KOLAR Document ID: 1599802

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 # 5399
Name: Trek AEC, LLC
Address 1: 200 W DOUGLAS, SUITE 101
Address 2:
City: WICHITA State: KS Zip: 67202 + 3001
Contact Person: Mindy Wooten
Phone: (316) 263-5785
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: David Barker
Purchaser: CHS

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 #:

11/2/2021 Spud Date or Recompletion Date
11/10/2021 Date Reached TD
12/14/2021 Completion Date or Recompletion Date

API No.: 15-151-22538-00-00
Spot Description: SE NE SW SW
SE - NE - SW - SW Sec. 30 Twp. 29 S. R. 11 ☐ East ☑ West
783 Feet from ☐ North / ☑ South Line of Section
997 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Pratt
Lease Name: MCGUIRE Well #: 3-30
Field Name: Wildcat
Producing Formation: Mississippian
Elevation: Ground: 1858 Kelly Bushing: 1871
Total Vertical Depth: 4975 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 411 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: 41000 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Messenger Petroleum
Lease Name: Nicholas #1 SWD License #: 4706
Quarter NE Sec. 20 Twp. 30 S. R. 8 ☐ East ☑ West
County: Kingman Permit #: D27434

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: 01/05/2022
☐ **Confidential Release Date:** 01/05/2024
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 01/10/2022

Operator Name: Trek AEC, LLC Lease Name: MCGUIRE Well #: 3-30

Sec. 30 Twp. 29 S. R. 11 ☐ East ☑ West County: Pratt

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☑ Yes	☐ No	

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☑ Plug Off Zone	4538-4548	Common	200	
	-			

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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
2	4538	4548	CIBP Cast Iron Bridge Plug	4533	Squeezed 200 sx cement - Cement Retainer
2	4480	4490			

TUBING RECORD:	Size:	Set At:	Packer At:
	2.3750	4460	4461

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Trek AEC, LLC
Well Name	MCGUIRE 3-30
Doc ID	1599802

All Electric Logs Run

Micro Log
Dual Induction
Sonic Log
Compensated Density Neutron

Form	ACO1 - Well Completion
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Well Name	MCGUIRE 3-30
Doc ID	1599802

Tops

Name	Top	Datum
Onaga	2775	-904
Wabaunsee	2820	-949
Stotler	2965	-1094
Howard	3203	-1332
Severy Shale	3309	-1438
Topeka	3362	-1491
Kanawaka Shale	3539	-1668
Heebner Shale	3701	-1830
Toronto	3734	-1863
Lansing	3900	-2029
Stark Shale	4203	-2332
Hushpuckney Shale	4236	-2365
Base/Kansas City	4318	-2447
Marmaton	4326	-2455
Mississippian	4455	-2584
Mississippian Chert	4455	-2584
Mississippian Limestone	4550	-2679
Kinderhook	4580	-2709
Viola	4713	-2842
Arbuckle	4790	-2919

Form	ACO1 - Well Completion
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Well Name	MCGUIRE 3-30
Doc ID	1599802

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.5	8.625	23	411	60/40 Poz	325	2% gel, 3% CC, 1/2# FloSeal
Production	7.875	5.5	15.50	4960	H-Long	190	NA
Production	7.875	5.5	15.50	4960	H-Con	500	NA
Production	7.875	5.5	15.50	4960	Class A	200	2% CC

Surface Casing
Cement

Quality Well Service, Inc.

PO Box 468
Pratt, KS 67124

Invoice

Date	Invoice #
11/3/2021	C-2745

Bill To
Trek AEC, LLC 1020 E Levee St., Ste 130 Dallas, TX 75207

P.O. No.	Terms	Lease Name
		McGuire #3-30

Description	Qty	Rate	Amount
Common	195	16.75	3,266.25
Poz	130	9.50	1,235.00
Gel	559	0.22	122.98
Calcium	839	1.20	1,006.80
Flo-Seal	163	3.70	603.10
SFC 0-500'	1	950.00	950.00
Handling	348	2.10	730.80
.08 * sacks * miles	6,960	0.08	556.80
Service Supervisor	1	250.00	250.00
LMV	20	3.75	75.00
Heavy Equipment Mileage	40	8.00	320.00
Customer Discount		-2,735.02	-2,735.02
Discount Expires after30 days from the date of the invoice		0.00	0.00
McGuire #3=30			
Pratt Co.			

PLEASE REMIT TO ABOVE COMPANY & ADDRESS! Thank you for your business!

Subtotal	$6,381.71
Sales Tax (8.25%)	$0.00
Total	$6,381.71

QUALITY WELL SERVICE, INC.

7812

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date 11-3-21	Sec. 30	Twp. 26S	Range 11W	County PRATT	State KS	On Location	Finish

Lease McQuire Well No. 3-30 Location Sawyer, KS E to 90th Rd

Contractor Duke Drlg. Rig #7 Owner 3/4 S E Info

Type Job Surface

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	12¼	T.D.	418'
Csg.	8⅝ 23#	Depth	413'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	25'
Meas Line		Displace	24.6

Charge To TREK AEC LLC

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 350 sx 60/40 2% Gel 3% CC ¼# PS

EQUIPMENT

Pumptrk 2	No.	
Bulktrk 7	No.	
Bulktrk	No.	
Pickup	No.	

Common	195 sx
Poz. Mix	130 sx
Gel.	559#
Calcium	839#
Hulls	
Salt	
Flowseal	163#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	348
Mileage	20/696.0

JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 10 Jts 8⅝ 23# CSG SET @ 413'
START CSG CSG on Bottom
Hook up to CSG & Break Circ W/ Rig
START Pumping H2O
START MIX. Pump 350 sx Common
2% GEL 3% CC ¼# PS @ 14.8 #/GAL
START DISP
Plug Down 24.6 Bbls
Close Valve on CSG 175#
Good Circ thru Job
C.A CMT TO PIT

THANK YOU
PLEASE CALL AGAIN
JOSH MIKE RICHARD

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
SERVICE SUP 1 EA	
LMV 20	
Pumptrk Charge	Surface
Mileage	40
Tax	
Discount	
Total Charge	

X Signature

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

Customer	Trek AEC LLC	Lease & Well #	McGuire 3 -30			Date	11/11/2021
Service District	Pratt Kansas	County & State	Pratt Kansas	Legals S/T/R	30-29s-11w	Job #	
Job Type	2 stage	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No	Ticket #	wp2081

Equipment #	Driver
176/522	R Osborn
523/534	R Valdez
916	M Brungardt
181/533	r Valdez
182	M Flores

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☑ Overhead Hazards	☑ Muster Point/Medical Locations
☐ Hearing Protection	☑ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
cp030	H-Long	sack	190.00			$4,788.00
cp025	H-Con	sack	500.00			$9,450.00
cp010	Class A Cement	sack	200.00			$3,060.00
cp055	H-Plug	sack	50.00			$585.00
cp100	Calcium Chloride	lb	1,316.00			$888.30
cp120	Cello-flake	lb	226.00			$355.95
fe145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00			$337.50
fe150	5 1/2" DV Tool - 2 Stage	ea	1.00			$4,500.00
fe130	5 1/2" Cement Basket	ea	2.00			$540.00
fe135	5 1/2 Turbolizer	ea	14.00			$1,008.00
cp170	Mud Flush	gal	500.00			$450.00
af056	Liquid KCL Substitute 2	gal	1.00			$18.00
m015	Light Equipment Mileage	mi	20.00			$36.00
m010	Heavy Equipment Mileage	mi	20.00			$72.00
m020	Ton Mileage	tm	879.00			$1,186.65
c020	Cement Pump - Multi Stage Service	ea	1.00			$2,250.00
c050	Cement Plug Container	job	1.00			$225.00
c035	Cement Data Acquisition	job	1.00			$225.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

				Net:	$29,975.40
Total Taxable	$ -	Tax Rate:			
State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.			Sale Tax:	$ -	
			Total:	$ 29,975.40	

HSI Representative: *Mark Brungardt2321`e3*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results fom the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well informaiton in determining taxable services.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**

ftv: 15-2021/01/25
mplv: 201-2021/09/15

CEMENT TREATMENT REPORT

Customer:	Trek AEC LLC	**Well:**	McGuire 3 -30	**Ticket:**	wp2081
City, State:	Sawyer Kansas	**County:**	Pratt Kansas	**Date:**	11/11/2021
Field Rep:	Tanner Nelson	**S-T-R:**	30-29s-11w	**Service:**	2 stage

Downhole Information	
Hole Size:	7 7/8 in
181/533	5000 ft
182	5 1/2 in
Casing Depth:	4960 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	116.0 bbls

Calculated Slurry - Lead	
Blend:	H-Long
Weight:	15.0 ppg
Water / Sx:	6.0 gal / sx
Yield:	1.42 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	48.0 bbls
Total Sacks:	190 sx

Calculated Slurry - Tail	
Blend:	H -Plug
Weight:	13.7 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	12.7 bbls
Total Sacks:	50 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
7:00 AM			-	-	on location job and safety
10:45 AM				-	spot trucks and rig up
				-	turbolizers 1,5,9,14,19,47,49,51,60,75,90,98,102,114
				-	baskets 49,89
				-	Dv tool .....2884 ft
8:15 AM				-	start casing in the hole
10:30 AM				-	casing on bottom and circulate
				-	BOTTOM STAGE
11:35 AM				-	start flush
	6.0	250.0	5.0	5.0	fresh water
	6.0	250.0	12.0	17.0	500 gal mud flush
	6.0	250.0	5.0		fresh water
11:40 AM					flush in
11:45 AM	2.0	-	12.7		plug rat hole 30 sacks plug mouse hole 20 sacks
11:55 AM					start cement
	6.0	500.0	48.0		mix 190 sacks
12:05 PM					cement in and shut down and wash pump and lines
12:10 PM					start displacement
	6.0	200.0	30.0		
	6.0	500.0	60.0		
	6.0	900.0	100.0		
	3.0	850.0	110.0		
12:35 PM	3.0	850.0	116.0		bumped plug at 850 psi to 1500 psi
					released pressure plug did hold

CREW		UNIT
Cementer:	R Osborn	176/522
Pump Operator:	R Valdez	523/534
Bulk #1:	M Brungardt	916
Bulk #2:	r Valdez	181/533

SUMMARY		
Average Rate	Average Pressure	Total Fluid
5.0 bpm	455 psi	499 bbls

ftv: 15-2021/01/25
mplv: 201-2021/09/15

CEMENT TREATMENT REPORT

Customer:	Trek AEC LLC	**Well:**	McGuire 3-30	**Ticket:**	wp2081
City, State:	sawyer Kansas	**County:**	Pratt Kansas	**Date:**	11/11/2021
Field Rep:		**S-T-R:**	30-29s-11w	**Service:**	2 stage

Downhole Information	
Hole Size:	in
181/533	ft
182	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	68.0 bbls

Calculated Slurry - Lead	
Blend:	H-C0n
Weight:	12.0 ppg
Water / Sx:	14.5 gal / sx
Yield:	2.47 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	220.0 bbls
Total Sacks:	500 sx

Calculated Slurry - Tail	
Blend:	A 2% cc
Weight:	15.6 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.20 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	43.0 bbls
Total Sacks:	200 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
12:35 PM			-	-	drop the opening tool and wait 30 minutes
1:00 PM				-	open dv tool and circulate for 3 hours
				-	TOP STAGE
4:00 PM				-	start cement
	5.0	200.0	5.0	5.0	5bbls fresh water
	5.0	300.0	220.0	225.0	mix 500 sacks h con
	5.0	300.0	43.0	268.0	mix 200 sacks A 2% cc
5:00 PM					cement in and shut down
				-	wash pump and lines
				-	
5:05 PM				-	start displacement
	6.5	250.0	15.0	15.0	
	6.5	500.0	40.0	55.0	
	3.0	900.0	75.0	130.0	
	3.0	1,000.0	68.0	198.0	
5:30 PM					plug down 1000 psi to 1500psdv tool did close
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	

	CREW	UNIT
Cementer:	R Osborn	176/522
Pump Operator:	R Valdez	523/534
Bulk #1:	M Brungardt	916
Bulk #2:	r Valdez	181/533

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.9 bpm	492.9 psi	466 bbls

ftv: 15-2021/01/25
mplv: 201-2021/09/15

DRILL STEM TEST REPORT

Trek AEC , LLC

200 W. Douglas Suite 101
Wichita, KS 67202

ATTN: Dave Barker

30_29_11 Pratt, KS

McGuire #3-30

Job Ticket: 68271 **DST#: 1**

Test Start: 2021.11.09 @ 03:25:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:28:00
Time Test Ended: 12:10:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Day
Unit No: 70

Interval: 4390.00 ft (KB) To 4455.00 ft (KB) (TVD)
Total Depth: 4455.00 ft (KB) (TVD)
Hole Diameter: inches Hole Condition: Good

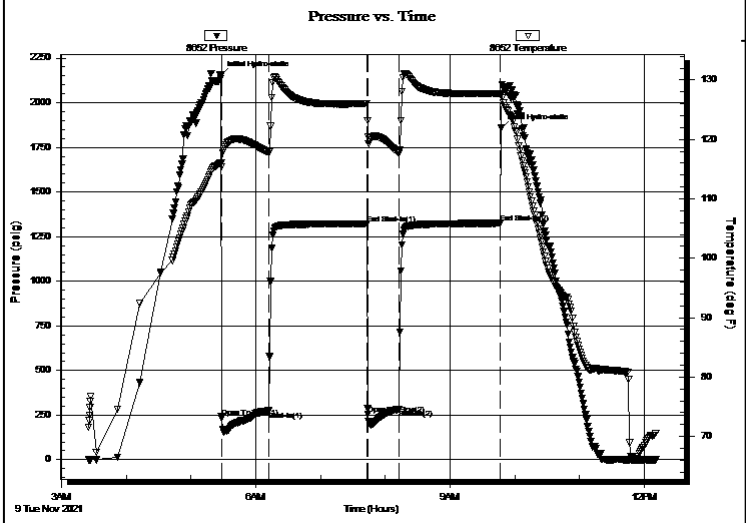
Reference Elevations: 1871.00 ft (KB)
1858.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8652 **Outside**

Press@RunDepth: 282.53 psig @ 4391.00 ft (KB)
Start Date: 2021.11.09 End Date: 2021.11.09
Start Time: 03:25:05 End Time: 12:10:45

Capacity: 8000.00 psig
Last Calib.: 2021.11.09
Time On Btm: 2021.11.09 @ 05:27:45
Time Off Btm: 2021.11.09 @ 09:47:30

TEST COMMENT: 45 IFP - BOB in 30 sec GTS in 10 min
90 ISI - Blow back built to 2 1/2"
30 FFP - BOB immediately built to 176.2 psi
90 FSI - Blow back built to 5 3/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.49	116.11	Initial Hydro-static
1	240.25	115.41	Open To Flow (1)
45	274.01	117.82	Shut-In(1)
135	1322.44	126.09	End Shut-In(1)
136	254.51	120.40	Open To Flow (2)
165	282.53	117.67	Shut-In(2)
259	1324.63	127.75	End Shut-In(2)
260	1856.51	127.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GCM 90% mud 10% gas	1.75
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	80.33	322.25
Last Gas Rate	0.38	176.20	648.38
Max. Gas Rate	0.38	176.20	648.38

DRILL STEM TEST REPORT

Trek AEC , LLC

200 W. Douglas Suite 101
Wichita, KS 67202

ATTN: Dave Barker

30_29_11 Pratt, KS

McGuire #3-30

Job Ticket: 68271 **DST#: 1**

Test Start: 2021.11.09 @ 03:25:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:28:00
Time Test Ended: 12:10:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Day
Unit No: 70

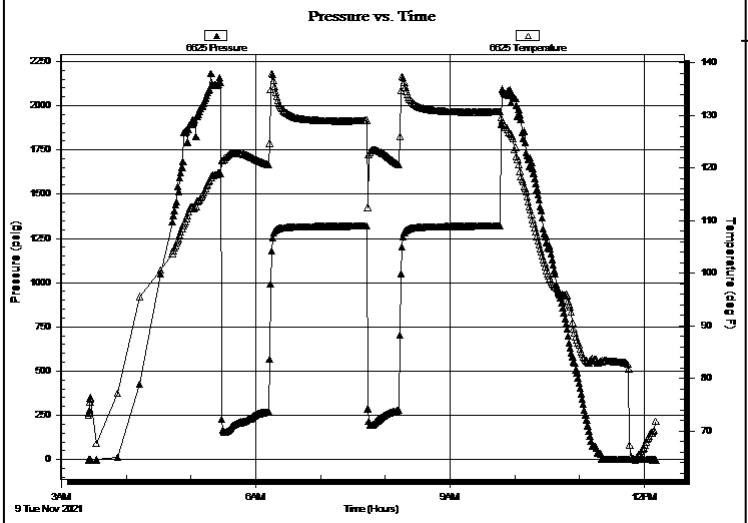
Interval: 4390.00 ft (KB) To 4455.00 ft (KB) (TVD)
Total Depth: 4455.00 ft (KB) (TVD)
Hole Diameter: inches Hole Condition: Good

Reference Elevations: 1871.00 ft (KB)
1858.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6625 **Inside**
Press@RunDepth: psig @ 4391.00 ft (KB)
Start Date: 2021.11.09 End Date: 2021.11.09
Start Time: 03:25:05 End Time: 12:11:00

Capacity: 8000.00 psig
Last Calib.: 2021.11.09
Time On Btm:
Time Off Btm:

TEST COMMENT: 45 IFP - BOB in 30 sec GTS in 10 min
90 ISI - Blow back built to 2 1/2"
30 FFP - BOB immediately built to 176.2 psi
90 FSI - Blow back built to 5 3/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GCM 90% mud 10% gas	1.75
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	80.33	322.25
Last Gas Rate	0.38	176.20	648.38
Max. Gas Rate	0.38	176.20	648.38

DRILL STEM TEST REPORT

FLUID SUMMARY

Trek AEC , LLC

200 W. Douglas Suite 101
Wichita, KS 67202

ATTN: Dave Barker

30_29_11 Pratt, KS

McGuire #3-30

Job Ticket: 68271 **DST#: 1**

Test Start: 2021.11.09 @ 03:25:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	84.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GCM 90% mud 10% gas	1.753
0.00	GTS	0.000

Total Length: 125.00 ft Total Volume: 1.753 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 4# LCM

DRILL STEM TEST REPORT

GAS RATES

Trek AEC , LLC

200 W. Douglas Suite 101
Wichita, KS 67202

ATTN: Dave Barker

30_29_11 Pratt, KS

McGuire #3-30

Job Ticket: 68271 **DST#: 1**

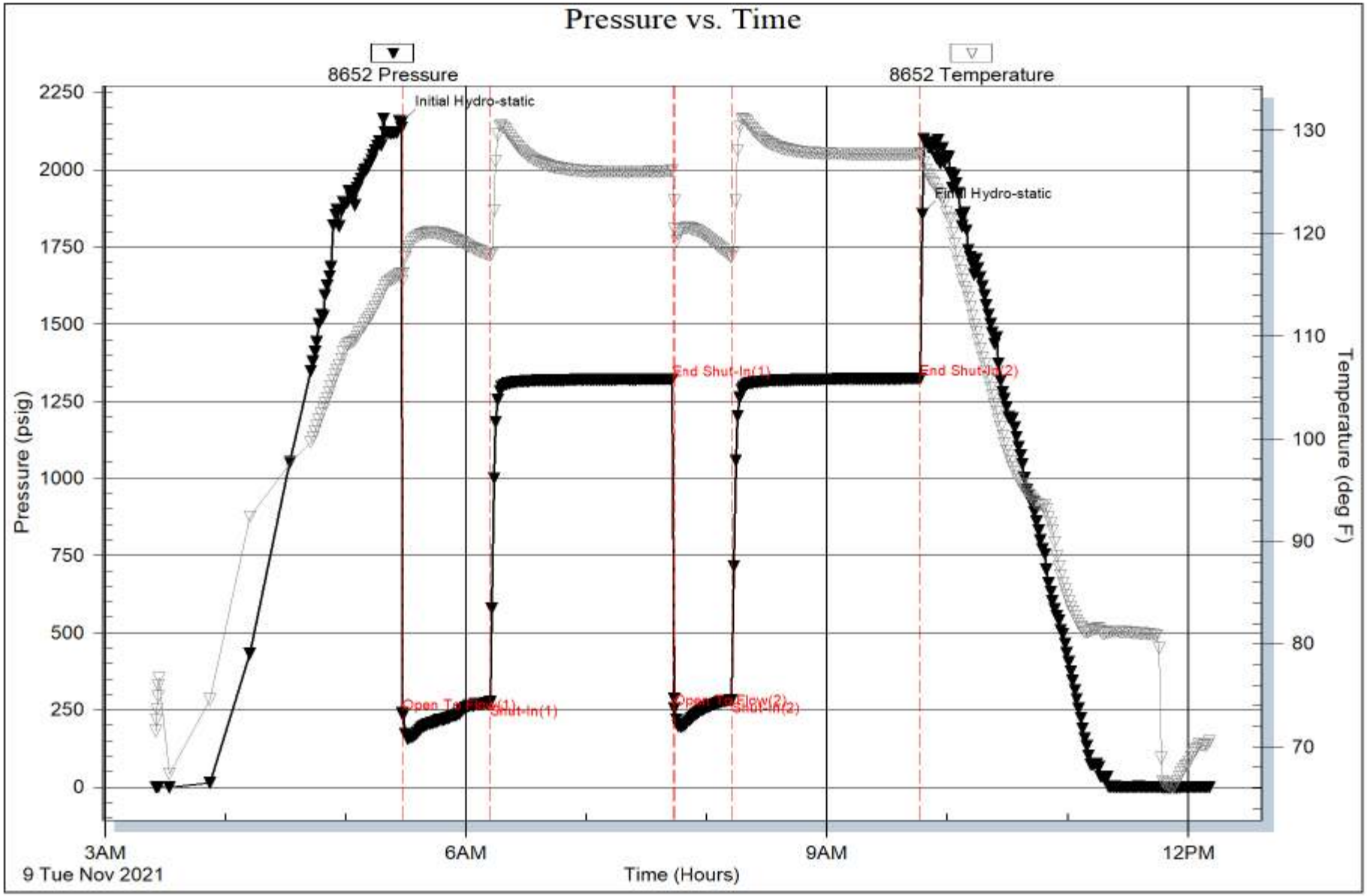
Test Start: 2021.11.09 @ 03:25:00

Gas Rates Information

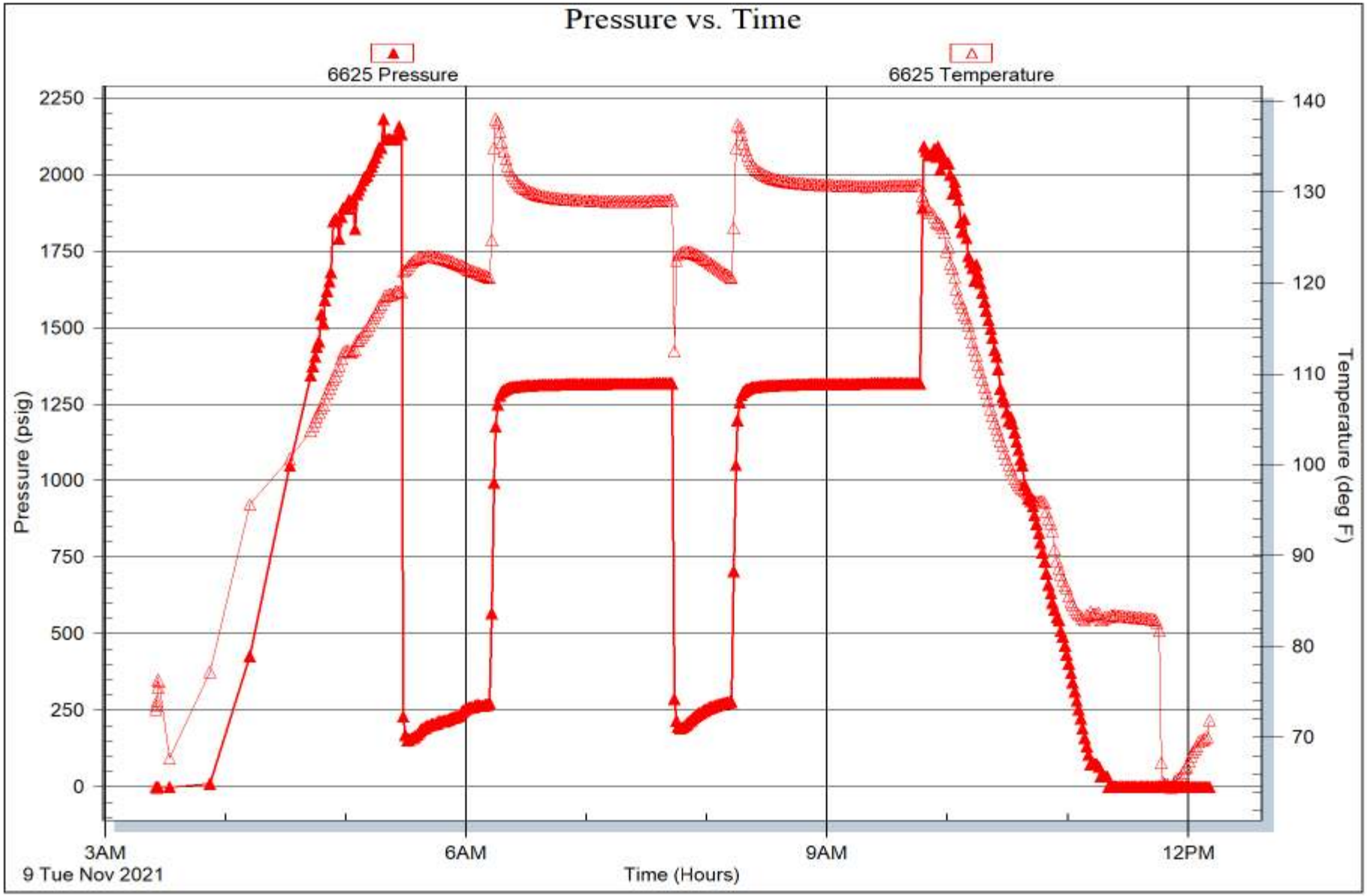
Temperature: 59 (deg F)
Relative Density: 0.67
Z Factor: 0.9

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.38	80.33	322.25
1	20	0.38	117.03	447.10
1	30	0.38	140.85	528.13
1	40	0.38	155.18	576.88
1	45	0.38	159.73	592.35
2	1	0.38	14.53	98.41
2	10	0.38	120.34	458.36
2	20	0.38	161.05	596.84
2	30	0.38	176.20	648.38


Pressure vs. Time
8652 Pressure
8652 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
130
120
110
100
90
80
70
3AM
9 Tue Nov 2021
6AM
9AM
12PM
Time (Hours)

Serial #: 6625 **Inside** Trek AEC , LLC McGuire #3-30 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 68271 Printed: 2021.11.09 @ 13:27:12

Quality Well Service, Inc.

PO Box 468
Pratt, KS 67124

Invoice

Date	Invoice #
12/29/2021	C-2798

Bill To
Trek AEC, LLC 1020 E Levee St., Ste 130 Dallas, TX 75207

P.O. No.	Terms	Lease Name
		McGuire #3-30

Description	Qty	Rate	Amount
Common	200	16.75	3,350.00T
Squeeze	1	1,500.00	1,500.00T
Handling	200	2.10	420.00T
.08 * sacks * miles	4,000	0.08	320.00T
Service Supervisor	1	250.00	250.00T
LMV	20	3.75	75.00T
Heavy Equipment Mileage	40	8.00	320.00T
Customer Discount		-1,558.75	-1,558.75
Discount Expires after30 days from the date of the invoice		0.00	0.00
McGuire #3-30 Pratt Co.			

PLEASE REMIT TO ABOVE COMPANY & ADDRESS! Thank you for your business!

Subtotal	$4,676.25
Sales Tax (8.25%)	$385.79
Total	$5,062.04

QUALITY WELL SERVICE, INC.

7854

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 12-28-21	30	29S	11W	PRATT	KS		

Lease McQUIRE Well No. 3-30 Location SAWYER, K. E to SE 90th AVE

Contractor FOSSIL DZ16 Owner 3/4 S E into

Type Job Sq JOB

Hole Size 7 7/8 T.D.

Csg. 5 1/2 15.5 Depth

Tbg. Size 2 3/8 Depth 4533

Tool Depth

Cement Left in Csg. Shoe Joint

Meas Line Displace 17.54

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To TREK AEC LLC

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 200 sx Common

EQUIPMENT

Pumptrk 8	No.	
Bulktrk 10	No.	
Bulktrk	No.	
Pickup	No.	

JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets RETAINER @ 4533'

D/V or Port Collar PERFS 4538-48

on Loc Hook up to Rig
Pump 9 1/2 Bbls Loaded pit up 650# HELD
Hook up to tbg TAKE IN RATE
3 Bbls Load 1 1/2 BPM 700#
START M/S. Pump 200 sx Common
PSI 400#-300# while MIXING
SHUT DOWN Wash up tk
START DISP
2 1/2 out 500# 10 out 1000#
12 out 1200# 16 1/2 out 1550#
SHUT DOWN STING OUT
REV out LONGWAY
124 Bbls
THANK YOU
PLEASE CALL AGAIN
1000 MIKE Richard

Common	200 sx
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	200
Mileage	20 / 4000

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
SERVICE SUP	1 EA
LMV 20	
Pumptrk Charge	Sq JOB
Mileage	40
Tax	
Discount	
Total Charge	

X Signature

Taylor Printing, Inc.

David A. Barker

CONSULTING GEOLOGIST

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

Well Name:	**McGuire 3-30**		
Well Id:	**15-151-22538**		
Location:	**30-T29S-R11W**		
License Number:	**5929**	**Region:**	**Pratt County, Kansas**
Spud Date:	**11-2-2021**	**Drilling Completed:**	**11-10-2021**
Surface Coordinates:	**SE NE SW SW/4**		
Bottom Hole Coordinates:	**SE NE SW SW/4**		
Ground Elevation (ft):	**1858**	**K.B. Elevation (ft):**	**1871**
Logged Interval (ft):	**2300 To: 4975**	**Total Depth (ft):**	**4975**
Formation:	**Arbuckle**		
Type of Drilling Fluid:	**chemical**		

OPERATOR

Company: **Trek/AEC**
Address: **200 West Douglas Ave**
Suite 101
Wichita, Kansas 67202

GEOLOGIST

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

Daily Status

11-2-21: Spud well 7:00 P.M.,
11-03-21: Run 10 jts of 8 5/8" set @ 396' plug down at 8:15 A.M., survey at 396, 1/2 deg, SHT @ 914 3/4 deg
11-04-21: Drilling at 1131', survey at: 1415' 3/4 deg and at 1914' 3/4 deg
11-05-21: Drilling at 2194', survey at 2413' 3/4 deg, and at 2884' 1/2 deg
11-06-21: Drilling at 2948', survey at 3416' 1 deg.
11-07-21: Drilling at 3729' survey @ 3979 1 deg
11-08-21: Drilling at 4195', TOH for DST #1,4390 to 4455' survey@ 4455 1 degree
11-09-21: completing DST #1,
11-10-21: Drilling at 4819, survey @ TD 4975 1 degree, Run Elog and prepare to run casing.
11-11-21, Run 5 1/2" 15.5# new casing, cement 1st stage with 190 SX of common, 130 sxPozmix, 3% CC, 2% gel, 163# Flow seal, Cement 2nd stage: 190 sx class H long blend with 2% CC, Cement 3rd stage: 500 sx H con blend, tail 200 sx class A, 2% CC. set slips

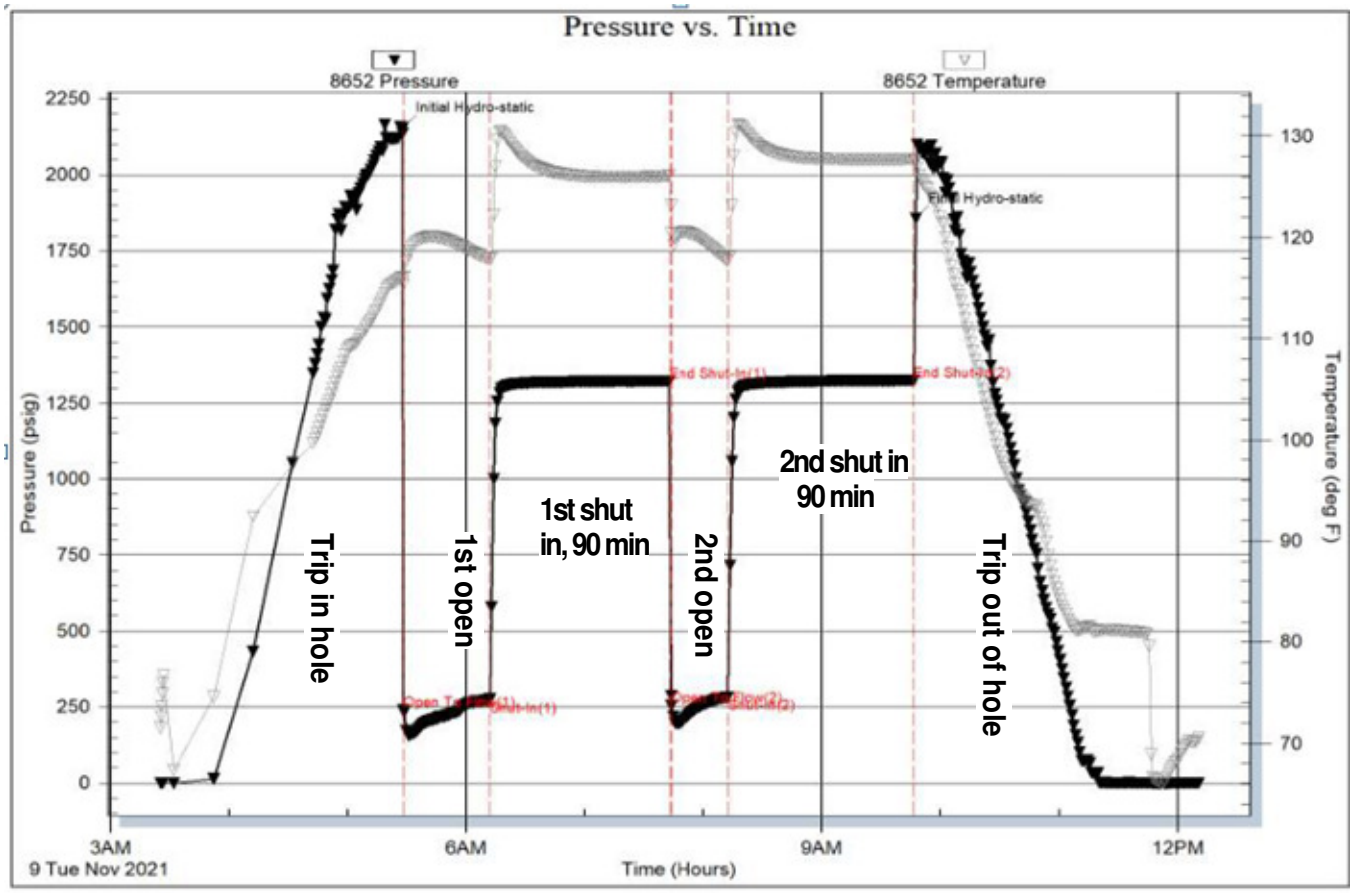
Contractor

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

Remarks

The Mississippian formation was drill stem tested from 4390 to 4455, DST #1. Production casing was cemmented to a depth of approximately 4950 to further test the Mississippian formation through pipe. David

DST #1, 4390 to 4455, 45-90-30-90, 1st open: BOB in 30 sec, GTS in 10 minutes, 1st open gas gauges: 10 min: 322 MCFG, 20 min: 447 MCFG, 30 min: 528 MCFG, 40 min: 576 MCFG, 45 min: 592 MCFG, 2nd open gas gauges: 10 min: 458 MCFG, 20 min: 596 MCFG, 30 min: 648 MCFG. IHP 2158# IFP 240 to 270#, IBHP 1322#, FFP 254-282#, FHP 1856#, FFP 254 to 282#, FBHP 1324#, REC: 125' GCM, (90% mund, 10% gas), BHT 127 deg



OTHER SYMBOLS

INTERVALS
- Core
- Dst
- Dst

EVENTS
- Rft
- Sidewall
- Cfs
- Conn

POROSITY TYPE
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

LITHOLOGY
- Anhy
- Chtred
- Cht
- Congl
- Shale
- Shgy
- gray scaless
- Ss
- Carb shale
- Gray shale
- Sandy lmst
- Shale
- Slt stn
- Shaly slst
- Slty shale
- Blank
- Gray lmst
- Cream lmst
- Red shale
- Blue-green siltstn
- Green shale
- D. green shale
- Green shale
- Brown lmst
- Brown shale
- Brown dol
- Brown cream
- Brown cream
- D. green lmst
- pink lime
- Light cream lmst
- Gray cream lmst
- Green dol
- Gray dol

SORTING
- Well
- Moderate
- Poor

ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

ACCESSORIES

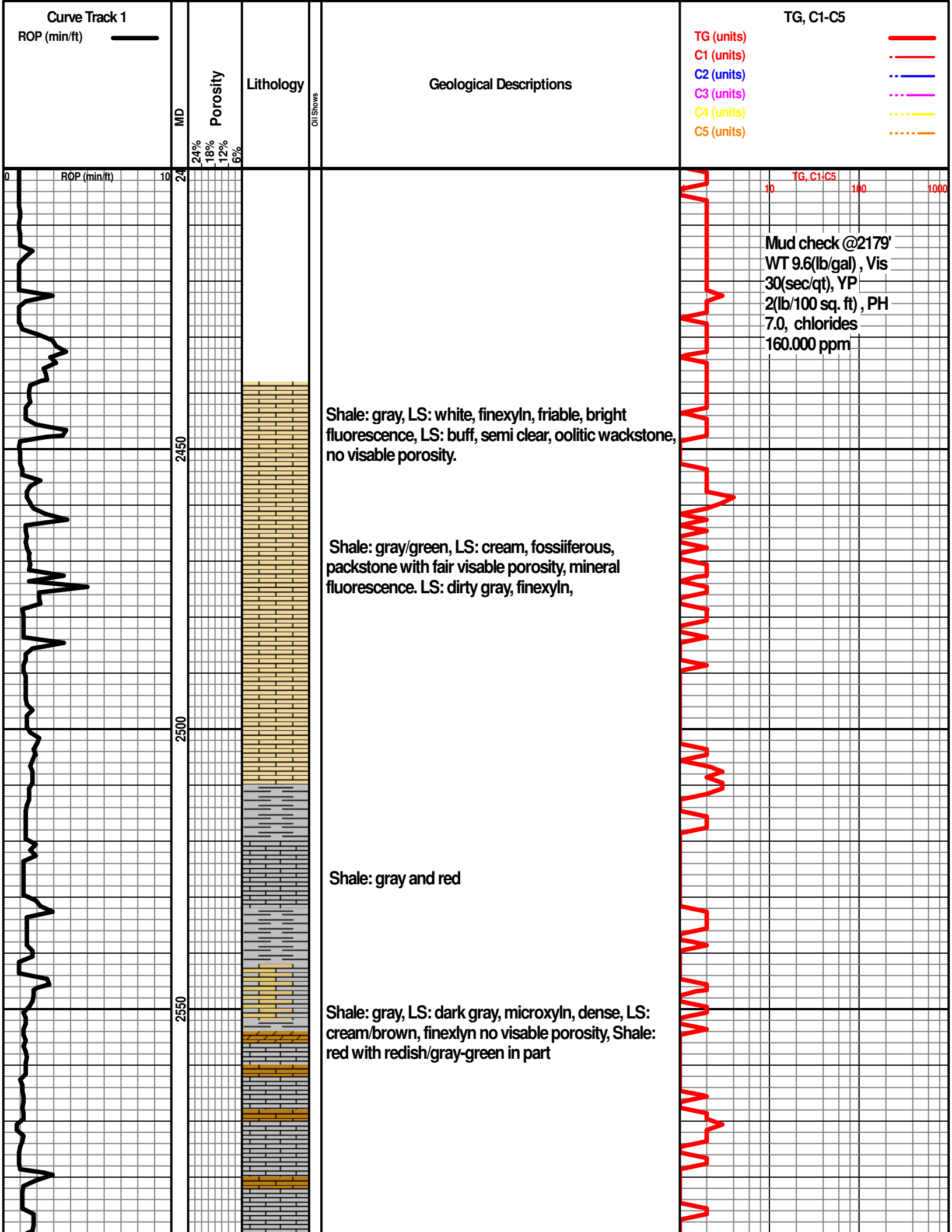
FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

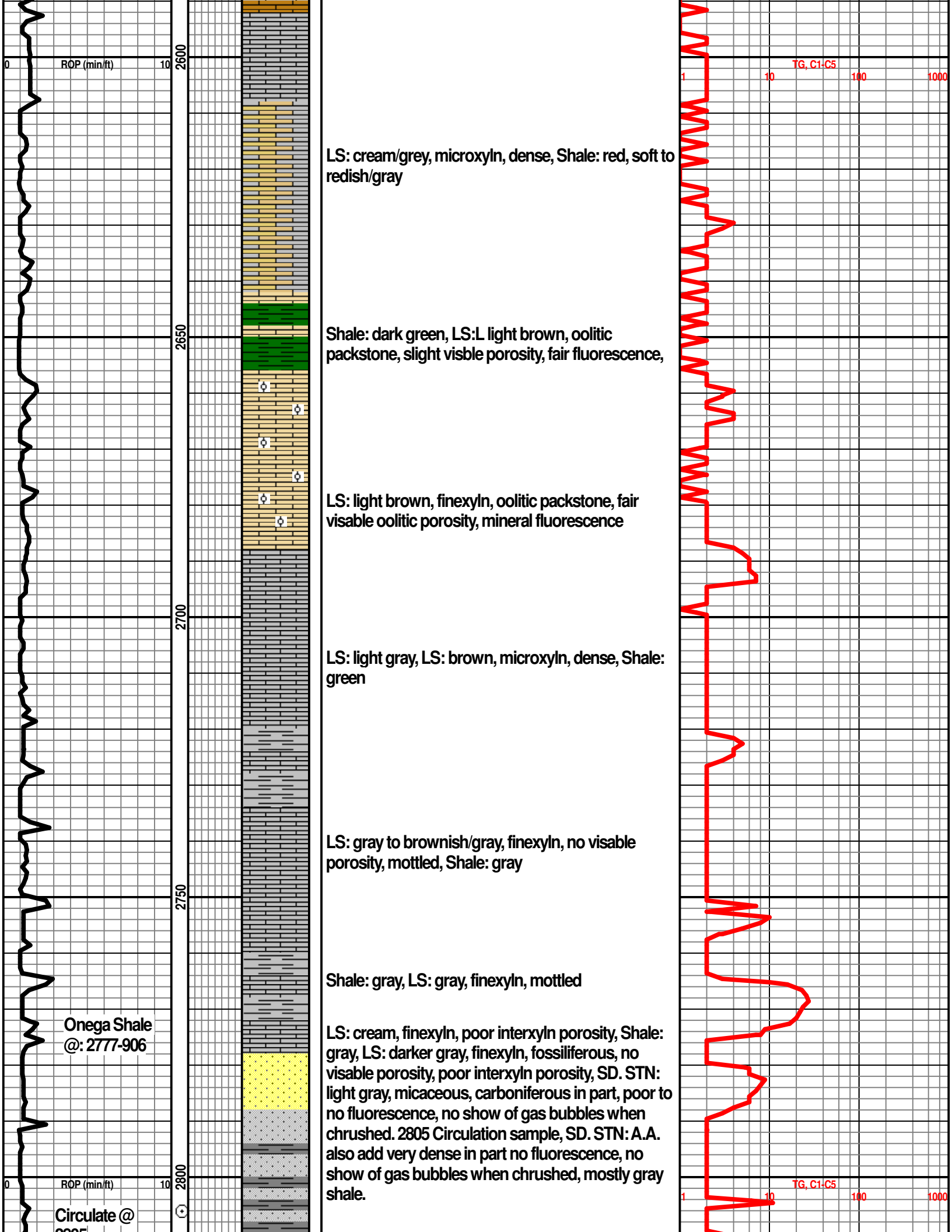
MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

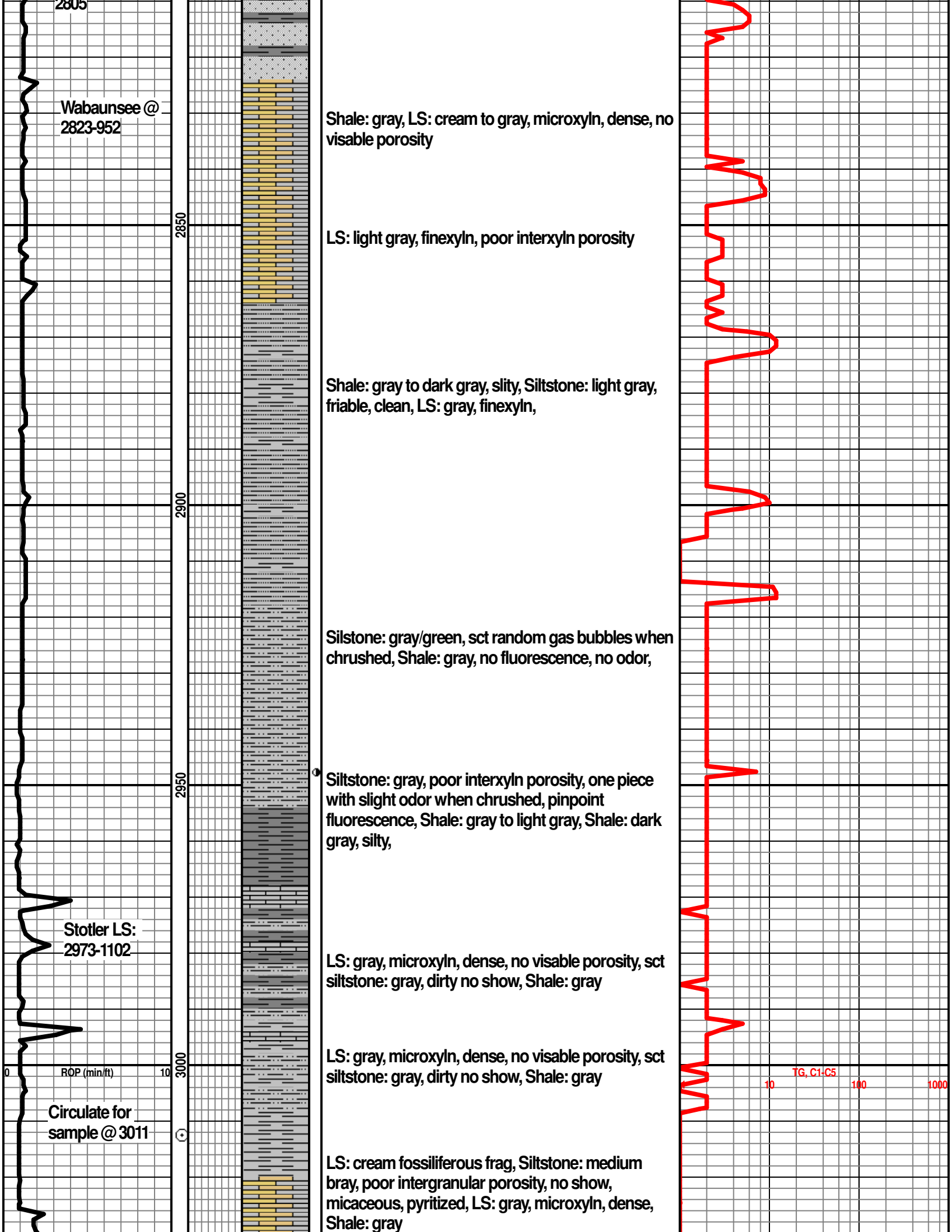
STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

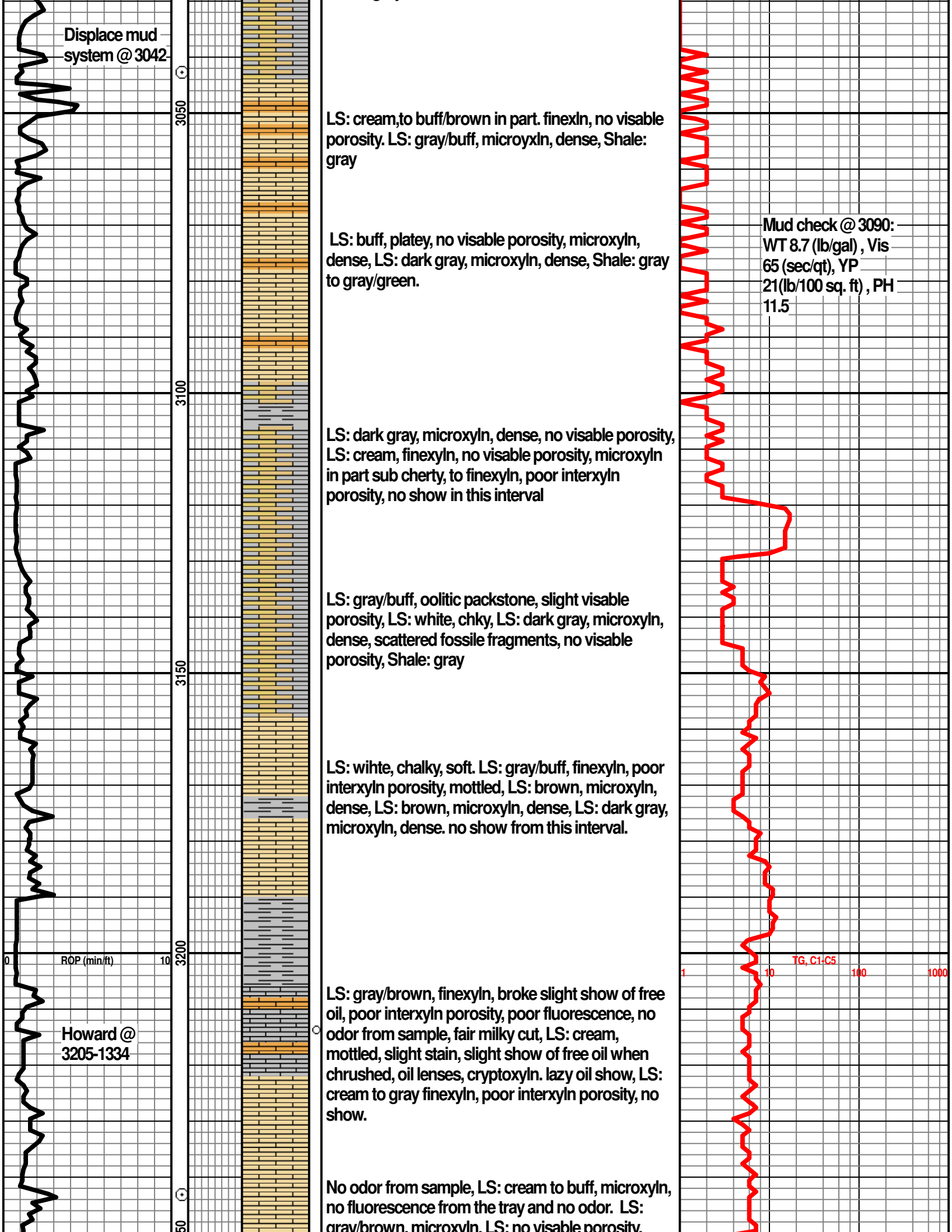
TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

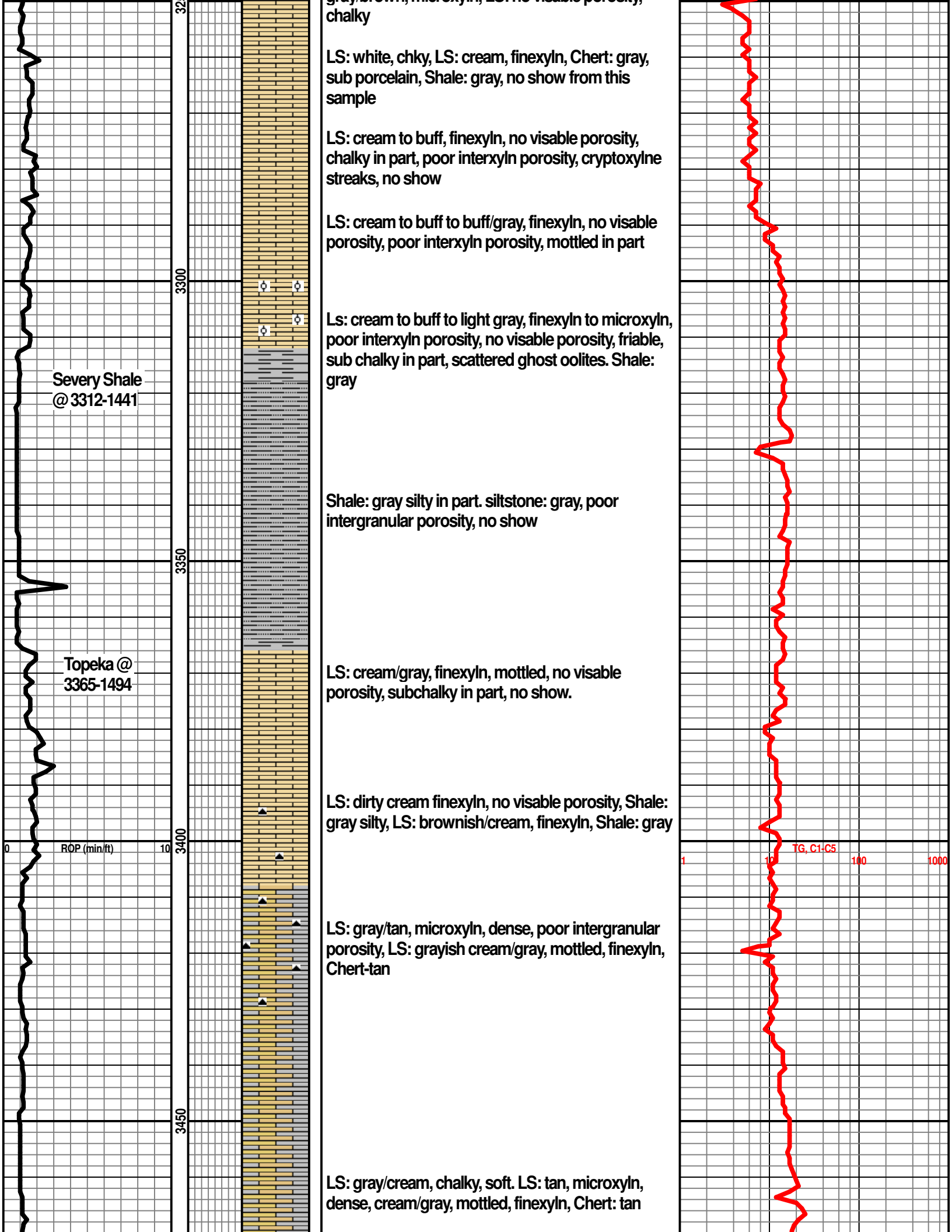
ROCK TYPES
- Anhy
- Chtred
- Cht
- Congl
- Shale
- Shgy
- gray scaless
- Ss
- Carb shale
- Gray shale
- Sandy lmst
- Shale
- Slt stn
- Shaly slst
- Slty shale
- Blank
- Gray lmst
- Cream lmst
- Red shale
- Blue-green siltstn
- Green shale
- D. green shale
- Green shale
- Brown lmst
- Brown shale
- Brown dol
- Brown cream
- Brown cream
- D. green lmst
- pink lime
- Light cream lm
- Gray cream lms
- Green dol
- Gray dol

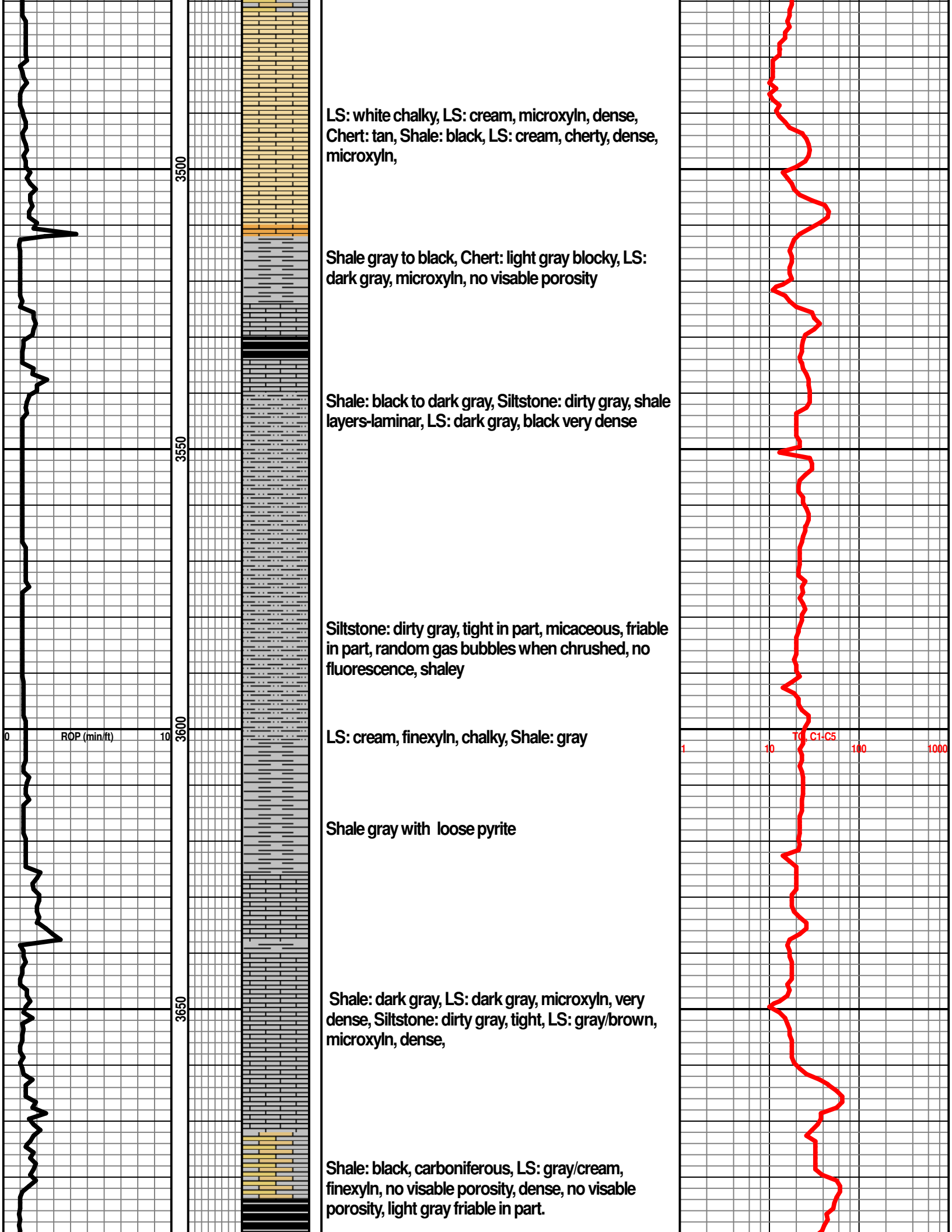

Curve Track 1
ROP (min/ft)
MD
Porosity
24%
18%
12%
6%
Lithology
Oil Shows
Geological Descriptions
TG, C1-C5
TG (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
0
ROP (min/ft)
10
24
2450
2500
2550
TG, C1-C5
10
100
1000
Mud check @2179'
WT 9.6(lb/gal) , Vis
30(sec/qt), YP
2(lb/100 sq. ft) , PH
7.0, chlorides
160.000 ppm
Shale: gray, LS: white, finexyln, friable, bright fluorescence, LS: buff, semi clear, oolitic wackstone, no visable porosity.
Shale: gray/green, LS: cream, fossiiferous, packstone with fair visable porosity, mineral fluorescence. LS: dirty gray, finexyln,
Shale: gray and red
Shale: gray, LS: dark gray, microxyln, dense, LS: cream/brown, finexlyn no visable porosity, Shale: red with redish/gray-green in part

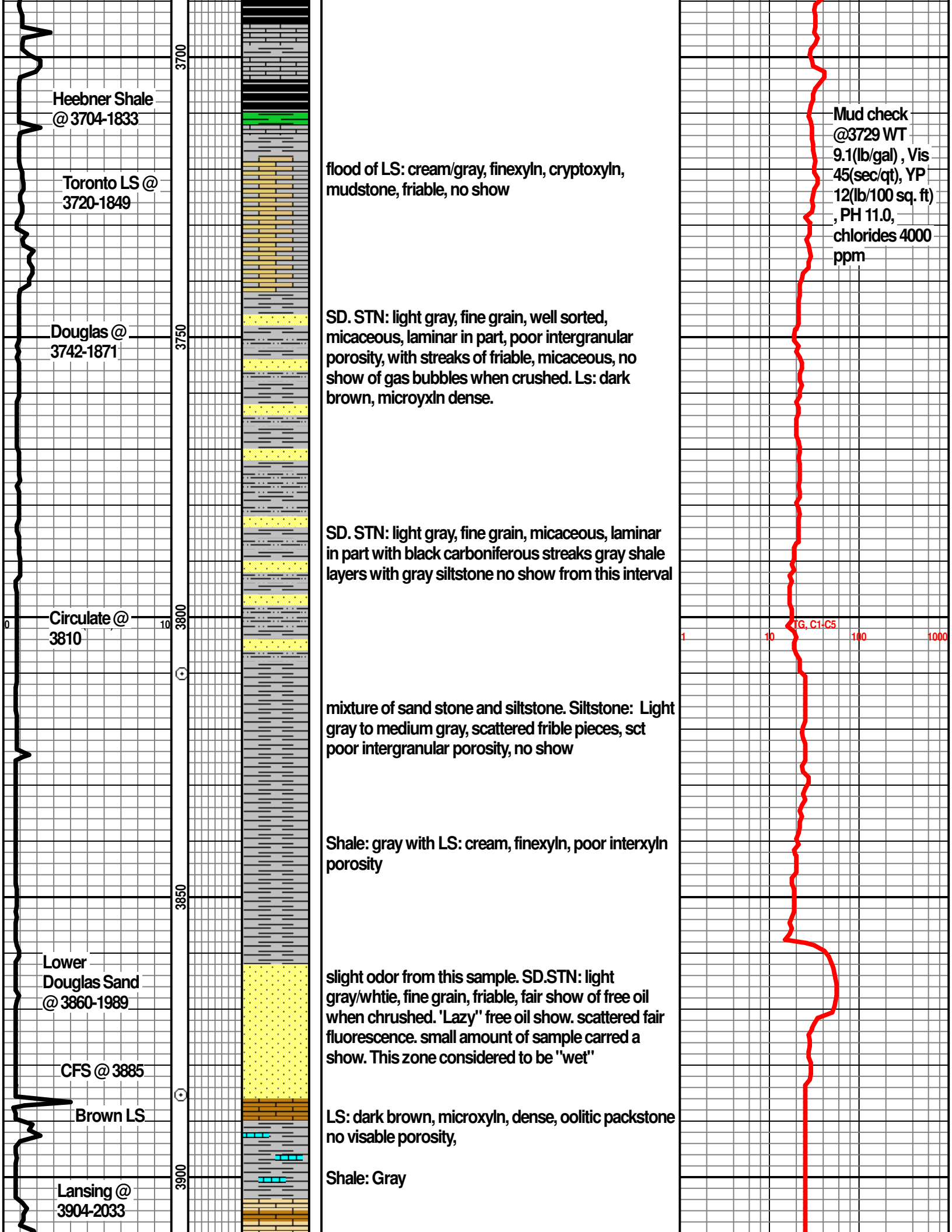

0
ROP (min/ft)
10
2600
2650
2700
2750
2800
TG, C1-C5
1
10
100
1000
LS: cream/grey, microxyln, dense, Shale: red, soft to redish/gray
Shale: dark green, LS:L light brown, oolitic packstone, slight visble porosity, fair fluorescence,
LS: light brown, finexyln, oolitic packstone, fair visable oolitic porosity, mineral fluorescence
LS: light gray, LS: brown, microxyln, dense, Shale: green
LS: gray to brownish/gray, finexyln, no visable porosity, mottled, Shale: gray
Shale: gray, LS: gray, finexyln, mottled
Onega Shale
@: 2777-906
LS: cream, finexyln, poor interxyln porosity, Shale: gray, LS: darker gray, finexyln, fossiliferous, no visable porosity, poor interxyln porosity, SD. STN: light gray, micaceous, carboniferous in part, poor to no fluorescence, no show of gas bubbles when chrushed. 2805 Circulation sample, SD. STN: A.A. also add very dense in part no fluorescence, no show of gas bubbles when chrushed, mostly gray shale.
Circulate @

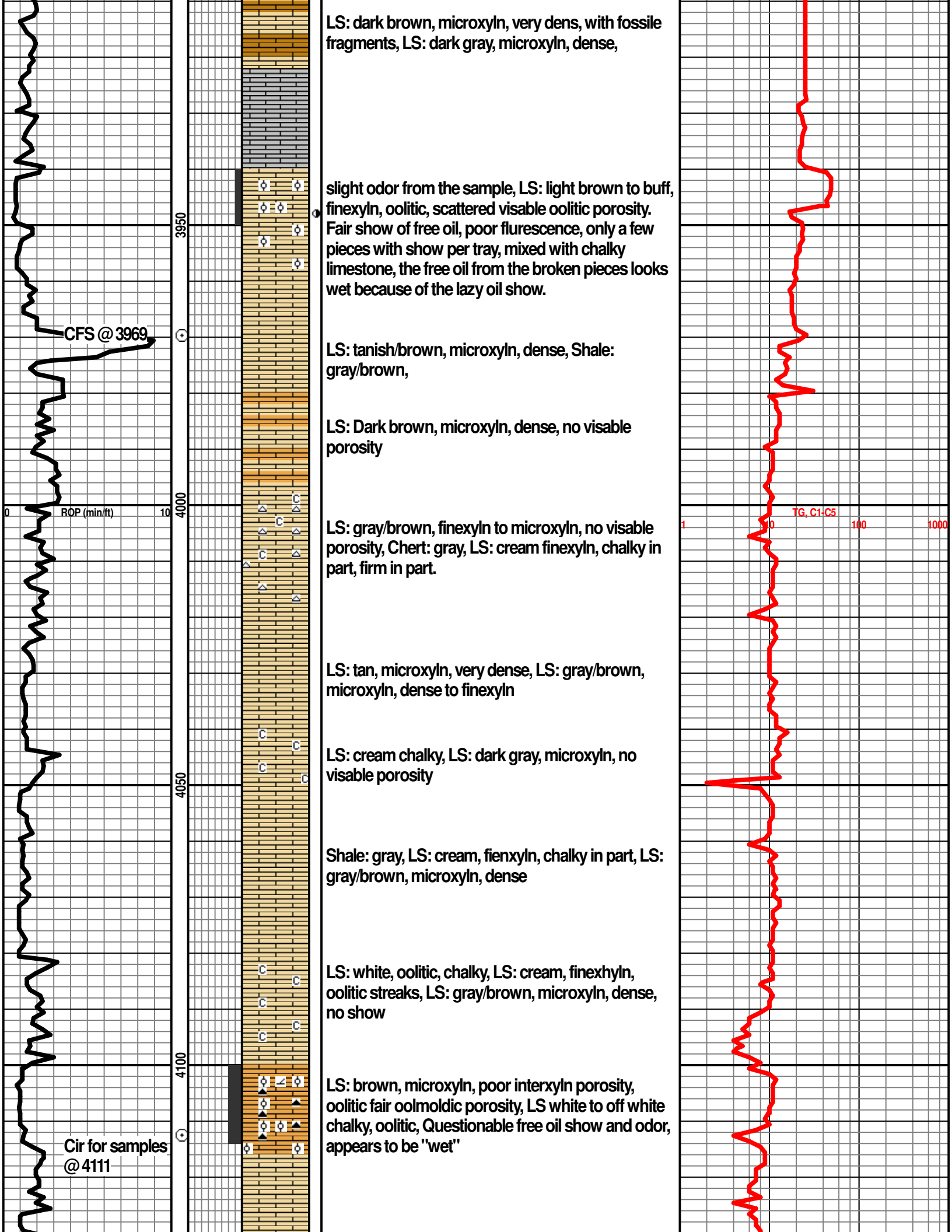

2805
Wabaunsee @
2823-952
2850
2900
2950
Stotler LS:
2973-1102
3000
0
ROP (min/ft)
10
Circulate for
sample @ 3011
Shale: gray, LS: cream to gray, microxyln, dense, no visable porosity
LS: light gray, finexyln, poor interxyln porosity
Shale: gray to dark gray, slity, Siltstone: light gray, friable, clean, LS: gray, finexyln,
Silstone: gray/green, sct random gas bubbles when chrushed, Shale: gray, no fluorescence, no odor,
Siltstone: gray, poor interxyln porosity, one piece with slight odor when chrushed, pinpoint fluorescence, Shale: gray to light gray, Shale: dark gray, silty,
LS: gray, microxyln, dense, no visable porosity, sct siltstone: gray, dirty no show, Shale: gray
LS: gray, microxyln, dense, no visable porosity, sct siltstone: gray, dirty no show, Shale: gray
LS: cream fossiliferous frag, Siltstone: medium bray, poor intergranular porosity, no show, micaceous, pyritized, LS: gray, microxyln, dense, Shale: gray
TG, C1-C5
10
100
1000

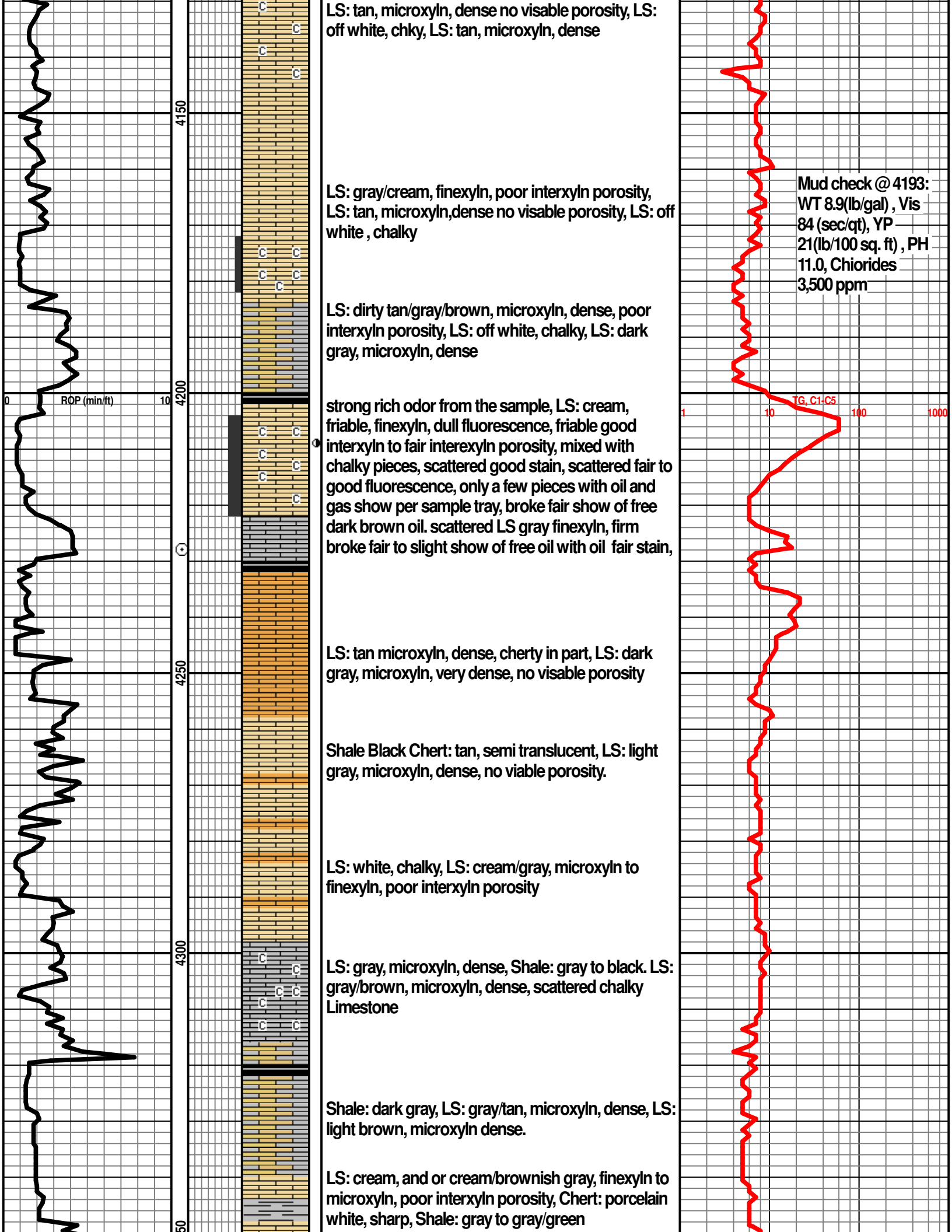

Displace mud system @ 3042
3050
LS: cream,to buff/brown in part. finexln, no visable porosity. LS: gray/buff, microyxln, dense, Shale: gray
LS: buff, platey, no visable porosity, microxyln, dense, LS: dark gray, microxyln, dense, Shale: gray to gray/green.
Mud check @ 3090: WT 8.7 (lb/gal) , Vis 65 (sec/qt), YP 21(lb/100 sq. ft) , PH 11.5
3100
LS: dark gray, microxyln, dense, no visable porosity, LS: cream, finexyln, no visable porosity, microxyln in part sub cherty, to finexyln, poor interxyln porosity, no show in this interval
LS: gray/buff, oolitic packstone, slight visable porosity, LS: white, chky, LS: dark gray, microxyln, dense, scattered fossile fragments, no visable porosity, Shale: gray
3150
LS: wihte, chalky, soft. LS: gray/buff, finexyln, poor interxyln porosity, mottled, LS: brown, microxyln, dense, LS: brown, microxyln, dense, LS: dark gray, microxyln, dense. no show from this interval.
3200
0
ROP (min/ft)
10
TG, C1-C5
1
10
100
1000
Howard @ 3205-1334
LS: gray/brown, finexyln, broke slight show of free oil, poor interxyln porosity, poor fluorescence, no odor from sample, fair milky cut, LS: cream, mottled, slight stain, slight show of free oil when chrushed, oil lenses, cryptoxyln. lazy oil show, LS: cream to gray finexyln, poor interxyln porosity, no show.
No odor from sample, LS: cream to buff, microxyln, no fluorescence from the tray and no odor. LS: gray/brown, microxyln, LS: no visable porosity,

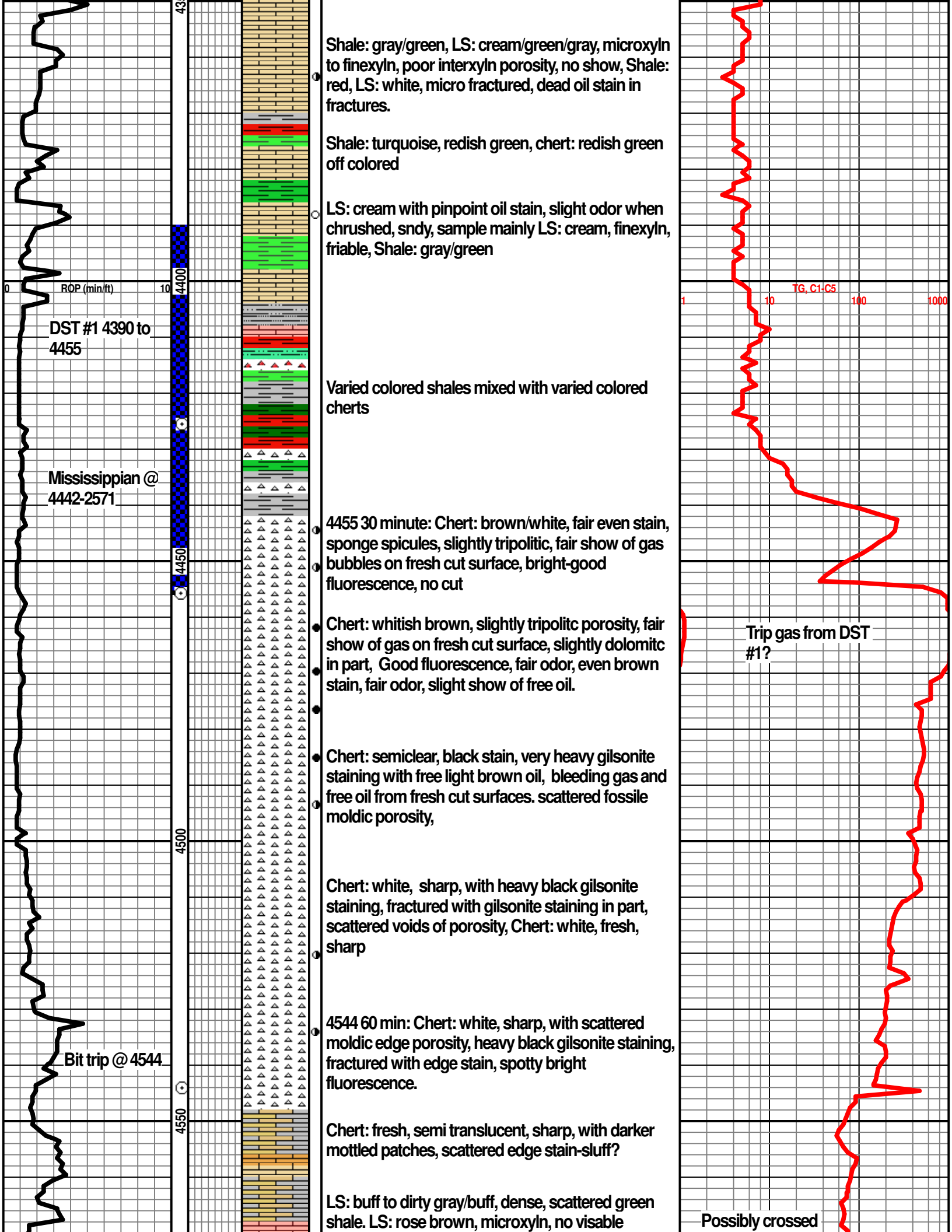

chalky
LS: white, chky, LS: cream, finexyln, Chert: gray, sub porcelain, Shale: gray, no show from this sample
LS: cream to buff, finexyln, no visable porosity, chalky in part, poor interxyln porosity, cryptoxylne streaks, no show
LS: cream to buff to buff/gray, finexyln, no visable porosity, poor interxyln porosity, mottled in part
Ls: cream to buff to light gray, finexyln to microxyln, poor interxyln porosity, no visable porosity, friable, sub chalky in part, scattered ghost oolites. Shale: gray
Severy Shale @3312-1441
Shale: gray silty in part. siltstone: gray, poor intergranular porosity, no show
Topeka @ 3365-1494
LS: cream/gray, finexyln, mottled, no visable porosity, subchalky in part, no show.
LS: dirty cream finexyln, no visable porosity, Shale: gray silty, LS: brownish/cream, finexyln, Shale: gray
0
ROP (min/ft)
10
3300
3350
3400
3450
TG, C1-C5
1
10
100
1000
LS: gray/tan, microxyln, dense, poor intergranular porosity, LS: grayish cream/gray, mottled, finexyln, Chert-tan
LS: gray/cream, chalky, soft. LS: tan, microxyln, dense, cream/gray, mottled, finexyln, Chert: tan

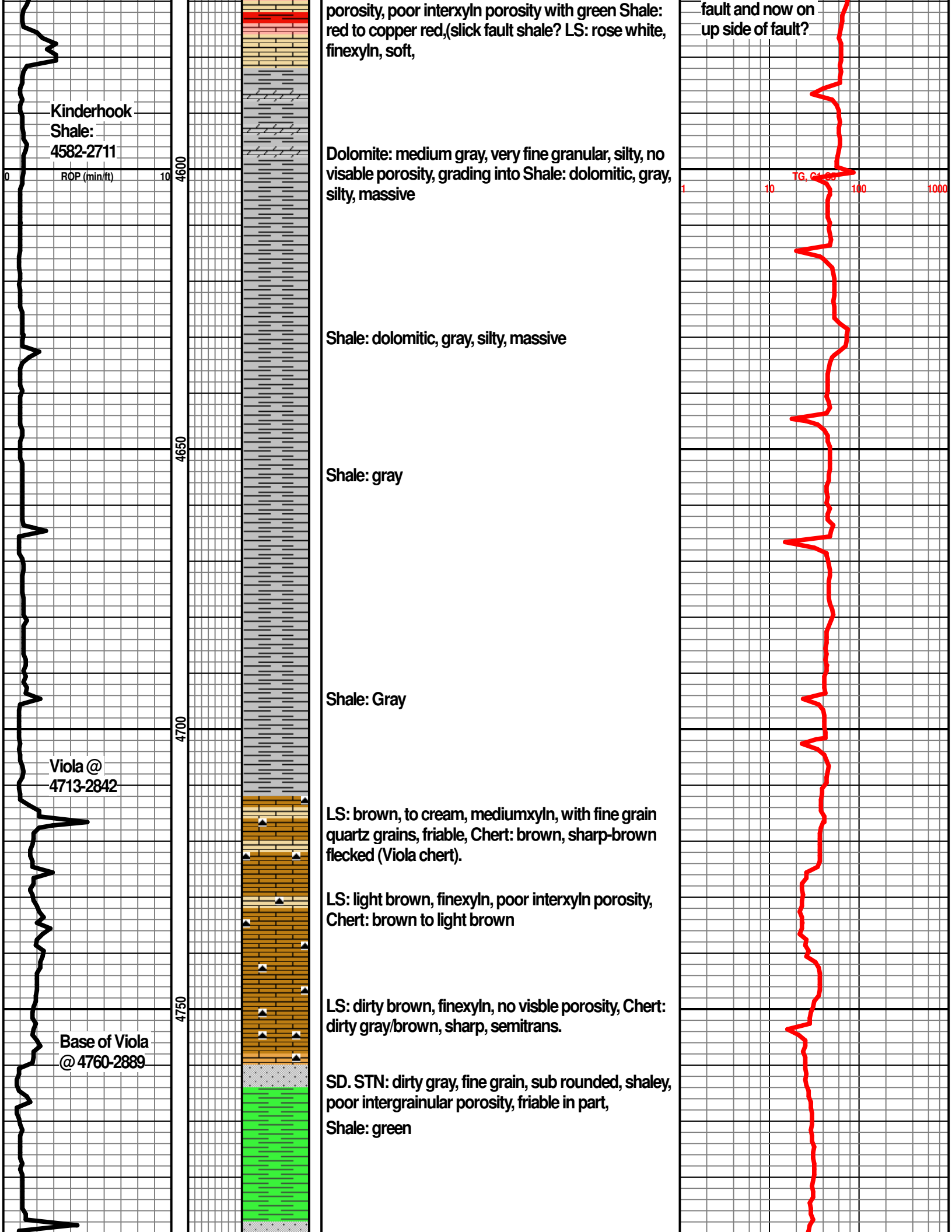

3500
3550
3600
3650
0
ROP (min/ft)
10
TG, C1-C5
1
10
100
1000
LS: white chalky, LS: cream, microxyln, dense, Chert: tan, Shale: black, LS: cream, cherty, dense, microxyln,
Shale gray to black, Chert: light gray blocky, LS: dark gray, microxyln, no visable porosity
Shale: black to dark gray, Siltstone: dirty gray, shale layers-laminar, LS: dark gray, black very dense
Siltstone: dirty gray, tight in part, micaceous, friable in part, random gas bubbles when chrushed, no fluorescence, shaley
LS: cream, finexyln, chalky, Shale: gray
Shale gray with loose pyrite
Shale: dark gray, LS: dark gray, microxyln, very dense, Siltstone: dirty gray, tight, LS: gray/brown, microxyln, dense,
Shale: black, carboniferous, LS: gray/cream, finexyln, no visable porosity, dense, no visable porosity, light gray friable in part.

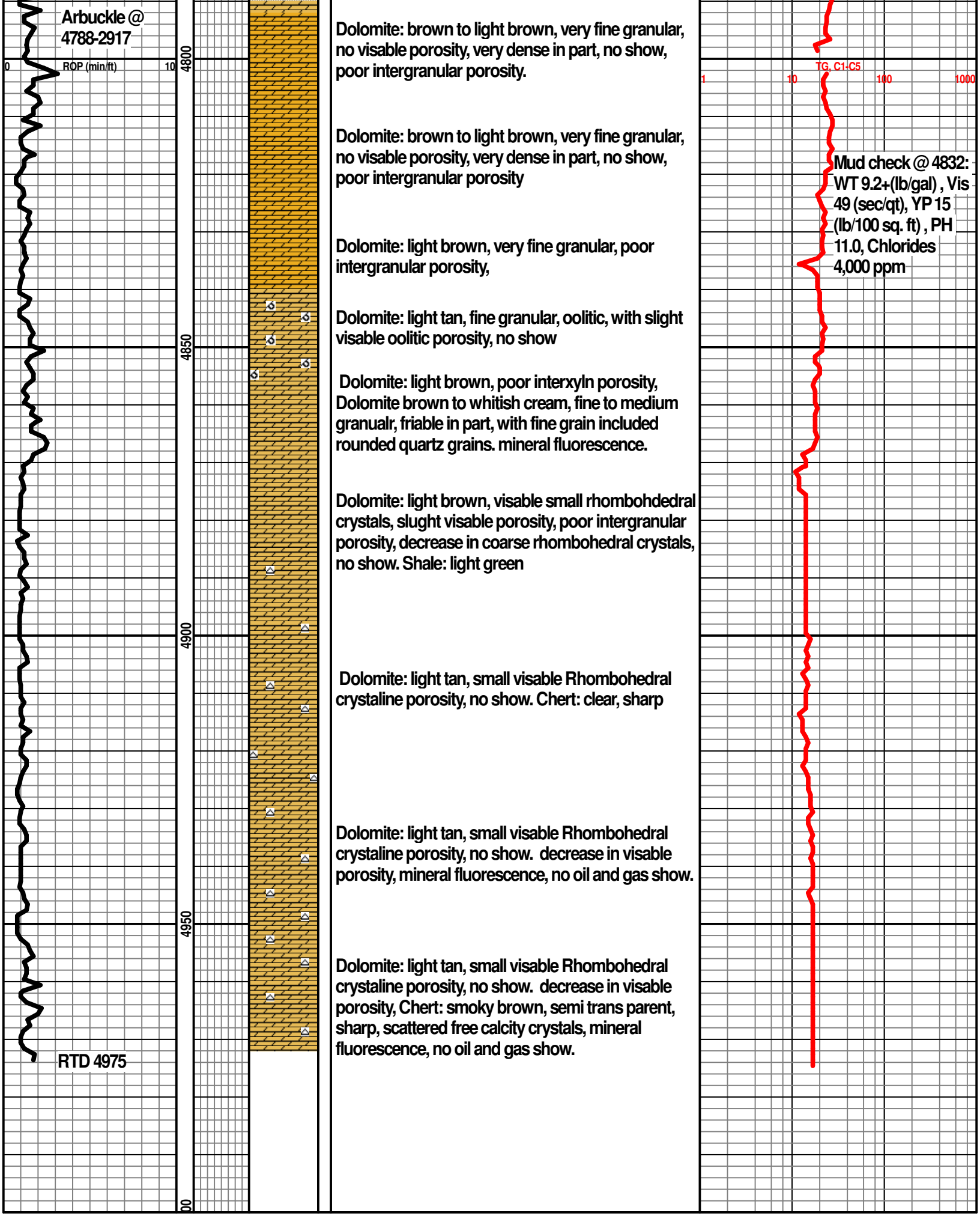

Heebner Shale @ 3704-1833
Toronto LS @ 3720-1849
Douglas @ 3742-1871
Circulate @ 3810
Lower Douglas Sand @ 3860-1989
CFS @ 3885
Brown LS
Lansing @ 3904-2033
3700
3750
3800
3850
3900
0
10
flood of LS: cream/gray, finexyln, cryptoxyln, mudstone, friable, no show
SD. STN: light gray, fine grain, well sorted, micaceous, laminar in part, poor intergranular porosity, with streaks of friable, micaceous, no show of gas bubbles when crushed. Ls: dark brown, microyxln dense.
SD. STN: light gray, fine grain, micaceous, laminar in part with black carboniferous streaks gray shale layers with gray siltstone no show from this interval
mixture of sand stone and siltstone. Siltstone: Light gray to medium gray, scattered frible pieces, sct poor intergranular porosity, no show
Shale: gray with LS: cream, finexyln, poor interxyln porosity
slight odor from this sample. SD.STN: light gray/whtie, fine grain, friable, fair show of free oil when chrushed. 'Lazy'' free oil show. scattered fair fluorescence. small amount of sample carred a show. This zone considered to be ''wet''
LS: dark brown, microxyln, dense, oolitic packstone no visable porosity,
Shale: Gray
Mud check @3729 WT 9.1(lb/gal) , Vis 45(sec/qt), YP 12(lb/100 sq. ft) , PH 11.0, chlorides 4000 ppm
TG, C1-C5
1
10
100
1000


LS: dark brown, microxyln, very dens, with fossile fragments, LS: dark gray, microxyln, dense,
slight odor from the sample, LS: light brown to buff, finexyln, oolitic, scattered visable oolitic porosity. Fair show of free oil, poor flurescence, only a few pieces with show per tray, mixed with chalky limestone, the free oil from the broken pieces looks wet because of the lazy oil show.
CFS @ 3969
LS: tanish/brown, microxyln, dense, Shale: gray/brown,
LS: Dark brown, microxyln, dense, no visable porosity
0
ROP (min/ft)
10
3950
4000
TG, C1-C5
1
10
100
1000
LS: gray/brown, finexyln to microxyln, no visable porosity, Chert: gray, LS: cream finexyln, chalky in part, firm in part.
LS: tan, microxyln, very dense, LS: gray/brown, microxyln, dense to finexyln
LS: cream chalky, LS: dark gray, microxyln, no visable porosity
4050
Shale: gray, LS: cream, fienxyln, chalky in part, LS: gray/brown, microxyln, dense
LS: white, oolitic, chalky, LS: cream, finexhyln, oolitic streaks, LS: gray/brown, microxyln, dense, no show
4100
LS: brown, microxyln, poor interxyln porosity, oolitic fair oolmoldic porosity, LS white to off white chalky, oolitic, Questionable free oil show and odor, appears to be "wet"
Cir for samples @ 4111


0
ROP (min/ft)
10
4150
4200
4250
4300
4350
LS: tan, microxyln, dense no visable porosity, LS: off white, chky, LS: tan, microxyln, dense
LS: gray/cream, finexyln, poor interxyln porosity, LS: tan, microxyln,dense no visable porosity, LS: off white , chalky
LS: dirty tan/gray/brown, microxyln, dense, poor interxyln porosity, LS: off white, chalky, LS: dark gray, microxyln, dense
strong rich odor from the sample, LS: cream, friable, finexyln, dull fluorescence, friable good interxyln to fair interexyln porosity, mixed with chalky pieces, scattered good stain, scattered fair to good fluorescence, only a few pieces with oil and gas show per sample tray, broke fair show of free dark brown oil. scattered LS gray finexyln, firm broke fair to slight show of free oil with oil fair stain,
LS: tan microxyln, dense, cherty in part, LS: dark gray, microxyln, very dense, no visable porosity
Shale Black Chert: tan, semi translucent, LS: light gray, microxyln, dense, no viable porosity.
LS: white, chalky, LS: cream/gray, microxyln to finexyln, poor interxyln porosity
LS: gray, microxyln, dense, Shale: gray to black. LS: gray/brown, microxyln, dense, scattered chalky Limestone
Shale: dark gray, LS: gray/tan, microxyln, dense, LS: light brown, microxyln dense.
LS: cream, and or cream/brownish gray, finexyln to microxyln, poor interxyln porosity, Chert: porcelain white, sharp, Shale: gray to gray/green
Mud check @ 4193: WT 8.9(lb/gal) , Vis 84 (sec/qt), YP 21(lb/100 sq. ft) , PH 11.0, Chiorides 3,500 ppm
TG, C1-C5
1
10
100
1000


ROP (min/ft)
0
10
4400
4450
4500
4550
DST #1 4390 to 4455
Mississippian @ 4442-2571
Bit trip @ 4544
Shale: gray/green, LS: cream/green/gray, microxyln to finexyln, poor interxyln porosity, no show, Shale: red, LS: white, micro fractured, dead oil stain in fractures.
Shale: turquoise, redish green, chert: redish green off colored
LS: cream with pinpoint oil stain, slight odor when chrushed, sndy, sample mainly LS: cream, finexyln, friable, Shale: gray/green
Varied colored shales mixed with varied colored cherts
4455 30 minute: Chert: brown/white, fair even stain, sponge spicules, slightly tripolitic, fair show of gas bubbles on fresh cut surface, bright-good fluorescence, no cut
Chert: whitish brown, slightly tripolitc porosity, fair show of gas on fresh cut surface, slightly dolomitc in part, Good fluorescence, fair odor, even brown stain, fair odor, slight show of free oil.
Chert: semiclear, black stain, very heavy gilsonite staining with free light brown oil, bleeding gas and free oil from fresh cut surfaces. scattered fossile moldic porosity,
Chert: white, sharp, with heavy black gilsonite staining, fractured with gilsonite staining in part, scattered voids of porosity, Chert: white, fresh, sharp
4544 60 min: Chert: white, sharp, with scattered moldic edge porosity, heavy black gilsonite staining, fractured with edge stain, spotty bright fluorescence.
Chert: fresh, semi translucent, sharp, with darker mottled patches, scattered edge stain-sluff?
LS: buff to dirty gray/buff, dense, scattered green shale. LS: rose brown, microxyln, no visable
TG, C1-C5
1
10
100
1000
Trip gas from DST #1?
Possibly crossed


porosity, poor interxyln porosity with green Shale: red to copper red,(slick fault shale? LS: rose white, finexyln, soft,
fault and now on up side of fault?
Kinderhook Shale: 4582-2711
0
ROP (min/ft)
10
4600
Dolomite: medium gray, very fine granular, silty, no visable porosity, grading into Shale: dolomitic, gray, silty, massive
TG, C1 C5
1
10
100
1000
Shale: dolomitic, gray, silty, massive
4650
Shale: gray
Shale: Gray
4700
Viola @ 4713-2842
LS: brown, to cream, mediumxyln, with fine grain quartz grains, friable, Chert: brown, sharp-brown flecked (Viola chert).
LS: light brown, finexyln, poor interxyln porosity, Chert: brown to light brown
LS: dirty brown, finexyln, no visble porosity, Chert: dirty gray/brown, sharp, semitrans.
4750
Base of Viola @ 4760-2889
SD. STN: dirty gray, fine grain, sub rounded, shaley, poor intergrainular porosity, friable in part,
Shale: green



Dolomite: brown to light brown, very fine granular, no visable porosity, very dense in part, no show, poor intergranular porosity.

Dolomite: brown to light brown, very fine granular, no visable porosity, very dense in part, no show, poor intergranular porosity

Dolomite: light brown, very fine granular, poor intergranular porosity,

Dolomite: light tan, fine granular, oolitic, with slight visable oolitic porosity, no show

Dolomite: light brown, poor interxyln porosity, Dolomite brown to whitish cream, fine to medium granualr, friable in part, with fine grain included rounded quartz grains. mineral fluorescence.

Dolomite: light brown, visable small rhombohdedral crystals, slught visable porosity, poor intergranular porosity, decrease in coarse rhombohedral crystals, no show. Shale: light green

Dolomite: light tan, small visable Rhombohedral crystaline porosity, no show. Chert: clear, sharp

Dolomite: light tan, small visable Rhombohedral crystaline porosity, no show. decrease in visable porosity, mineral fluorescence, no oil and gas show.

Dolomite: light tan, small visable Rhombohedral crystaline porosity, no show. decrease in visable porosity, Chert: smoky brown, semi trans parent, sharp, scattered free calcity crystals, mineral fluorescence, no oil and gas show.