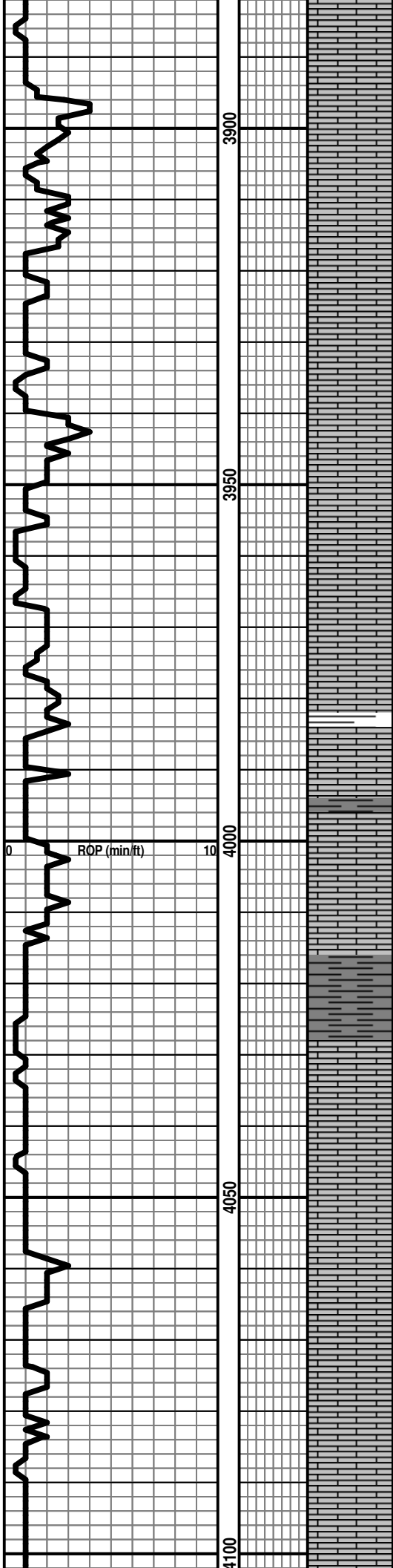
ROP (min/ft)

3838: LS: White, chalky, LS: Cream/gray, microxlyn, dense, LS: Buff, finexlyn, oolitic pack stone, LS: Gray microxlyn, very dense

TG, C1-C5

3869: LS: Gray, microxlyn, very dense, chalky white in part. Shale: black, LS: Brown, microxlyn, dense

3900: LS: Cream to buff, finexlyn, poor interxlyn porosity, chalky in part, Chert: light gray, semi translucent,



3931: LS: Brown to gray, microxyln, dense, LS: light gray/buff, chalky, soft. Chert: semi-translucent

3963: LS: off white, chalky, Shale: dark gray/black, mottled, LS: light gray/white/cream, soft, random questionable oolcastic porosity.

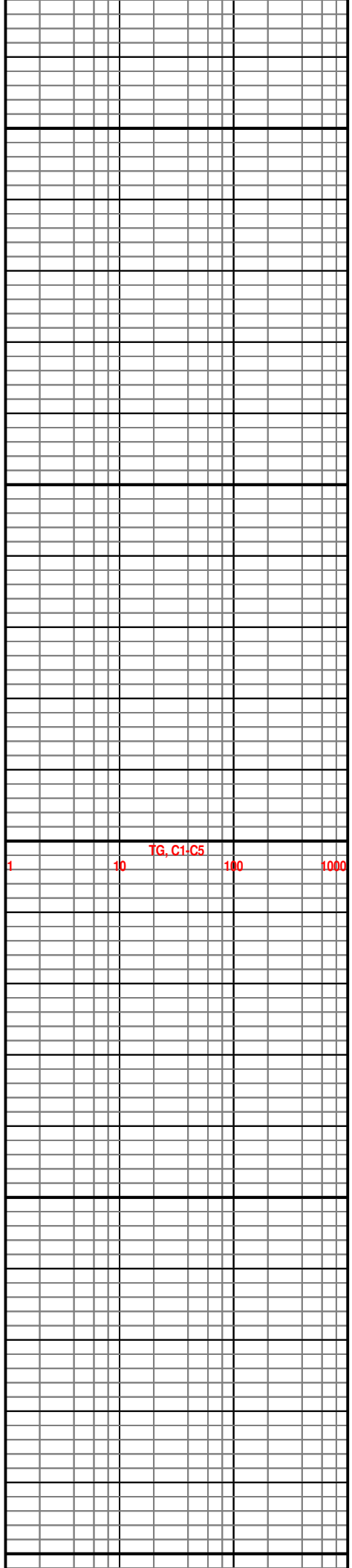
3994 sample mostly sluff from trip for mud pump repair

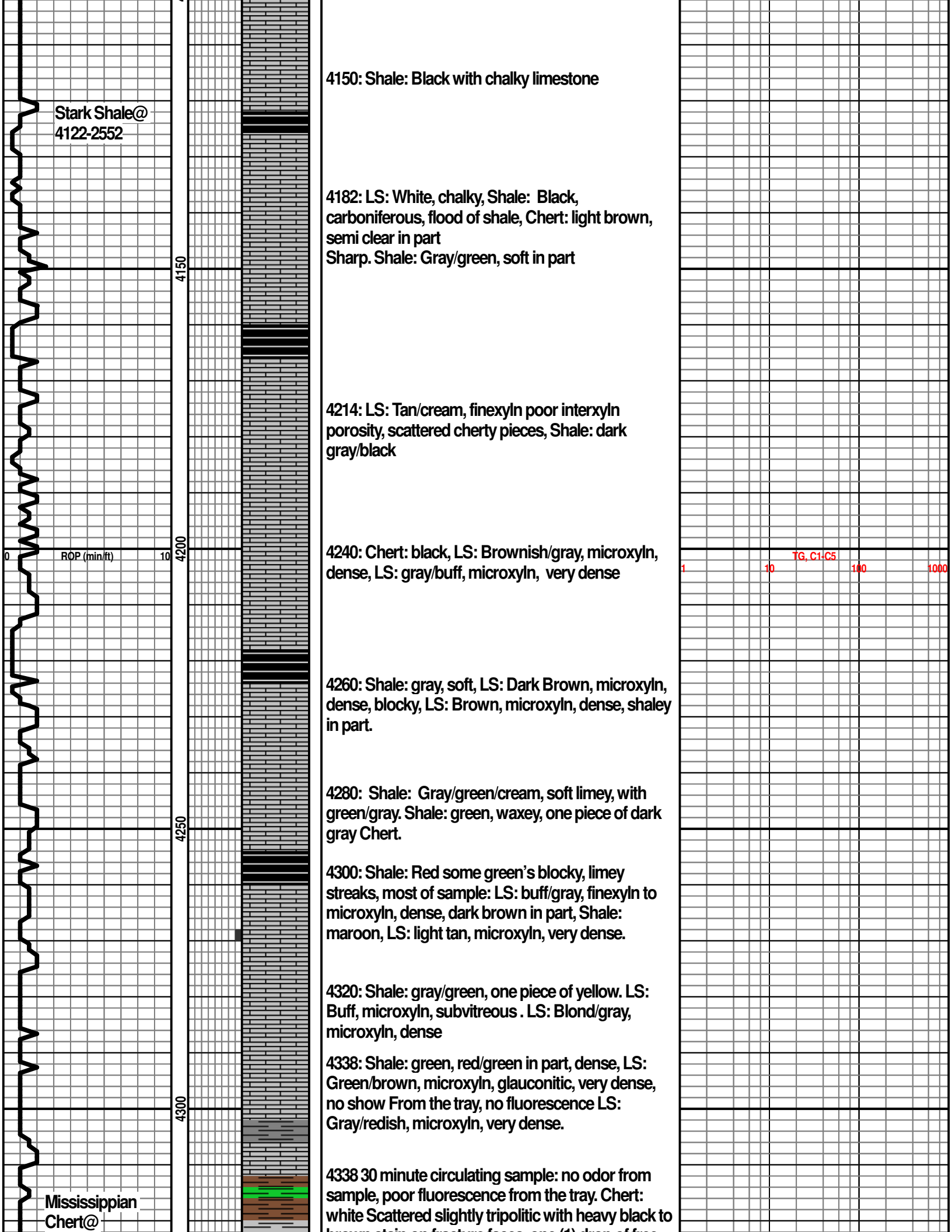
4025: LS: Brown, finexyln, fair oolmoldic , porosity, poor interxyln porosity, no show. LS: Cream/gray, microxyln, very dense, Shale: gray

4057: LS: flood of White, chalky,

4089: LS: Cream t tan, finelxyln to microxyln, poor interxyln porosity, no visible porosity, scattered light gray in part., LS: White, chalky in part. Shale: dark gray,

4120: LS: Brown/tan, microxyln, friable in part dense in part, no viable porosity, no show.





Stark Shale@
4122-2552

4150

4200

4250

4300

ROP (min/ft)

4150: Shale: Black with chalky limestone

4182: LS: White, chalky, Shale: Black, carboniferous, flood of shale, Chert: light brown, semi clear in part
Sharp. Shale: Gray/green, soft in part

4214: LS: Tan/cream, finexyln poor interxyln porosity, scattered cherty pieces, Shale: dark gray/black

4240: Chert: black, LS: Brownish/gray, microxyln, dense, LS: gray/buff, microxyln, very dense

4260: Shale: gray, soft, LS: Dark Brown, microxyln, dense, blocky, LS: Brown, microxyln, dense, shaley in part.

4280: Shale: Gray/green/cream, soft limey, with green/gray. Shale: green, waxey, one piece of dark gray Chert.

4300: Shale: Red some green's blocky, limey streaks, most of sample: LS: buff/gray, finexyln to microxyln, dense, dark brown in part, Shale: maroon, LS: light tan, microxyln, very dense.

4320: Shale: gray/green, one piece of yellow. LS: Buff, microxyln, subvitreous . LS: Blond/gray, microxyln, dense

4338: Shale: green, red/green in part, dense, LS: Green/brown, microxyln, glauconitic, very dense, no show From the tray, no fluorescence LS: Gray/redish, microxyln, very dense.

4338 30 minute circulating sample: no odor from sample, poor fluorecence from the tray. Chert: white Scattered slightly tripolitic with heavy black to brown stain on fracture faces, one (1) drop of fluo

TG, C1-C5

1 10 100 1000

Mississippian
Chert@

4322-2752

Mississippian
LS@ 4346-2776

Kinderhook
Shale @
4458-2888

ROP (min/ft)

4350

4400

4450

4500

brown stain on fracture faces, one (1) drop of free oil, heavy milky cut, 8 unit gas increase, scattered chalky limestone. 4338 60 minute circulating sample: Chert A.A., with slight visible porosity, with black stain, Chert: White/off white, blocky, sharp, Shale: Dark maroon/gray fossiliferous, limey.

4380: Chert: yellow, with black stain, no fluorescence, poor visible porosity, no odor from tray, Shale: red,

4369 30 minute circulating sample: Shale: red, LS: light buff, microxyln, scattered black stain, slight visible porosity, LS: cream/red, friable, shaley, coarsexyln in part.

4420: Shale: red conglomeritic with embedded blocky limestone pieces, LS: redish, coarsexyln to finexyln,

4440: Chert: flood of white sharp, no show, LS: cream to light brown, microxyln to finexyln, Shale: green to red

4460: LS: light tan/brown, microxyln, blocky, dense, Chert: fresh A.A. LS: red, shaley, finexyln, blocky,

4480:LS: Gray/buff, microxyln, poor interxyln porosity, no visible porosity, Shale: gray, dense, scattered fossile fragments

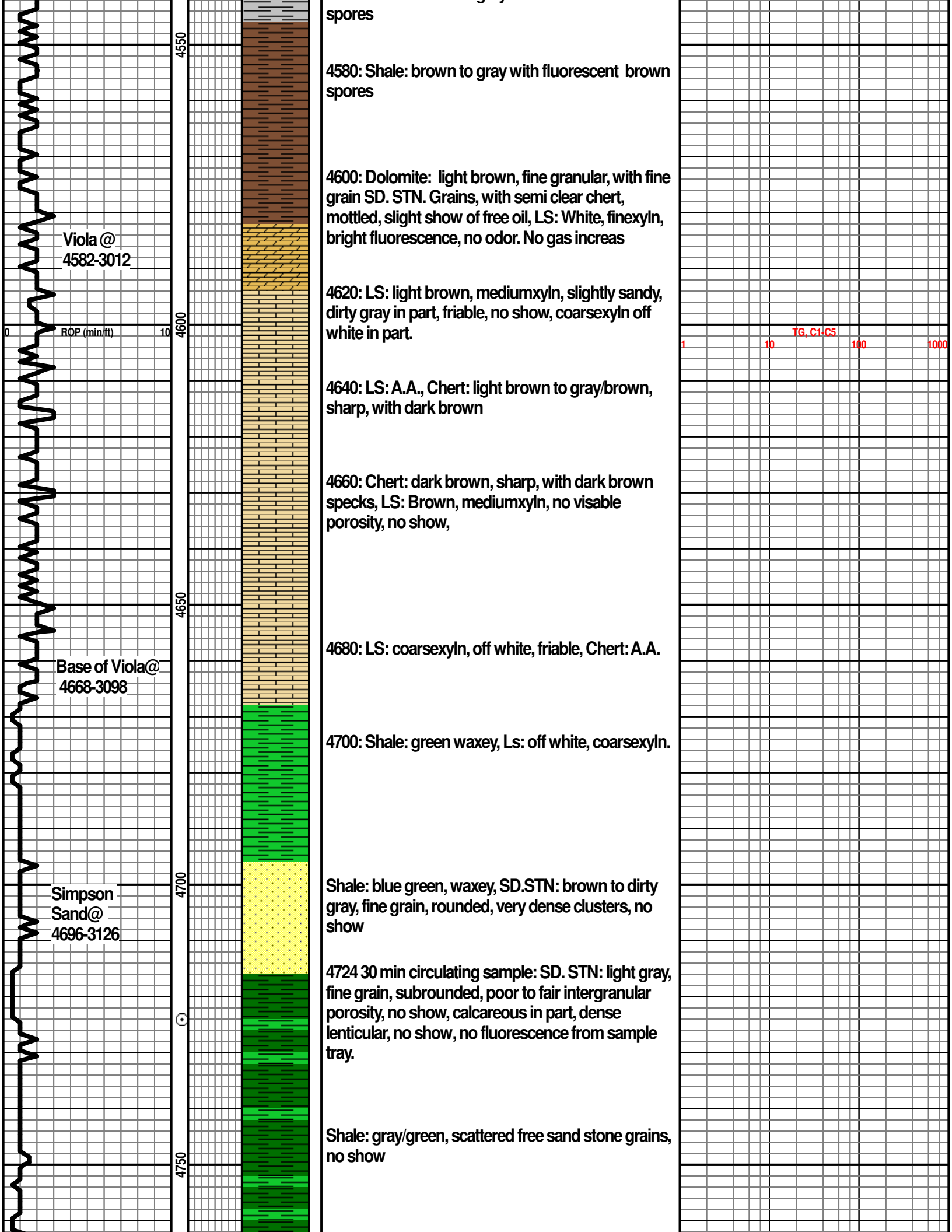
4500: Shale: gray, medium slick

4520: Shale: gray, slick

4540: Shale: gray, slick

4560: Shale: brown to gray with fluorescent brown

TG, C1-C5
1 10 100 1000



spores

4580: Shale: brown to gray with fluorescent brown spores

4600: Dolomite: light brown, fine granular, with fine grain SD. STN. Grains, with semi clear chert, mottled, slight show of free oil, LS: White, finexyln, bright fluorescence, no odor. No gas increas

4620: LS: light brown, mediumxyln, slightly sandy, dirty gray in part, friable, no show, coarsexyln off white in part.

4640: LS: A.A., Chert: light brown to gray/brown, sharp, with dark brown

4660: Chert: dark brown, sharp, with dark brown specks, LS: Brown, mediumxyln, no visable porosity, no show,

4680: LS: coarsexyln, off white, friable, Chert: A.A.

4700: Shale: green waxey, Ls: off white, coarsexyln.

Shale: blue green, waxey, SD.STN: brown to dirty gray, fine grain, rounded, very dense clusters, no show

4724 30 min circulating sample: SD. STN: light gray, fine grain, subrounded, poor to fair intergranular porosity, no show, calcareous in part, dense lenticular, no show, no fluorescence from sample tray.

Shale: gray/green, scattered free sand stone grains, no show

Viola @
4582-3012

Base of Viola @
4668-3098

Simpson
Sand @
4696-3126

4550
4600
4650
4700
4750

ROP (min/ft)

TG, C1-C5

1 10 100 1000

C



T.D. 4770

00

Shale: gray green

