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 # 5822
Name: Val Energy, Inc.
Address 1: 125 N MARKET ST STE 1110
Address 2:
City: WICHITA State: KS Zip: 67202 + 1728
Contact Person: Dustin Wyer
Phone: (316) 263-6688
CONTRACTOR: License # 32701
Name: C & G Drilling, Inc.
Wellsite Geologist: Brandon Wolfe
Purchaser: Maclaskey

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 #:

6/13/2023	6/17/2023	8/7/2023
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-035-24783-00-00
Spot Description:
W2 - E2 - NE - SE Sec. 3 Twp. 34 S. R. 5 ☑ East ☐ West
1980 Feet from ☐ North / ☑ South Line of Section
340 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: Cowley
Lease Name: R & J RESOURCES Well #: 1-3
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 1217 Kelly Bushing: 1226
Total Vertical Depth: 3350 Plug Back Total Depth: 3326
Amount of Surface Pipe Set and Cemented at: 200 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: 950 ppm Fluid volume: 650 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: VAL Energy
Lease Name: J.O. License #: 5822
Quarter NW Sec. 2 Twp. 34 S. R. 5 ☑ East ☐ West
County: Cowley Permit #: D34276.0

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: 08/15/2023
☐ **Confidential Release Date:** 08/14/2025
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** David Befort **Date:** 08/21/2023

Page Two

Operator Name: Val Energy, Inc. Lease Name: R & J RESOURCES Well #: 1-3

Sec. 3 Twp. 34 S. R. 5 ☑ East ☐ West County: Cowley

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 ☐ Yes ☑ No
(Attach Additional Sheets)

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:

Micro
Dual Induction
Neutron Density

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

Name	Top	Datum
KC	2528	-1302
Marmaton	2735	-1509
Miss	3119	-1893

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
Surface	12.25	8.625	24	200	Class A	130	CaCl Gel
Production	7.875	5.5	14	3339	60/40 Thickset	235	6%gel

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	-			
	-			

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: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*		

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	3138	3158			

TUBING RECORD: Size: Set At: Packer At:

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

Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	R & J RESOURCES 1-3
Doc ID	1723143

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	12.25	8.625	24	200	Class A	130	CaCl Gel
Production	7.875	5.5	14	3339	60/40 Thickset	235	6%gel

Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Date	Invoice #
6/22/2023	7328

Bill To
Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202

Customer ID#	1217

Job Date	6/17/2023
Lease Information	
RJ Resources 1-3	
County	Cowley
Foreman	RM

Terms	Net 15

Item	Description	Qty	Rate	Amount
C102W	Cement Pump-Longstring	1	1,495.00	1,495.00
C107	Pump Truck Mileage (one way)	80	5.00	400.00
C203	Pozmix Cement 60/40	135	15.75	2,126.25T
C206	Gel Bentonite	695	0.30	208.50T
C208	Pheno Seal	270	1.55	418.50T
C201	Thick Set Cement	100	24.25	2,425.00T
C207	KolSeal	500	0.56	280.00T
C208	Pheno Seal	270	1.55	418.50T
C108B	Ton Mileage-per mile (one way)	904.8	1.50	1,357.20
C661	5 1/2" AFU Float Shoe	1	364.00	364.00T
C421	5 1/2" Latch Down Plug	1	285.00	285.00T
C604	5 1/2" Cement Basket	1	278.00	278.00T
C504	5 1/2" Centralizer	5	59.00	295.00T
C222	KCL	2	32.00	64.00T
D101	Discount on Services		-162.61	-162.61
D102	Discount on Materials		-358.14	-358.14T

Prefer to have invoices emailed? Send info to rene@elitecementing.com

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Subtotal	$9,894.20
Sales Tax (6.5%)	$442.30
Total	$10,336.50
Payments/Credits	$0.00
Balance Due	$10,336.50

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

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **7328**
Foreman Russell McCoy
Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-17-23	1217	RJ Resources 1-3	3	34 s	5 E	Cowley	Ks

Customer: VAI Energy Inc.
Mailing Address: 125 N. Market St Ste 1110
City: Wichita | State: Ks | Zip Code: 67202

Safety Meeting: RM, J.H, AB, Jacob

Unit #	Driver	Unit #	Driver
140	J. Hale		
110	Jacob		
112	AB		
128	Russell		

Job Type: Longstring | Hole Depth: 3350 | Slurry Vol.: 29 Bbl lead, 33 Bbl Tail | Tubing:
Casing Depth: 3339 KB | Hole Size: 7 7/8 | Slurry Wt.: 13.3 13.8 | Drill Pipe:
Casing Size & Wt.: 5 1/2 14# | Cement Left in Casing: 0 | Water Gal/SK: | Other:
Displacement: 82 Bbl | Displacement PSI: 750 | Bump Plug to: 1400# | BPM: 5

Remarks: Safety + Job Procedure meeting. Used #14 5 1/2 set @ 3339 KB Rig 5 1/2 cement head, Break circulation w/ 10 Bbl Fresh water. Mix 100 sks Light cement 6% Gel 2# Phenoseal 28 Bbl Slurry @ 13.3# Tail w/ 100 sks Thick set cement w/ 5# Kolseal per/sk 2# Phenoseal @ 13.8# yield 1.85 = 33 Slurry wash out Pump + Lines, Release 5 1/2 Latch Down Plug. Displace w/ 82 Bbl Bbl water (First 40 KCL) Final Pump PSI 750# seat Latch Down Plug @ 1400# wait 2 min check Float Float Held Good circulation During cementing Procedure. Job complete, Tear Down.

Thank you
Russell McCoy

Plug R. Hole w/ 20 sks m Hole w/ 15 sks
Centralizers #2 #4 #6 #8 #10 Basket top of #4

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-102 w	1	Pump Charge	1495.00	1495.00
C-107	80	Mileage	5.00	400.00
C-203	135	sks 60/40 Pozmix cement } 100 sks L/S	15.75	2126.25
C-206	695#	6% Gel } 20 R. Hole	.30	208.50
C-208	270#	Phenoseal 2# per/sk } 15 m. Hole	1.55	418.50
C-201	100	sks T.S. cement	24.25	2425.00
C-207	500#	Kolseal 5# per/sk } Tail cement	.56	280.00
C-208	270#	Phenoseal 2# per/sk	1.55	418.50
C-108A	11.31	Ton's Ton Milage 80 miles	1.50	1357.20
C-661	1	5 1/2 AFU Float shoe w/ Latch Down Ass.	364.00	364.00
C-421	1	5 1/2 Latch Down Plug	285.00	285.00
C-604	1	5 1/2 cement Basket	278.00	278.00
C-504	5	5 1/2 x 7 7/8 centralizers	59.00	295.00
C-222	2 gallon	KCL mixed w/ 1st 40 Bbl Displacement	32.00	64.00
			Sub Total	10414.95
			-5%	-521.03
			Sales Tax	465.58
			Total	10336.50

Authorization By Rick Smith Title Co/Rep

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

Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Date	Invoice #
6/22/2023	7272

Bill To
Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202

Customer ID#	1217

Job Date	6/14/2023
Lease Information	
RJ Resources #1-3	
County	Cowley
Foreman	KM

Terms	Net 15

Item	Description	Qty	Rate	Amount
C101	Cement Pump-Surface	1	950.00	950.00
C107	Pump Truck Mileage (one way)	80	5.00	400.00
C200	Class A Cement-94# sack	130	18.55	2,411.50T
C205	Calcium Chloride	365	0.75	273.75T
C206	Gel Bentonite	245	0.30	73.50T
C209	Flo-Seal	32	2.80	89.60T
C108B	Ton Mileage-per mile (one way)	488.8	1.50	733.20
D101	Discount on Services		-104.16	-104.16
D102	Discount on Materials		-142.43	-142.43T

Prefer to have invoices emailed? Send info to rene@elitecementing.com

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Subtotal	$4,684.96
Sales Tax (6.5%)	$175.88
Total	$4,860.84
Payments/Credits	$0.00
Balance Due	$4,860.84

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

ELITE CEMENTING & ACID SERVICE, LLC

C&G Drlg Rig 2

Cement or Acid Field Report
Ticket No. **7272**
Foreman Kevin McCoy
Camp Eureka

API # 15-035-24783

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-14-23	1217	RJ Resources #1-3	3	34S	5E	Cowley	KS

Customer: VAL Energy, Inc.
Mailing Address: 125 N. Market St. Ste 1110
City: Wichita | State: KS | Zip Code: 67202

Safety Meeting: KM AM BW

Unit #	Driver	Unit #	Driver
104	Alan M.		
110	Broker W.		

Job Type: Surface
Casing Depth: 200' G.L.
Casing Size & Wt.: 8 5/8" 23#
Displacement: 12.5 BBL
Hole Depth: 212' K.B.
Hole Size: 12 1/4"
Cement Left in Casing: 15'
Displacement PSI:
Slurry Vol.: 32 BBL
Slurry Wt.: 15#
Water Gal/SK:
Bump Plug to:
Tubing:
Drill Pipe:
Other:
BPM:

Remarks: Safety Meeting: Rig up to 8 5/8" Casing. Break Circulation w/ 10 BBL fresh water. Mixed 130 sks Class "A" Cement w/ 3% CaCl2, 2% Gel, 1/4# Flosenl/sk @ 15#/gal = 32 BBL Slurry. Displace w/ 12.5 BBL fresh water. Shut Casing in. Good Cement Returns to Surface = 4 BBL Slurry to Pit. Job Complete. Rig Down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	950.00	950.00
C 107	80	Mileage	5.00	400.00
C 200	130 sks	Class "A" Cement	18.55	2411.50
C 205	365#	CaCl2 3%	.75#	273.75
C 206	245#	Gel 2%	.30#	73.50
C 207	32#	Flosenl 1/4#/sk	2.80#	89.60
C 108 B	6.41 Tons	Ton Mileage 80 miles	1.50	733.20
			Sub Total	4931.55
		Thank You	Less 5%	255.83
		6.5%	Sales Tax	185.12
			Total	4,860.84

Authorization: By Timmy Stack
Title: C&G Drlg Tool pusher

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

LONE WOLF
WELL LOGGING, LLC

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

Well Name:	R & J Resources 1-3		
API:	15-035-24783		
Location:	W2 E2 NE SE S3-T34S-R5E		
License Number:	5822	Region:	Cowley County, KS
Spud Date:	6/13/23	Drilling Completed:	6/17/23
Surface Coordinates:	1980' FSL 340' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	1217'	K.B. Elevation (ft):	1226'
Logged Interval (ft):	Surface To: R.T.D.	Total Depth (ft):	3350
Formation:	Mississippi Lime		
Type of Drilling Fluid:	Chemical		

Printed by MudLog from WellSight Systems 1-800-447-1534 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 2
Drilling FLuids: Mud Co.
Open Hole Loge: Osage Wireline
Cement: Elite Cementing

COMMENTS

5 1/2" Casing was ran to bottom and cemented in place to futher evaluate the Mississippi Lime Formation

ROCK TYPES

- Anhydrite
- Arkose
- Ark_shale
- Granite
- Coal
- Limy_sh
- Shale
- Hot_shale
- Hot_shale_ii
- Siltstone
- Siltstone_ii
- Shaly_ss
- Shaly_ss_ii
- Sandstone
- Shaly_limy_ss
- Washy_limy_ss
- Limy_ss
- Sdy_ls
- Limestone
- Dolo_ls
- Shaly_ls
- Carb_shaly_ls
- Cherty_ls
- Chert
- Cherty_dolo
- Dolomite
- Limy_dolo
- Conglomerate
- Carb_wash
- Sdy_carb_wash
- Shaly_sdy_carb_wa
- Shaly_limy_qtz_wa
- Shaly_limy_qtz_wa
- Limy_qtz_wash
- Limy_qtz_wash_ii
- Limy_qtz_wash_iii
- Qtz_wash
- Argil_qtz_wash
- Ark_qtz_wash

ACCESSORIES

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

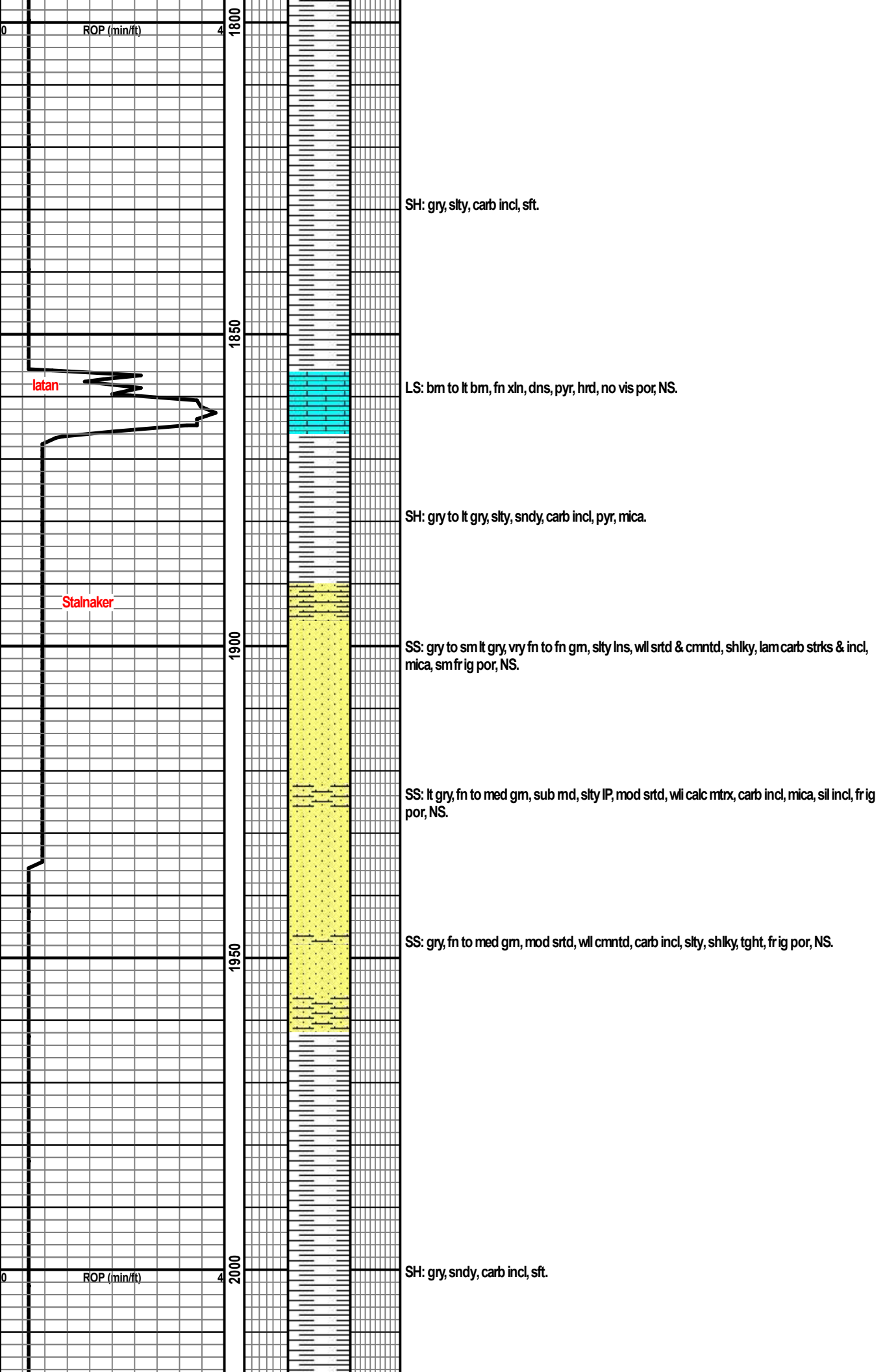
MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

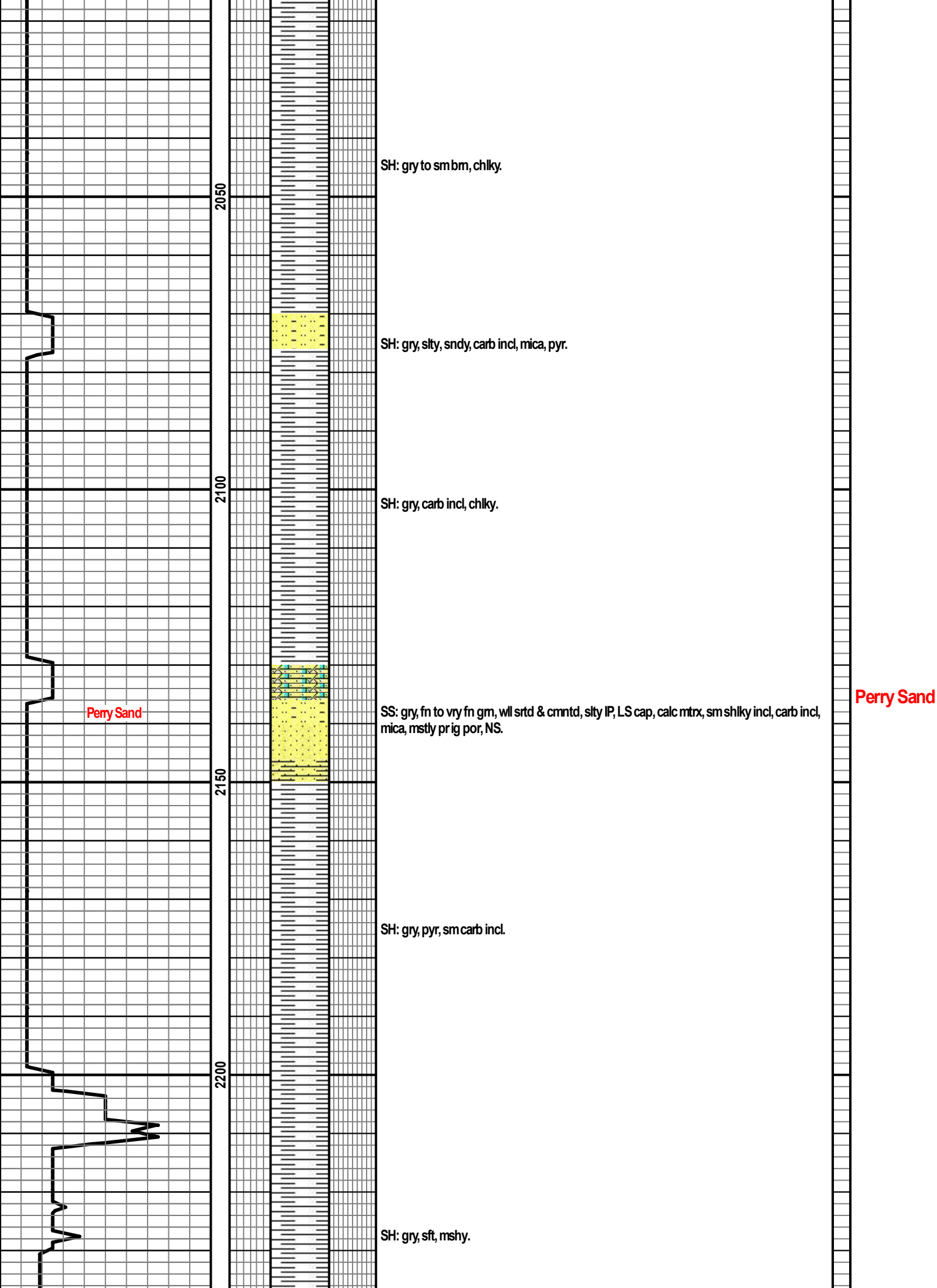
STRINGER
- Arkosic inclusion
- Chert inclusion
- Anhydrite
- Arkosic qtz str
- Arkosic qtz str ii
- Arkosic str
- Arkosic str ii
- Carb wash str
- Sandy carb wash str
- Coal/carb sh
- Dolomite
- Granite str
- Limestone
- Limy ss str
- Qtz wash str
- Limy qtz wash str
- Sandy ls str
- Shale
- Siltstone
- Sandstone

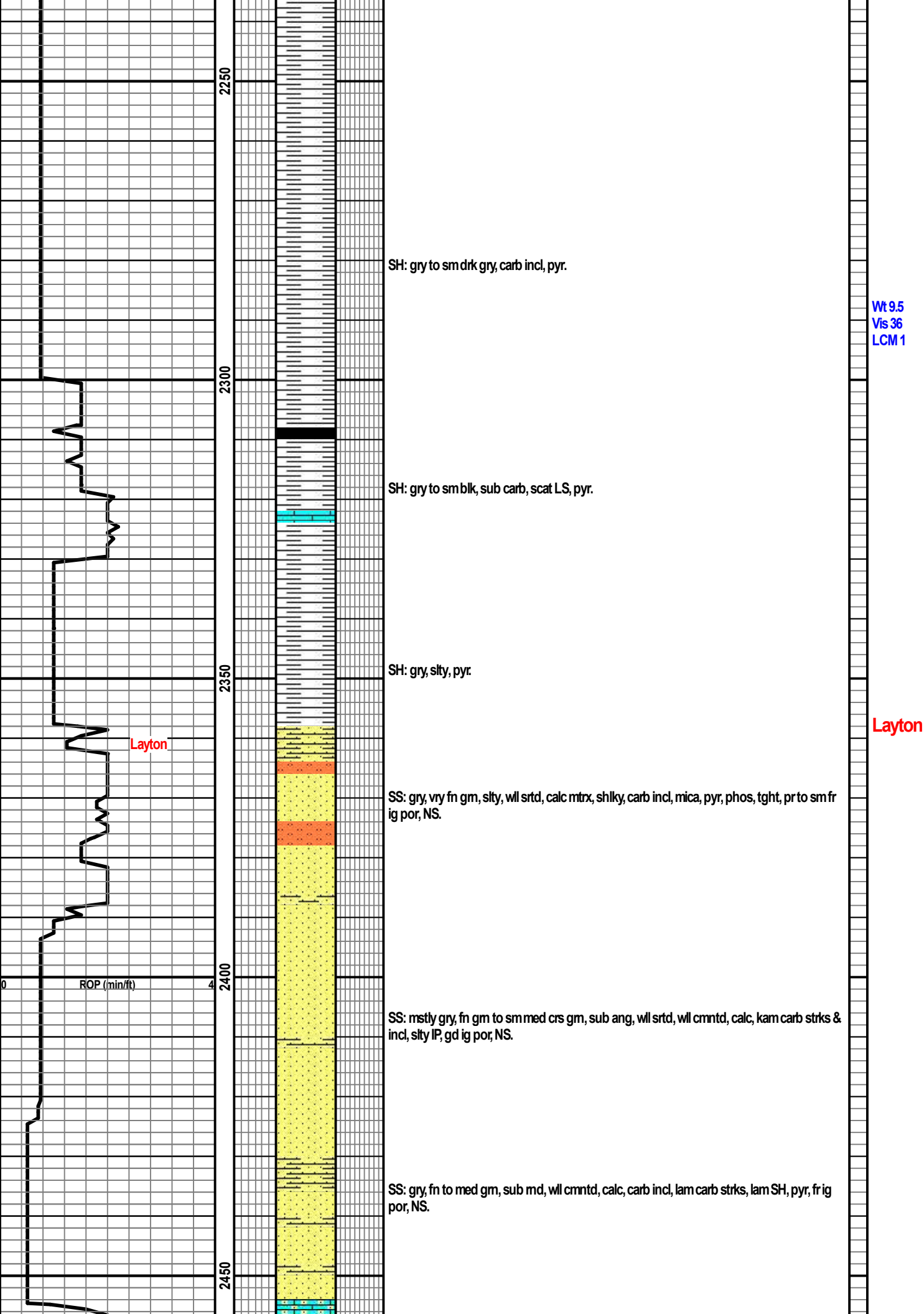
TEXTURE
- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

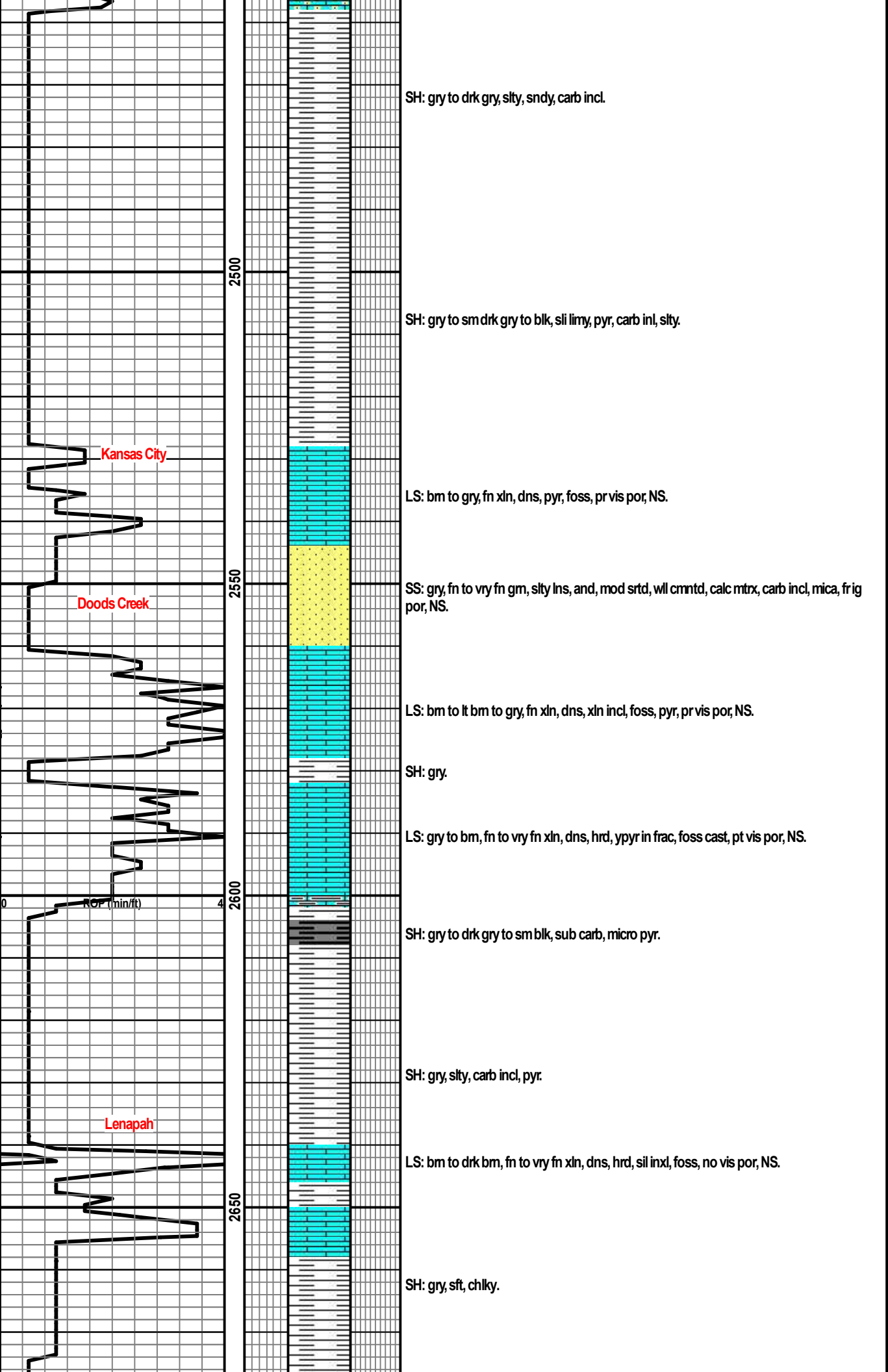
OIL SHOW
- Even
- Spotted
- Ques
- Gas show
- D Dead

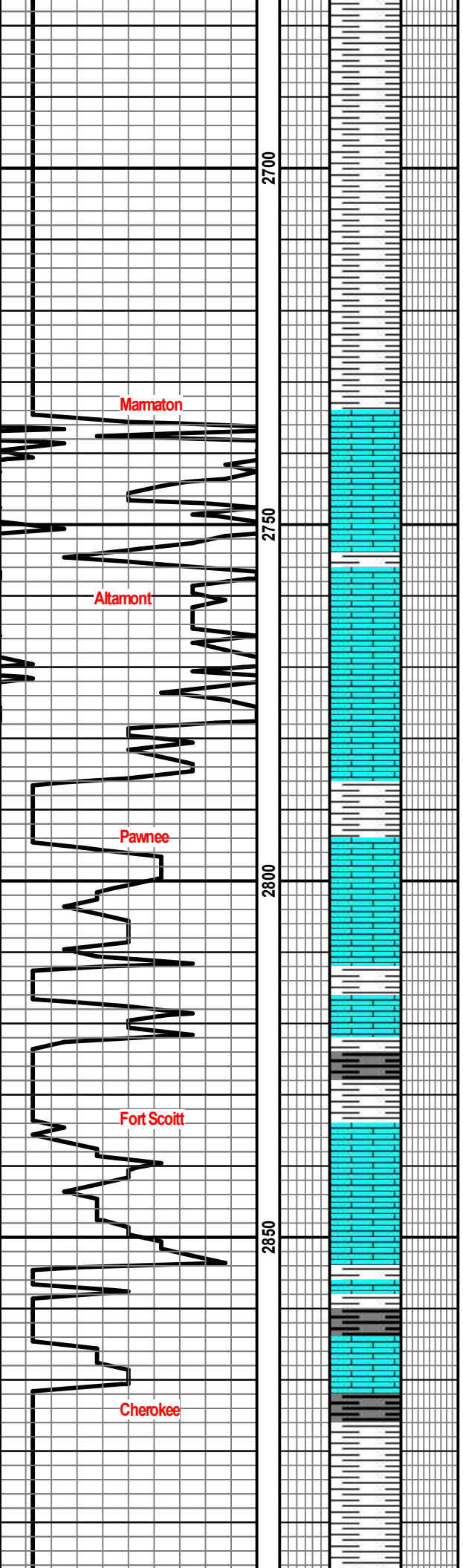
Penetration Rate ROP (min/ft)	TVD	Porosity 24% 4%	Lithology	Oil Shows	Geological Descriptions	Oil Shows	Remarks
0 ROP (min/ft) 4 Note: Depth Scale is from 0-4 min/ft	17				COMMENCED ONE MAN LOGGING OPERATIONS ON 6/15/23. SET 200' OF 8 5/8" SURFACE CASING @ 6:30AM on 6/14/23. START LOGGING @ 1700'. Drilling ahead w/ Bit #2. Start 20' Wet & Dry Samples		Drill Out under Surace @ 2:0 6/15/23. Noon Depth on 6/15/23: 116 Start Mud Up
					SH: gry chlky, pyr.		
	1750						
					SH: gry, sft, chlky.		


0
ROP (min/ft)
4
1800
1850
1900
1950
2000
Iatan
Stalnaker
0
ROP (min/ft)
4
SH: gry, slty, carb incl, sft.
LS: brn to lt brn, fn xln, dns, pyr, hrd, no vis por, NS.
SH: gry to lt gry, slty, sndy, carb incl, pyr, mica.
SS: gry to sm lt gry, vry fn to fn grn, slty lns, wll srtd & cmntd, shlky, lam carb strks & incl, mica, sm fr ig por, NS.
SS: lt gry, fn to med grn, sub rnd, slty lP, mod srtd, wll calc mtrx, carb incl, mica, sil incl, fr ig por, NS.
SS: gry, fn to med grn, mod srtd, wll cmntd, carb incl, slty, shlky, tght, fr ig por, NS.
SH: gry, sndy, carb incl, sft.
Midnight Depth on 6/16/23:
Iatan
1856' (-630)
Stalnaker
Wt 9.1
Vis 35


2050
2100
2150
2200
Perry Sand
SH: gry to sm brn, chlky.
SH: gry, slty, sndy, carb incl, mica, pyr.
SH: gry, carb incl, chlky.
SS: gry, fn to vry fn grn, wll srtd & cmntd, slty lP, LS cap, calc mtrx, sm shlky incl, carb incl, mica, mstly pr ig por, NS.
SH: gry, pyr, sm carb incl.
SH: gry, sft, mshy.
Perry Sand


2250
2300
2350
2400
2450
Layton
0
ROP (min/ft)
4
SH: gry to sm drk gry, carb incl, pyr.
Wt 9.5
Vis 36
LCM 1
SH: gry to sm blk, sub carb, scat LS, pyr.
SH: gry, slty, pyr.
Layton
SS: gry, vry fn grn, slty, wll srtd, calc mtrx, shlky, carb incl, mica, pyr, phos, tght, pr to sm fr ig por, NS.
SS: mstly gry, fn grn to sm med crs grn, sub ang, wll srtd, wll cmntd, calc, kam carb strks & incl, slty lP, gd ig por, NS.
SS: gry, fn to med grn, sub rnd, wll cmntd, calc, carb incl, lam carb strks, lam SH, pyr, fr ig por, NS.


2500
2550
2600
2650
Kansas City
Doods Creek
Lenapah
0
ROP (min/ft)
4
SH: gry to drk gry, slty, sndy, carb incl.
SH: gry to sm drk gry to blk, sli limy, pyr, carb inl, slty.
LS: brn to gry, fn xln, dns, pyr, foss, pr vis por, NS.
SS: gry, fn to vry fn grn, slty lns, and, mod srtd, wll cmntd, calc mtrx, carb incl, mica, fr ig por, NS.
LS: brn to lt brn to gry, fn xln, dns, xln incl, foss, pyr, pr vis por, NS.
SH: gry.
LS: gry to brn, fn to vry fn xln, dns, hrd, ypyr in frac, foss cast, pt vis por, NS.
SH: gry to drk gry to sm blk, sub carb, micro pyr.
SH: gry, slty, carb incl, pyr.
LS: brn to drk brn, fn to vry fn xln, dns, hrd, sil inxl, foss, no vis por, NS.
SH: gry, sft, chlky.
Kansas City
2528' (-1302)
Lenapah
2640' (-1414)



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

SH: gry, chlky.

SH: gry, slty, carb incl.

LS: mstly gry, fn xln, dns, sec frac, ln incl, foss, pr vis por, NS.

LS: gry, fn xln, dns, pyr, shly, pr vis por, NS.

LS: brn to lt brn, fn xln, sil incl, pyr, pr vis por, NS.

LS: AA w/ NS.

SH: gry.

LS: lt brn to gry mott, sm off wht, fn xln, dns, few pcs wthrd, chlky, sil incl, sec frac, pyr, foss, mstly pr to sm fr vis por, NS.

SH: gry.

LS: brn, dns, hrd, pr vis por, NS.

SH: blk, carb, micro emb pyr, sh odor,

LS: lt brn to crm, fn to med xln, dns, sm sndy pcs, scat wthrd pcs, sil incl, frac, mstly pr vis por, NS.

LS: AA w/ NS.

SH: blk, carb, emb pyr, sh odor.

LS: gry, fn xln, dns, NS.

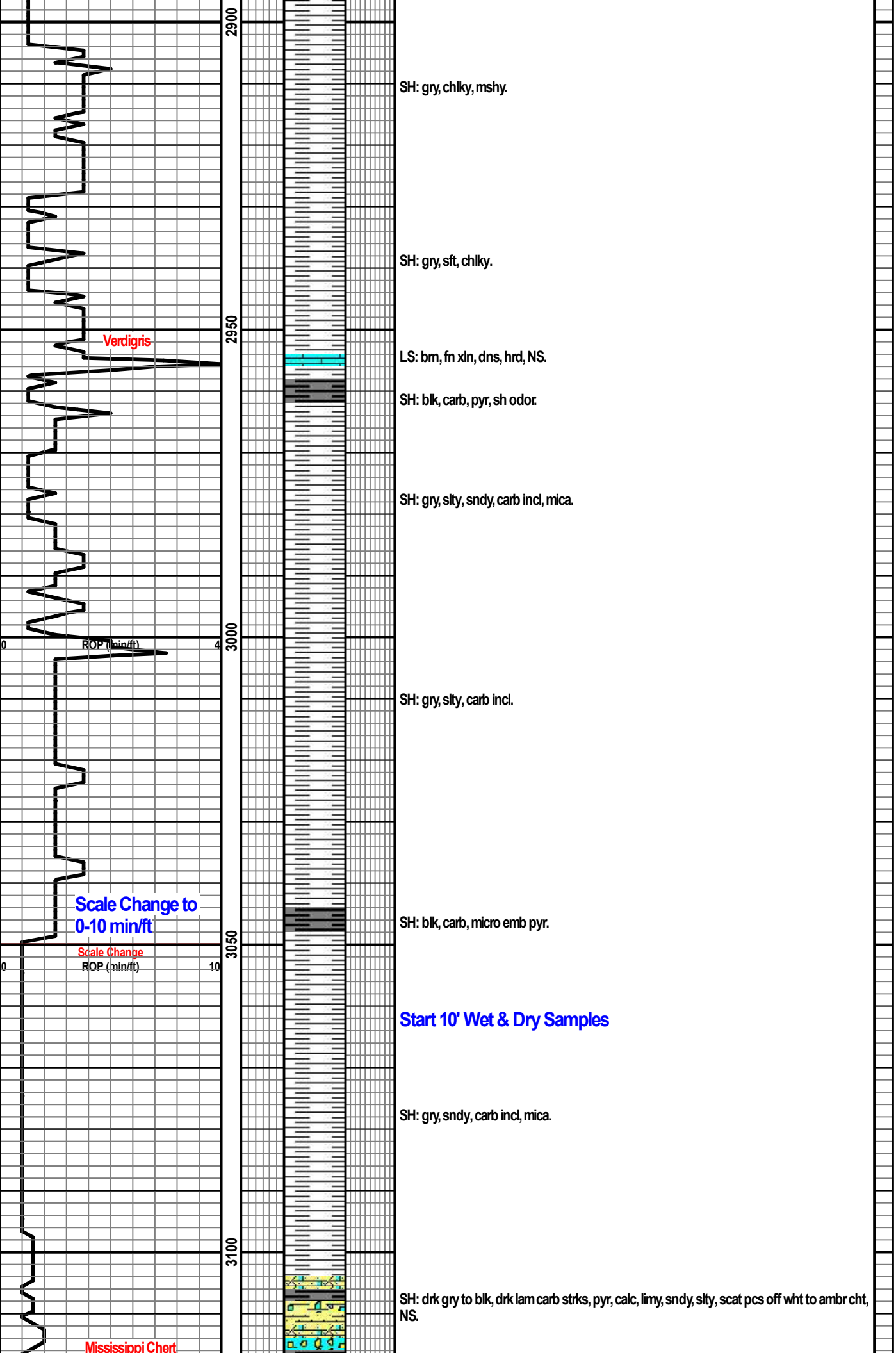
SH: AA.

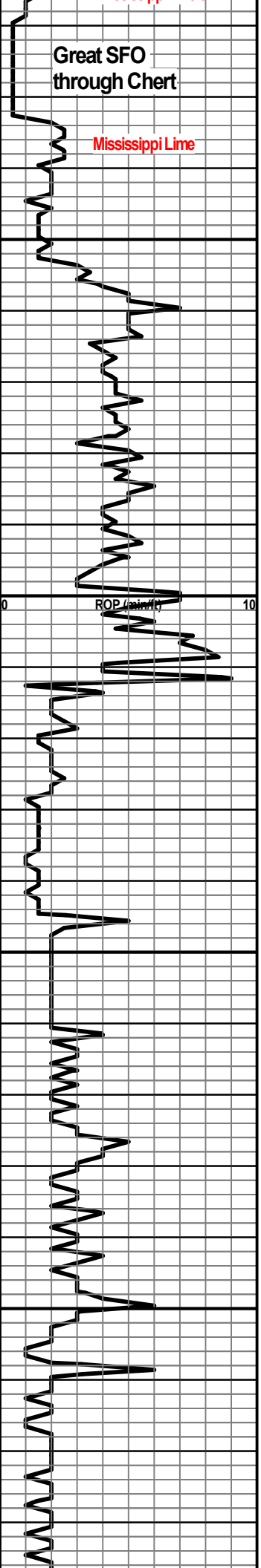
SH: gry, slty, carb incl.

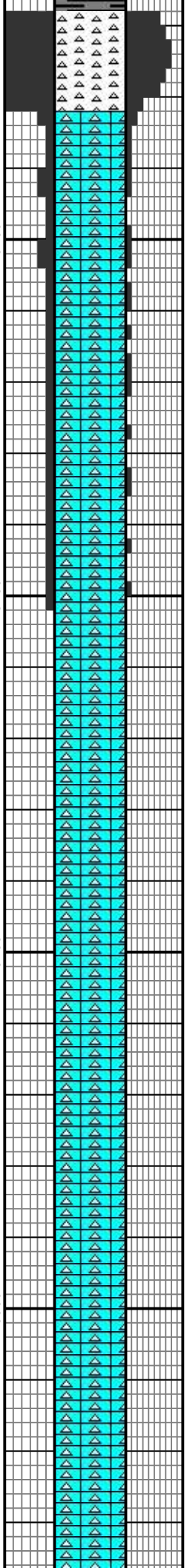
Marmaton
2735' (-1509)

Midnight Depth on 6/17/23: 2

Cherokee
2871' (-1645)


2900
2950
3000
3050
3100
Verdigris
0
ROP (min/ft)
4
Scale Change to
0-10 min/ft
Scale Change
0
ROP (min/ft)
10
Mississippi Chert
SH: gry, chlky, mshy.
SH: gry, sft, chlky.
LS: brn, fn xln, dns, hrd, NS.
SH: blk, carb, pyr, sh odor.
SH: gry, slty, sndy, carb incl, mica.
SH: gry, slty, carb incl.
SH: blk, carb, micro emb pyr.
Start 10' Wet & Dry Samples
SH: gry, sndy, carb incl, mica.
Wt 9.4
Vis 35
LCM 3
SH: drk gry to blk, drk lam carb strks, pyr, calc, limy, sndy, slty, scat pcs off wht to ambr cht, NS.
Mississippi Chert





CHT: off wht to crm, opq, all wthrd & rewrkd, sec frac, tripo, grt vug & PP por, tripo por, hvy live sm, grt SFO, vry gssy, bleeding oil, fst stmmng cut w/ brght hvy re mg, 90% gm/yllw flor flor, vry stmg odor.

LS: crm to lt brn, fn xln, dns, wthrd, re xln, sndy txt, chrty, sil incl, sec frac, pyr, scat wthrd cht, occ fr interxln por, lt stn, sli SFO, 10% yllw flor on xln edge, ft odor.

LS: AA w/ 5 % flor, ft odor.

LS: lt brn to crm, drk brn to drk gry mott, fn xln, re xln, chrty, sm sli wthrd, sndy txt, sil incl, occ pcs wthrd cht, fresh cht, sec frac, pyr, sm fr interxln por, no SFO, >5% flor, ft odor

LS: AA w/ scat brght yllw flor on cht, no odor.

LS: gry to drk brn to brn mott, fn xln, dns, occ wthrd, re xln, vry chrty, scat wthrd cht, sil incl in sec frac, pyr, sli sndy txt, mstly pr interxln por, scat brght yllw flor on cht, no odor.

Bit Trip @ 3212' due to low ROP. Drilling ahead @

LS: lt brn to gry, fn xln, dns, chrty, frsh cht, earthy, pyr, pr vis por, NS.

LS: AA w/ pr vis por, NS.

LS: mstly all brn to sm drk drn, fn xln, dns, hrd, chrty, frs cht, pyr, no vis por, NS.

LS: brn to drk brn, vry fn xln, dns, hrd, chtry, micro pyr, sec frac, no vis por, NS.

LS: AA w/ no vis por, NS.

LS: brn to gry, fn to vry fn xln, chrty, dns, frc sndy txt, hrd, tmicro pyr, pr vis por, NS.

3119' (-1893)

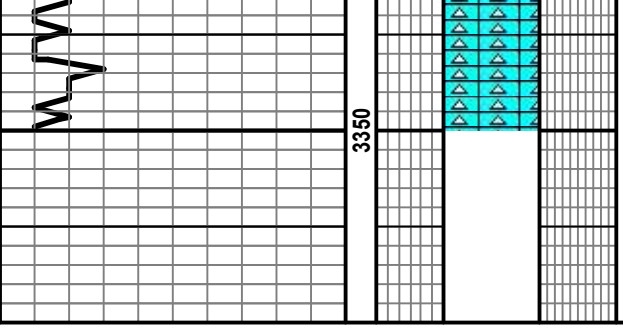
Great SFO
Gas Bubbles
Very Strong Rich Od

Mississippi Lime
3133' (-1907)
Sli SFO
Ft Odor

Ft Odor

Ft Odor

Noon Depth on 6/17/23: 321



Lst: bm to gy, fn to vy fn xln, sdy, ang, tr sdy ss, frag, trace pyr, pr vis por, NSF

RTD: 3350' @ 11:30PM on 6/17/23

Circ 1 hr. TOOH for logs.

LTD: 3348' @ 4:00AM on 6/18/23