

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](mailto: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)*

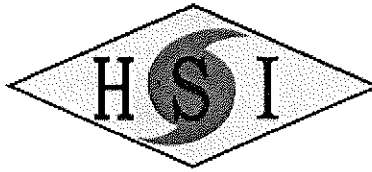
Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water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

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:

VAL ENERGY, INC.  
125 N MARKET  
STE 1710  
Wichita, KS 67202

Invoice Date: 9/15/2023  
Invoice #: 0371215  
Lease Name: J.O.  
Well #: 4-35 (New)  
County: Cowley, Ks  
Job Number: EP10543  
District: Eureka

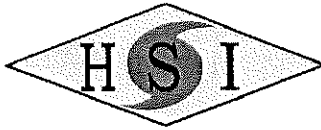
Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
Depth Charge 3001'-4000'	1.000	2,250.000	2,250.00
Heavy Equipment Mileage	80.000	4.000	320.00
Light Eq Mileage	80.000	2.000	160.00
Cement Pozmix 60/40	135.000	16.000	2,160.00
Bentonite Gel	700.000	0.450	315.00
Pheno Seal	270.000	1.750	472.50
H842 Thickset	100.000	27.500	2,750.00
KOL Seal	500.000	0.750	375.00
Pheno Seal	200.000	1.750	350.00
Ton Mileage	970.000	1.500	1,455.00
KCL-CS701	2.000	30.000	60.00
5 1/2" Floatshoe-Flapper AFU	1.000	375.000	375.00
5 1/2" LD Plug & Baffle	1.000	350.000	350.00
Centralizers 5 1/2"	5.000	60.000	300.00
Cement baskets 5 1/2"	1.000	300.000	300.00
Service Supervisor	1.000	275.000	275.00

**Total** 12,267.50

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**



<b>Customer</b> Val Energy Inc		<b>Lease &amp; Well #</b> J.O. #4-35		<b>Date</b> 9/15/2023		
<b>Service District</b> Eureka		<b>County &amp; State</b> Cowley, Ks		<b>Legals S/T/R</b> 35-33S-5E		
<b>Job Type</b> Longstring		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		<input checked="" type="checkbox"/> YES <input type="checkbox"/> No		
<b>Equipment #</b>		<b>Driver</b>		<b>Ticket #</b> EP10543		
1004 Kevin M		1201 Alan M		1213 Steve M		
1212 Josh M						
<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>						
<input checked="" type="checkbox"/> Hard hat		<input checked="" type="checkbox"/> Gloves		<input type="checkbox"/> Lockout/Tagout		
<input checked="" type="checkbox"/> H2S Monitor		<input checked="" type="checkbox"/> Eye Protection		<input type="checkbox"/> Required Permits		
<input checked="" type="checkbox"/> Safety Footwear		<input type="checkbox"/> Respiratory Protection		<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards		
<input checked="" type="checkbox"/> FRC/Protective Clothing		<input type="checkbox"/> Additional Chemical/Acid PPE		<input checked="" type="checkbox"/> Overhead Hazards		
<input type="checkbox"/> Hearing Protection		<input checked="" type="checkbox"/> Fire Extinguisher		<input type="checkbox"/> Additional concerns or issues noted below		
<input type="checkbox"/> Warning Signs & Flagging		<input type="checkbox"/> Fall Protection		<input checked="" type="checkbox"/> Specific Job Sequence/Expectations		
<input checked="" type="checkbox"/> Muster Point/Medical Locations						
<b>Comments</b>						
API # 15-035-73789-00-00						
<b>Product/ Service Code</b>						
<b>Description</b>		<b>Unit of Measure</b>		<b>Quantity</b>		
<b>Net Amount</b>						
D014	Depth Charge: 3000' - 4000'	job	1.00		\$2,250.00	
M010	Heavy Equipment Mileage	mi	80.00		\$320.00	
M015	Light Equipment Mileage	mi	80.00		\$160.00	
CP070	60/40 Pozmix Cement A	sack	135.00		\$2,160.00	
CP095	Bentonite Gel 6%	lb	760.00		\$315.00	
CP125	Phenoseal 2#/sx	lb	270.00		\$472.50	
CP062	H 842 Thick Set Cement	sack	100.00		\$2,750.00	
CP110	Kol-Seal 5#/sx	lb	500.00		\$375.00	
CP125	Phenoseal 2#/sx	lb	200.00		\$350.00	
M020	Ton Mileage	tm	970.00		\$1,455.00	
AF055	Liquid KCL Substitute	gal	2.00		\$60.00	
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00		\$375.00	
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00		\$350.00	
FE125	5 1/2" Centralizer	ea	5.00		\$300.00	
FE130	5 1/2" Cement Basket	ea	1.00		\$300.00	
R061	Service Supervisor	day	1.00		\$275.00	
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>					<b>Not:</b>	\$12,287.50
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10					<b>Total Taxable</b>	\$ -
					<b>Tax Rate:</b>	
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.					<b>Sales Tax:</b>	\$ -
					<b>Total:</b>	\$
HSI Representative: <i>Thank You Kevin McCoy</i>						

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X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**



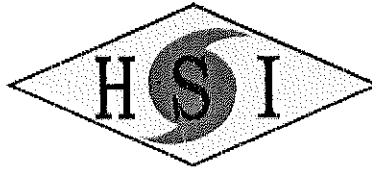
**CEMENT TREATMENT REPORT**

Customer:	Val Energy Inc	Well:	J.O. #4-35	Ticket:	EP10543
City, State:	Wichita, Ks	County:	Cowley, Ks	Date:	9/15/2023
Field Rep:	Rick Smith	S-T-R:	35-33S-5E	Service:	Longstring

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	60/40 Pozmix A	Blend:	Thick Set Cement
Hole Depth:	3300 ft	Weight:	13.3 ppg	Weight:	13.8 ppg
Casing Size:	5 1/2 in	Water / Sx:	8.5 gal / sx	Water / Sx:	9.0 gal / sx
Casing Depth:	3287 KB ft	Yield:	1.66 ft <sup>3</sup> / sx	Yield:	1.85 ft <sup>3</sup> / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	82.5 bbls	Total Slurry:	29.0 bbls	Total Slurry:	33.0 bbls
		Total Sacks:	100 sx	Total Sacks:	100 sx

TIME	RATE	PSI	BBLs	STAGE	TOTAL BBLs	REMARKS
			-		-	Safety Meeting:
					-	5 1/2" 14# used casing set @ 3287' K.B. w/ no shoe jt.
					-	Centralizers ran on #2,4,6,8,10 Basket ran on top of #5
					-	Rig up to 5 1/2" casing
					-	Break circulation w/ 12bbl fresh water
					-	Mixed 100sx 60/40 Pozmix Cement A w/ 6% gel, 2# ponoseal/sx @ 13.3#/gal, yield 1.66 = 29bbl slurry
					-	Tall in w/ 100sx Thick Set Cement w/ 5# kolseal/sx, 2# phonoseal/sx @ 13.8#/gal, yield 1.85, = 33bbl slurry
					-	Wsh out pump & lines
					-	Shut down, release latch down plug
					-	Displace plug to seat w/ 82.5bbl fresh water w/ kcl in first 40 bbl
					-	Final pumping pressure 1000psi, bump plug to 1500psi
						Wait 2 mins, release pressure, float & plug held
						Good circulation @ all times during cementing procedures
						Note: plug RH w/ 20sx 60/40, MH w/ 15sx 60/40
						Job Complete, Rig down

CREW			UNIT	SUMMARY		
Cementer:	Kevin M		1004	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Aian M		1201	0.0 bpm	- psi	- bbls
Bulk #1:	Steve M		1213			
Bulk #2:	Josh M		1212			



**HURRICANE SERVICES INC**

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:  
VAL ENERGY, INC.  
125 N MARKET  
STE 1710  
Wichita, KS 67202

Invoice Date: 9/12/2023  
Invoice #: 0371189  
Lease Name: J.O.  
Well #: 4-35 (New)  
County: Cowley, Ks  
Job Number: EP10486  
District: Eureka

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Heavy Equipment Mileage	80.000	4.000	320.00
Ton Mileage	514.800	1.500	772.20
Cement Class A	130.000	20.000	2,600.00
Calcium Chloride	365.000	0.750	273.75
Bentonite Gel	245.000	0.450	110.25
Cello Flake	32.000	1.750	56.00

**Total** 5,132.20

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**WE APPRECIATE YOUR BUSINESS!**



<b>Customer</b> Val Energy Inc		<b>Lease &amp; Well #</b> J.O. #4-35		<b>Date</b> 9/12/2023	
<b>Service District</b> Eureka		<b>County &amp; State</b> Cowley, Ks		<b>Job #</b>	
<b>Job Type</b> Surface		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		<b>Legals S/T/R</b> New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No	
<b>Equipment #</b>		<b>Driver</b>		<b>Ticket #</b> EP10486	
1214		David		<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b> <input checked="" type="checkbox"/> Hard hat <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Lockout/Tagout <input type="checkbox"/> Warning Signs & Flagging <input checked="" type="checkbox"/> H2S Monitor <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> Required Permits <input type="checkbox"/> Fall Protection <input checked="" type="checkbox"/> Safety Footwear <input type="checkbox"/> Respiratory Protection <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards <input type="checkbox"/> Specific Job Sequence/Expectations <input type="checkbox"/> FRC/Protective Clothing <input type="checkbox"/> Additional Chemical/Acid PPE <input checked="" type="checkbox"/> Overhead Hazards <input type="checkbox"/> Muster Point/Medical Locations <input type="checkbox"/> Hearing Protection <input checked="" type="checkbox"/> Fire Extinguisher <input type="checkbox"/> Additional concerns or issues noted below	
1203		Broker			
<b>Comments</b>					
<b>Product/ Service</b>					
<b>Code</b>	<b>Description</b>	<b>Unit of Measure</b>	<b>Quantity</b>	<b>Net Amount</b>	
D010	Depth Charge: 0'-500'	job	1.00	\$1,000.00	
M010	Heavy Equipment Mileage	ml	80.00	\$320.00	
M020	Ton Mileage	tm	514.80	\$772.20	
CP010	Class A Cement	sack	130.00	\$2,600.00	
CP100	Calcium Chloride	lb	365.00	\$273.75	
CP095	Bentonite Gel	lb	245.00	\$110.25	
CP120	Cello-flake	lb	32.00	\$56.00	
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>					
				<b>Net:</b>	\$5,132.20
				<b>Total Taxable</b>	\$ -
				<b>Tax Rate:</b>	
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				<b>Sale Tax:</b>	\$ -
1 2 3 4 5 6 7 8 9 10    (1=Not at all, 10=Highly)				<b>Total:</b>	\$ 5,132.20
				<b>HSI Representative:</b> <i>David Gardner</i>	

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Timmy Stack-C&G Tool Pusher

**CUSTOMER AUTHORIZATION SIGNATURE**





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

Well Name: J.O. 4-35  
API: 15-035-24789  
Location: SE NW SE SW S35-T33S-R5E  
License Number: 5822  
Spud Date: 9/12/23  
Surface Coordinates: 805' FSL 1757' FWL  
Region: Cowley County, KS  
Drilling Completed:

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 1230' K.B. Elevation (ft): 1239'  
Logged Interval (ft): Surface To: R.T.D. Total Depth (ft):  
Formation: Mississippi Lime  
Type of Drilling Fluid: Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

#### OPERATOR

Company: Val Energy, Inc.  
Address: 125 N Market St STE 1110  
Wichita, KS 67202

#### GEOLOGIST

Name: Brandon Wolfe  
Company: Lone Wolf Well Logging, LLC  
Address: 1016 N Biddle St  
Moline, KS 67353

#### CONTRACTORS

Drilling Rig: C&G Drilling Rig 3  
Drilling FLuids: Mud Co.  
Open Hole Loge: Osage Wireline  
Cement: Elite Cementing

#### COMMENTS

### ROCK TYPES

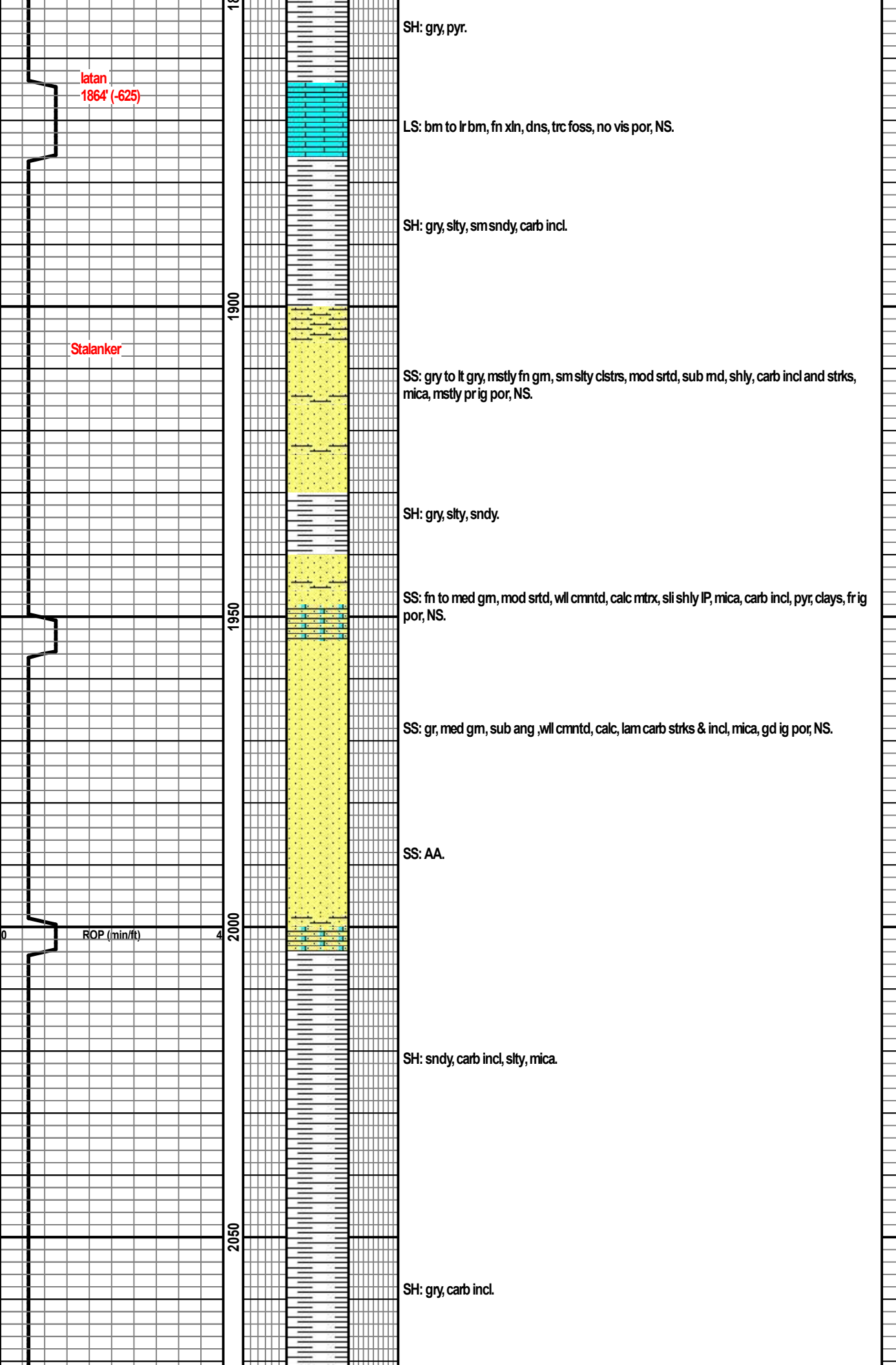
	Anhydrite		Siltstone_ii		Shaly_Is		Shaly_sdy_carb_wa
	Arkose		Shaly_ss		Carb_shaly_Is		Shaly_limy_qtz_wa
	Ark_shale		Shaly_ss_ii		Cherty_Is		Shaly_limy_qtz_wa
	Granite		Sandstone		Chert		Limy_qtz_wash
	Coal		Shaly_limy_ss		Cherty_dolo		Limy_qtz_wash_ii
	Limy_sh		Washy_limy_ss		Dolomite		Limy_qtz_wash_iii
	Shale		Limy_ss		Limestone		Qtz_wash
	Hot_shale		Sdy_Is		Conglomerate		Argil_qtz_wash
	Hot_shale_ii		Limestone		Carb_wash		Ark_qtz_wash
	Siltstone		Dolo_Is		Sdy_carb_wash		

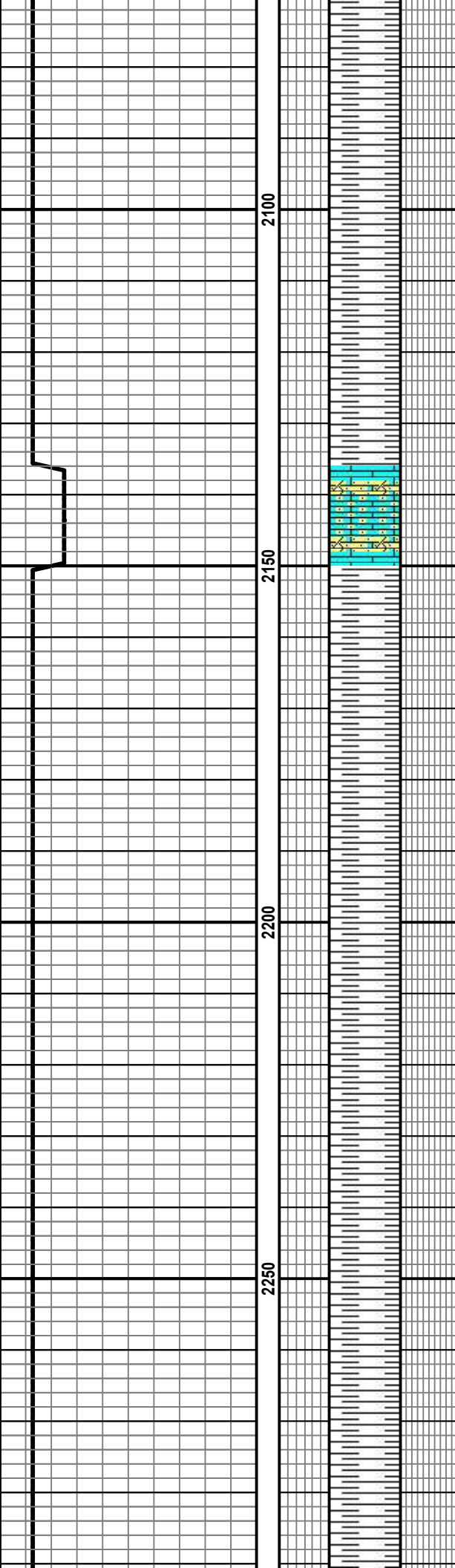
### ACCESSORIES

<b>FOSSIL</b>	<b>MINERAL</b>	<b>STRINGER</b>	<b>TEXTURE</b>
Algae	Anhy	Salt	Sandy Is str
Amph	Arggrn	Sandy	Shale
Belm	Arg	Silt	Siltstone
Bioclst	Bent	Sil	Sandstone
Brach	Bit	Sulphur	
Bryozoa	Brecfrag	Tuff	<b>TEXTURE</b>
Cephal	Calc		Boundst
Coral	Carb	<b>STRINGER</b>	Chalky
Crin	Chtdk	Arkosic inclusion	Cryxln
Echin	Chtlt	Chert inclusion	Earthy
Fish	Dol	Anhydrite	Finexln
Foram	Feldspar	Arkosic qtz str	Grainst
Fossil	Ferrpel	Arkosic qtz str ii	Lithogr
Gastro	Ferr	Arkosic str	Microxln
Oolite	Glau	Arkosic str ii	Mudst
Ostra	Gyp	Carb wash str	Packst
Pelec	Hvymin	Sandy carb wash str	Wackst
Pellet	Kaol	Coal/carb sh	
Pisolite	Marl	Dolomite	<b>OIL SHOW</b>
Plant	Minxl	Granite str	Even
Strom	Nodule	Limestone	Spotted
	Phos	Limy ss str	Ques
	Pyr	Qtz wash str	Gas show
		Limy qtz wash str	Dead

Penetration Rate ROP (min/ft)	TVD	Porosity	Lithology	Oil Shows	Geological Descriptions	Oil Shows	Remarks
ROP (min/ft)	18	24% 4%			<p>COMMENCED ONE MAN LOGGING OPERATIONS ON 9/14/23. SET 300+' OF 8 5/8" SURFACE CASING @8:30AM on 9/12/23. START LOGGING @ 1800'. Drilling ahead w/ Bit #2.</p> <p>Start 20' Wet &amp; Dry Samples</p> <p>SH: gry, sft, mshly.</p>		Start Mud Up
	350						

Note: Depth Scale is from 0-4 min/ft





SH: gry, scat Ls stmgrs, pyr.

2100

SH: gry, carb incl, pyr.

LS: gry tp nr, sndy txt, shly, fn xln, pyr, NS.

2150

SH: gry, sndy, slty, carb incl, mica.

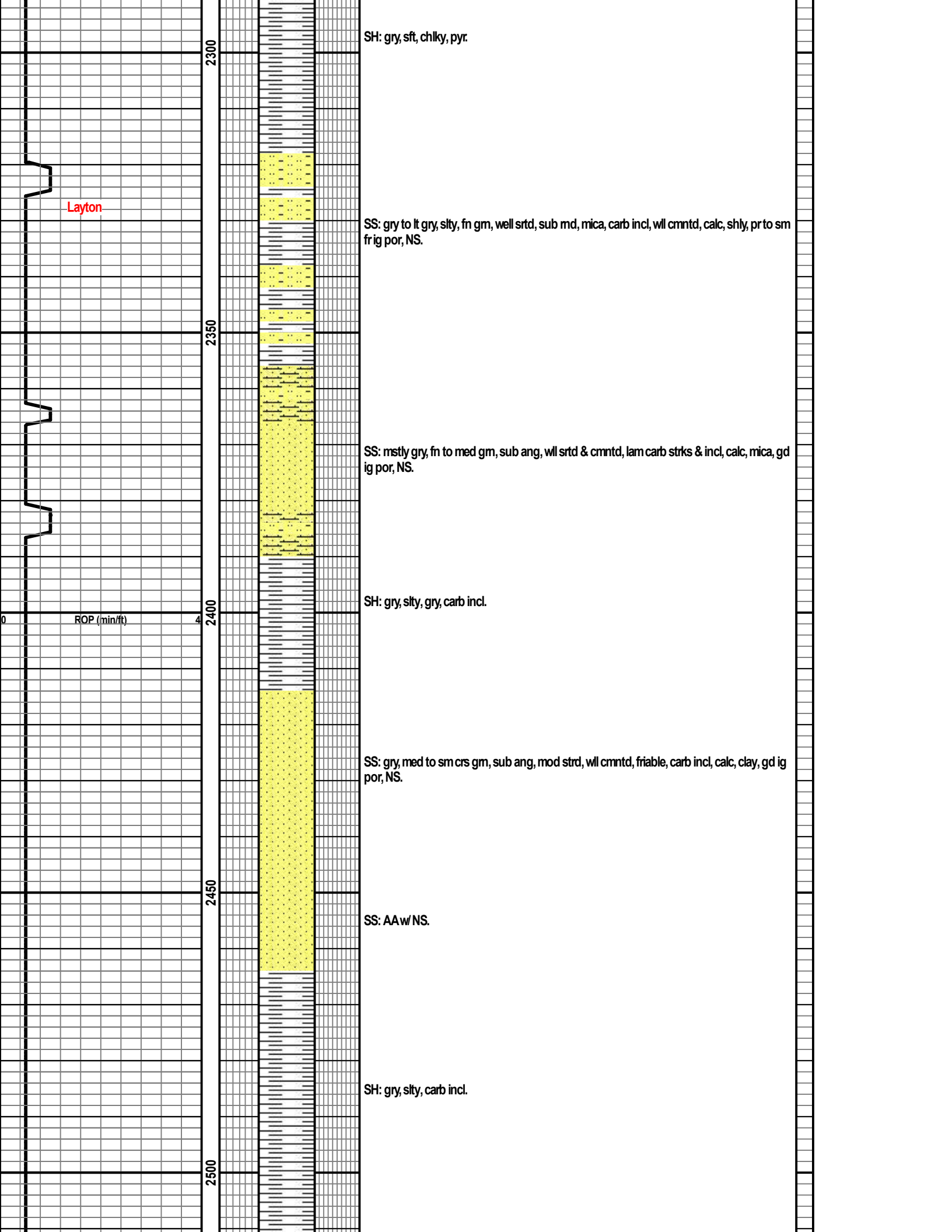
SH: gry, chnky, blk.

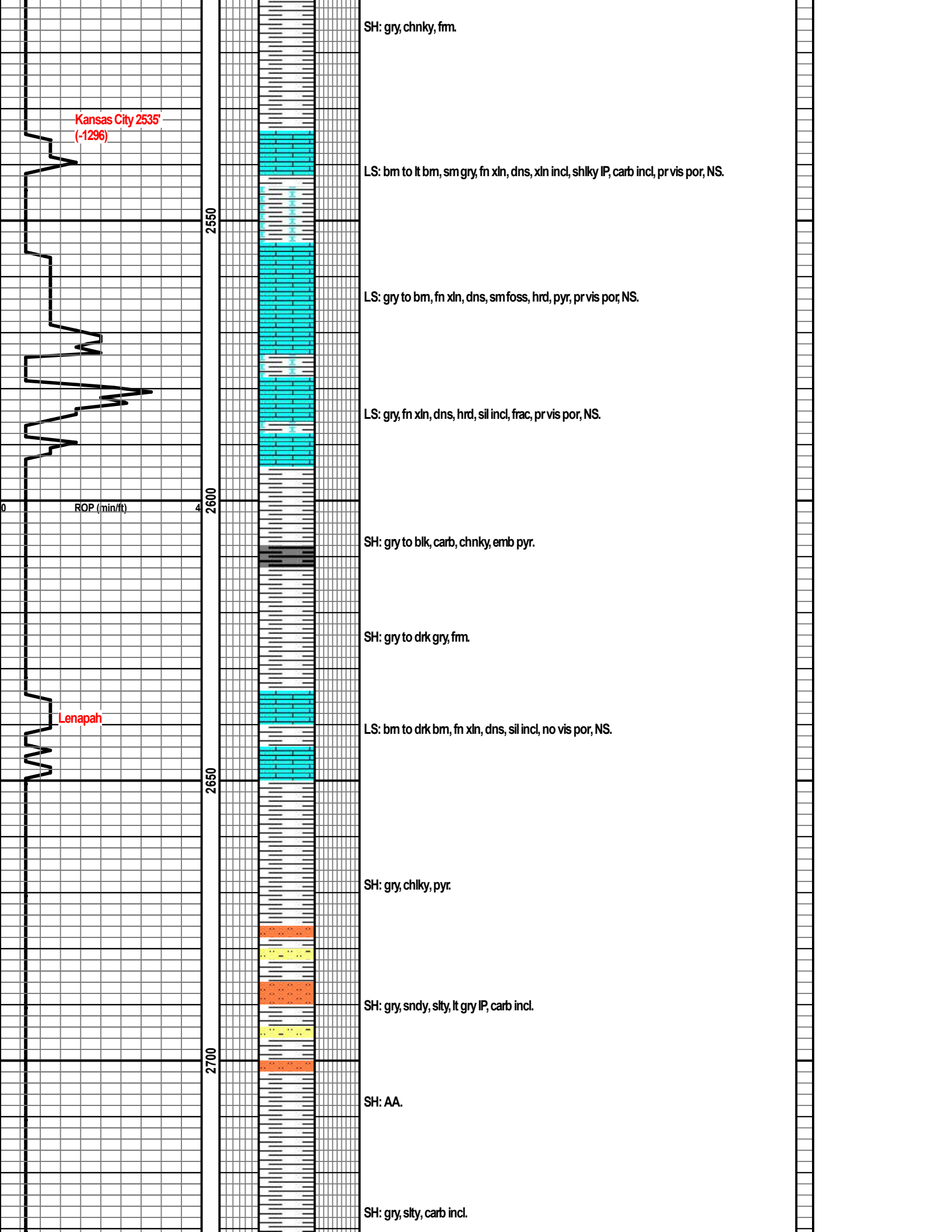
2200

SH: gry, carb incl.

2250

SH: gry, sft, chky.





Kansas City 2535'  
(-1296)

ROP (min/ft)

Lenapah

SH: gry, chnky, frm.

LS: bm to lt bm, sm gry, fn xln, dns, xln incl, shly IP, carb incl, pr vis por, NS.

LS: gry to bm, fn xln, dns, sm foss, hrd, pyr, pr vis por, NS.

LS: gry, fn xln, dns, hrd, sil incl, frac, pr vis por, NS.

SH: gry to blk, carb, chnky, emb pyr.

SH: gry to drk gry, frm.

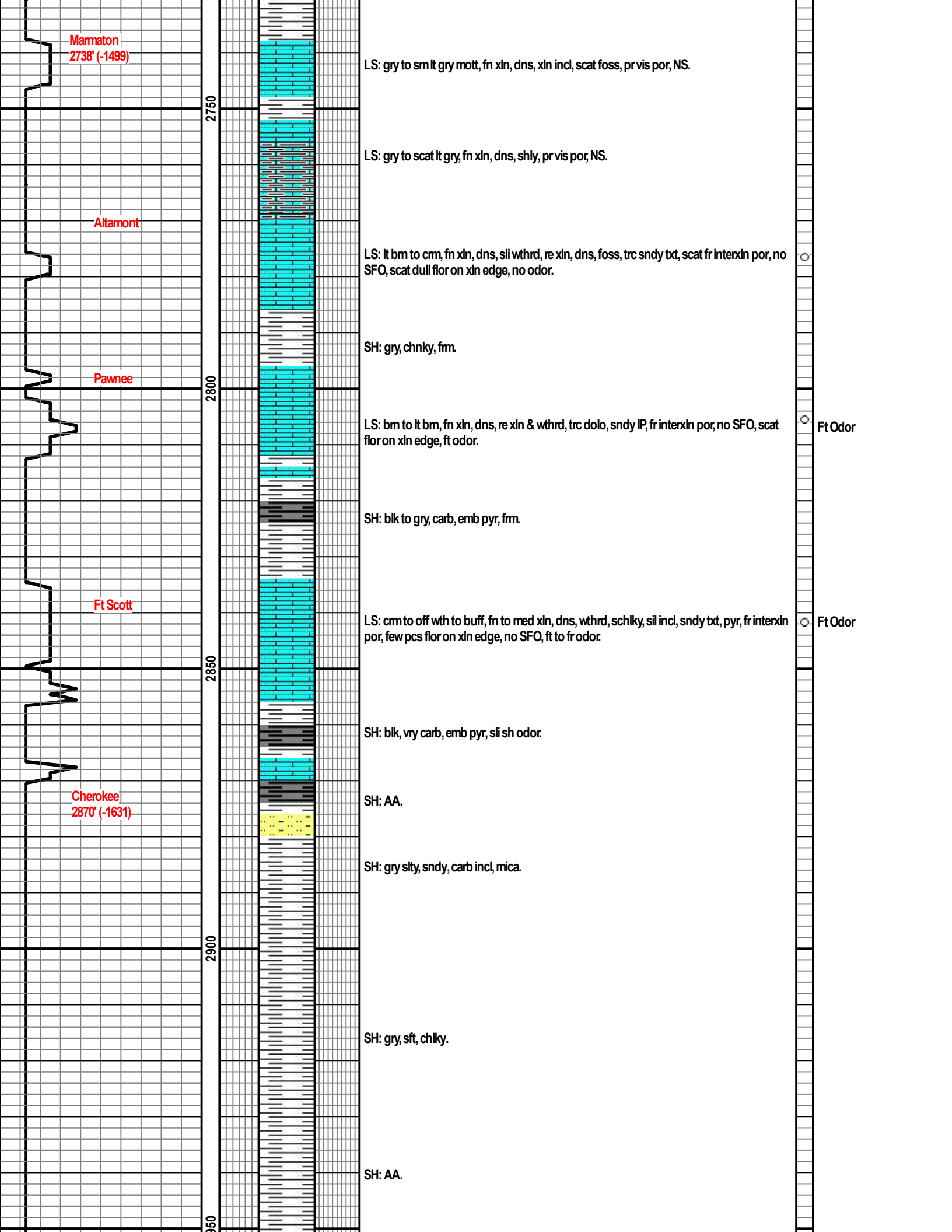
LS: bm to drk bm, fn xln, dns, sil incl, no vis por, NS.

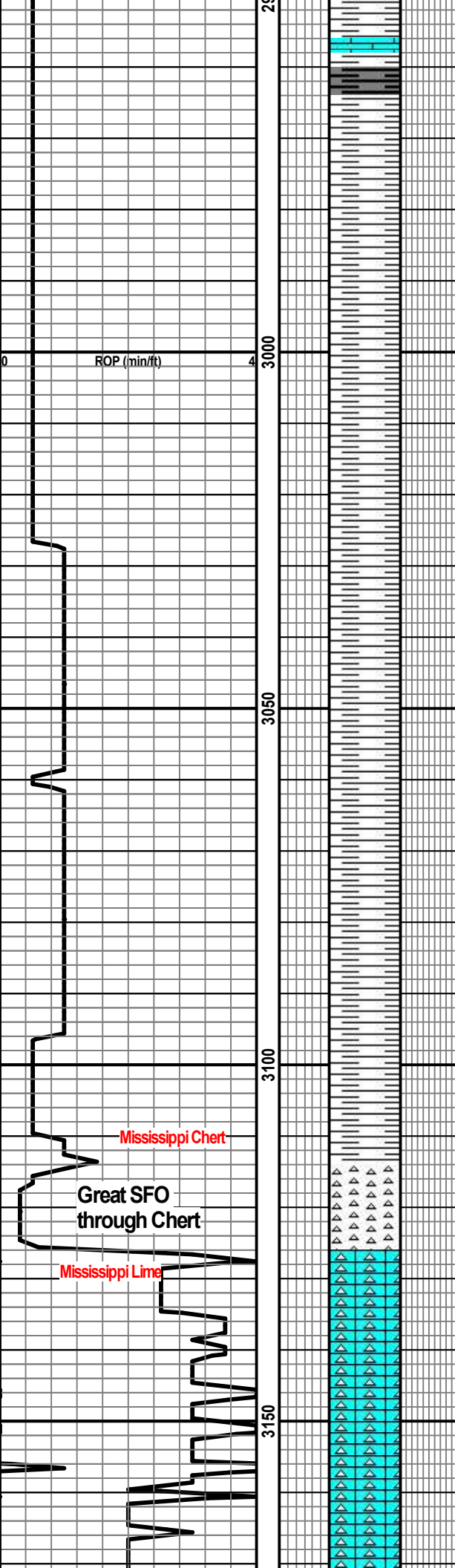
SH: gry, chlky, pyr.

SH: gry, sndy, slty, lt gry IP, carb incl.

SH: AA.

SH: gry, slty, carb incl.





SH: drk gry to blk, car, sh odor, micro emb pyr.

SH: gry to bm, carb incl.

SH: gry to drk gry, sm carb, pyr, blk, cnhky.

SH: gry, LS stmgrs, pyr incl, carb incl.

SH: gry, sft, chlky, phos nodules, pyr, slty, sndy.

Start 10' Samples

CHT: cm to off wth to lt bm tnt, opq, wthrd, rewkd, tripo, sec frac, grt vug por, live strn, grt SFO, gssy, blding oil, fst stmng cut w/ brght hvy res mg, up to 60% brght gm/yllw flor, vry strng odor.

LS: bm to tan, fn xln, dns trc sndy bxt, chrt, sec frac w/ mml incl, mstly pr interxln por, no SFO, no flor, ft odor.

LS: AA w ft odor, no SFO, no flor.

LS: bm to lt bm mott, gry incl, fn xln, dns, chrt, sil incl, pyr, pr vis por, no SFO, ft odor.

Mississippi Chert

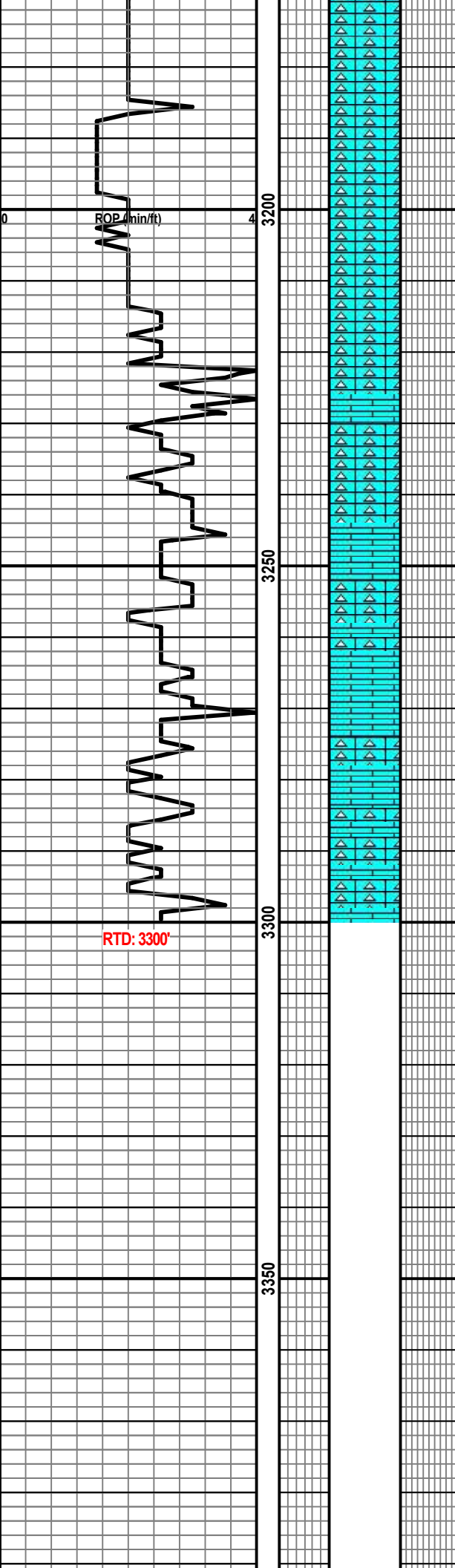
Great SFO through Chert

Mississippi Lime

Mississippi Chert  
3116' (-1877)

- Great SFO
- ☼ Gas Bubbles
- Very Strong Rich Odor

Mississippi Lime  
3126' (-1887)



LS: drk bm, vry fn xln, dns, micro pyr, hrd, chrty, sil rch, prt to no vis por, NS.

LS: drk bm to drk gry, vry fn xln, dns, hrd, scat sil incl, chrty, sec frac, pyr, no vis por, NS.

LS: AAwNS.

LS: drk bm, vry fn xln, dns, hrd, chrty, sil incl, no vis por, NS.

LS: bm to gry, fn to vry fn xln, dns, hrd, pyr sil incl, trc cht, pr vis por, NS.

LS: AA.

LS: drk bm, vry fn xln, dns, hrd, scat cht, sil incl, sec frac, no vis por, NS.

**RTD: 3300' @ 3:00AM on 9/15/23**

Circ 30 min. Short trip to 1800'. Circ 1 hr. TOOH for logs.

