KOLAR Document ID: 1795806

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 # 32701
Name: C & G Drilling, Inc.
Address 1: 701 E. RIVER ST.
Address 2:
City: EUREKA State: KS Zip: 67045 + 2100
Contact Person: Tim Gulick
Phone: (620) 583-4306
CONTRACTOR: License # 32701
Name: C & G Drilling, Inc.
Wellsite Geologist: Brandon Wolf
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 #:

9/4/2024 Spud Date or Recompletion Date
9/7/2024 Date Reached TD
9/7/2024 Completion Date or Recompletion Date

API No.: 15-127-20609-00-00
Spot Description:
S2 - NW - SW - SE Sec. 25 Twp. 14 S. R. 7 ☑ East ☐ West
708 Feet from ☐ North / ☑ South Line of Section
2310 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: Morris
Lease Name: RISE Well #: #1
Field Name:
Producing Formation: Viola
Elevation: Ground: 1456 Kelly Bushing: 1465
Total Vertical Depth: 2510 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 208 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: 1300 ppm Fluid volume: 220 bbls
Dewatering method used: Evaporated
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:** Kelsey Cox **Date:** 09/23/2024

Operator Name: C & G Drilling, Inc. Lease Name: RISE Well #: #1

Sec. 25 Twp. 14 S. R. 7 ☑ East ☐ West County: Morris

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:		

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

Name	Top	Datum
Hunton	2106	-641
Marquoketa	2274	-809
Viola	2360	-895
Simpson Sand	2480	-979

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	20	208	Class A Cement	130	3

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: 9/7/2024	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* Pluged					
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)*	0	2510

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)*

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	C & G Drilling, Inc.
Well Name	RISE #1
Doc ID	1795806

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	20	208	Class A Cement	130	3

HURRICANE SERVICES INC

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

Customer:

C & G DRILLING INC
701 EAST RIVER ST
EUREKA, KS 67045

Invoice Date:	9/7/2024
Invoice #:	0378925
Lease Name:	Rise
Well #:	1
County:	Morris, Ks
Job Number:	EP14768
District:	Eureka

Date/Description	HRS/QTY	Rate	Total
PTA	0.000	0.000	0.00
Depth Charge 2001'-3000'	1.000	2,000.000	2,000.00
Heavy Equipment Mileage	95.000	4.000	380.00
Light Eq Mileage	95.000	2.000	190.00
Ton Mileage	467.400	1.500	701.10
Cement Pozmix 60/40	110.000	16.000	1,760.00
Bentonite Gel	380.000	0.450	171.00

CH#
3303
9-19-24

Net Invoice	5,202.10
Sales Tax:	320.64
Total	5,522.74

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!

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

Customer	C & G Drilling, Inc	Lease & Well #	Rise #1			Date	9/7/2024
Service District	Eureka	County & State	Morris, KS	Legals S/T/R		Job #	
Job Type	PTA	☑ PROD	☐ INJ	☐ SWD	New Well? ☑ YES ☐ No	Ticket #	EP14768

Equipment #	Driver
1006	David
1203	Broker
1210	Jake

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

RTD - 2480' KB, 7 7/8" Well bore. 8 5/8" Surface Casing set @ 208' GL.

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
D013	Depth Charge: 2001'-3000'	job	1.00			$2,000.00
M010	Heavy Equipment Mileage	mi	95.00			$380.00
M015	Light Equipment Mileage	mi	95.00			$190.00
M020	Ton Mileage	tm	467.40			$701.10
CP070	60/40 Pozmix A	sack	110.00			$1,760.00
CP095	Bentonite Gel	lb	380.00			$171.00

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?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

1 2 3 4 5 6 7 8 9 10

Total Taxable	$ -	Tax Rate:	Net:	$5,202.10
			Sale Tax:	$ -
			Total:	$ 5,202.10

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.

HSI Representative: *David Gardner*

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.

Timmy Stack - C&G Drlg - Tool Pusher

CUSTOMER AUTHORIZATION SIGNATURE

CEMENT TREATMENT REPORT

Customer:	C & G Drilling, Inc	**Well:**	Rise #1	**Ticket:**	EP14768
City, State:	Eureka, KS	**County:**	Morris	**Date:**	9/7/2024
Field Rep:	Timmy Stack	**S-T-R:**		**Service:**	PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	2480 ft
Casing Size:	8 5/8 in
Casing Depth:	208 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	60/40 Pozmix, 4% Gel
Weight:	14.0 ppg
Water / Sx:	gal / sx
Yield:	1.40 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	110 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
				-	Safety Meeting:
				-	Rig up to 4 1/2" 16.60# Drill pipe. Plug well as follows:
				-	35 sks @ 260'
				-	25 sks @ 60' to Surface
				-	30 sks RH
				-	20 sks MH
				-	110 sks Total
				-	Job complete. Rig down.
				-	
				-	
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				-	
				-	
				-	
				-	
				-	

	CREW	UNIT
Cementer:	David	1006
Pump Operator:	Broker	1203
Bulk #1:	Jake	1210
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
0.0 bpm	- psi	- bbls

HURRICANE SERVICES INC

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

Customer:

C & G DRILLING INC
701 EAST RIVER ST
EUREKA, KS 67045

Invoice Date:	9/4/2024
Invoice #:	0378923
Lease Name:	Rise
Well #:	1 (New)
County:	Morris, Ks
Job Number:	EP14754
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	95.000	4.000	380.00
Light Eq Mileage	95.000	2.000	190.00
Ton Mileage	610.950	1.500	916.43
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

VA
3303
9-19-24

Total 5,526.43

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!

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

Customer	C & G Drilling, Inc	Lease & Well #	Rise #1			Date	9/4/2024
Service District	Eureka	County & State	Morris, KS	Legals S/T/R		Job #	
Job Type	Surface	☑ PROD	☐ INJ	☐ SWD	New Well? ☑ YES ☐ No	Ticket #	EP14754

Equipment #	Driver
1003	David
1203	Broker
1212	Danny

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

RTD - 222' KB, 12 1/4" Well Bore. 8 5/8" Casing set @ 208' GL.

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
D010	Depth Charge: 0'-500'	job	1.00			$1,000.00
M010	Heavy Equipment Mileage	mi	95.00			$380.00
M015	Light Equipment Mileage	mi	95.00			$190.00
M020	Ton Mileage	tm	610.95			$916.43
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

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?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

1 2 3 4 5 6 7 8 9 10

Total Taxable	$ -	Tax Rate:	Net:	$5,526.43
			Sale Tax:	$ -
			Total:	$ 5,526.43

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.

HSI Representative: *David Gardner*

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.

Timmy Stack - C&G Drlg Tool Pusher

CUSTOMER AUTHORIZATION SIGNATURE

ftv: 16-2022/08/12
mplv: 467-2024/08/27

CEMENT TREATMENT REPORT

Customer:	C & G Drilling, Inc	**Well:**	Rise #1	**Ticket:**	EP14754
City, State:	Eureka, KS	**County:**	Morris	**Date:**	9/4/2024
Field Rep:	Timmy Stack	**S-T-R:**		**Service:**	Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	222 ft
Casing Size:	8 5/8 in
Casing Depth:	208 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	13.0 bbls

Calculated Slurry - Lead	
Blend:	ClassA,3%,2%,1/4#
Weight:	15.2 ppg
Water / Sx:	gal / sx
Yield:	1.35 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	31.0 bbls
Total Sacks:	130 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
				-	Safety Meeting:
				-	Rig up to 8 5/8" Casing.
	4.0	50.0	10.0	10.0	Break circulation w/ 10 bbl fresh water.
	5.0	100.0	31.0	41.0	Mixed 130 sks Class A Cement w/ 3% Calcz, 2% Gel, 1/4# Cello-flake /sk @ 15.2 ppg, yield 1.35 = 31 bbl slurry.
	5.0	150.0	13.0	54.0	Displace w/ 13 bbl fresh water. Shut down. Close casing in.
				54.0	Good cement returns to surface = 12 bbl slurry to pit.
				54.0	Job complete. Rig down.
				54.0	
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				54.0	
				54.0	

	CREW	UNIT
Cementer:	David	1003
Pump Operator:	Broker	1203
Bulk #1:	Danny	1212
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.7 bpm	100 psi	54 bbls

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

Well Name:	**Rise 1**		
API:	**15-127-20609**		
Location:	**S2 NW SW SE S25-T14S-R7E**		
License Number:	**32701**	**Region:**	**Morris County, KS**
Spud Date:	**9/4/24**	**Drilling Completed:**	**9/7/24**
Surface Coordinates:	**708' FSL 2307' FEL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1456'**	**K.B. Elevation (ft):**	**1465'**
Logged Interval (ft):	**Surface To: 2480'**	**Total Depth (ft):**	**2480'**
Formation:	**Hunton, Viola, Simpson**		
Type of Drilling Fluid:	**Chemical**		

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

OPERATOR

Company: C & G Drilling, Inc.
Address: 701 E River St
Eureka, KS 67045

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: C&G Drilling
Open Hole Loge: ELI
Cement: HSI (Eureka Camp)

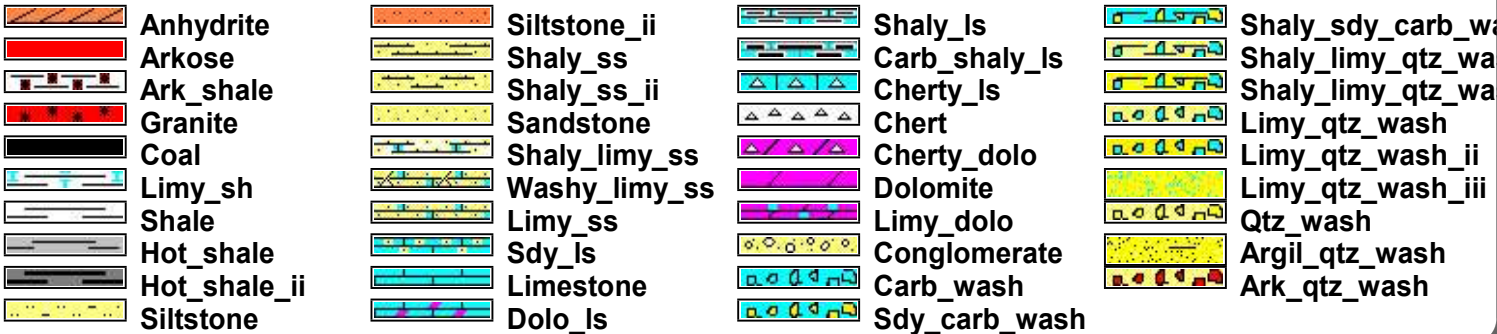
COMMENTS

Due to no shows, it was determined to plug and abandoned this well

Well	Rise 1
G.L.	1456'
K.B.	1465'

Formation	Sample Top	
Hunton	2106	-641
Marquoketa	2274	-809
Viola	2360	-895
Simpson Sand	2444	-979
Total Depth	2480	-1015

ROCK TYPES



ACCESSORIES

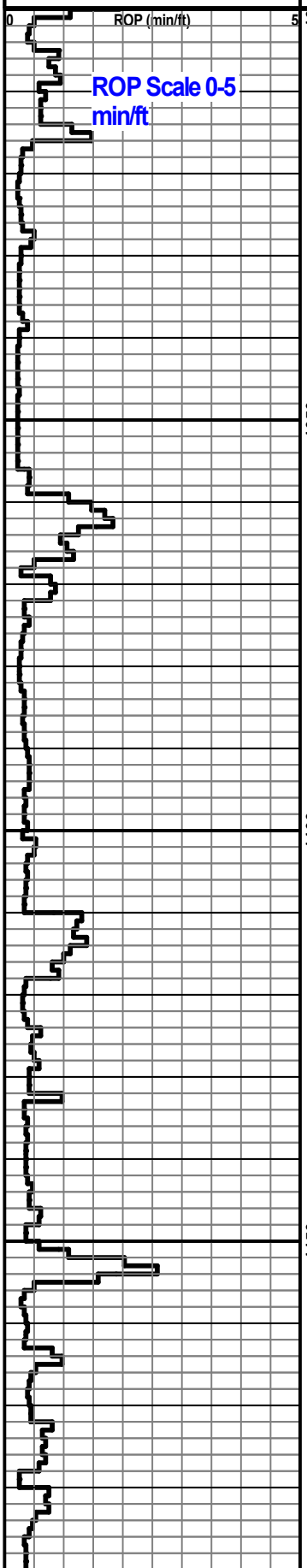
FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

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

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



Geological Descriptions

COMMENCED ONE MAN LOGGING OPERATIONS ON 9/5/24. SET 208' OF 8 5/8" SURFACE PIPE W/ 130 SACKS @7:45PM ON 9/4/24. DRILLING AHEAD W/ BIT #2. PDC 616.

Start 20' Wet Samples

LS: crm to lt brn, fn xln, dns, sndy lP, pr vis por, mnrl flor, NS.

SS: gry to lt gry, mstly fn grn, slty, carb incl, limy, shly lP, fr ig por, NS.

LS: brn to lt brn, lam gry strks, fn xln, dns, foss, trc wthrd, pr vis por, NS.

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

SH: gry, carb incl.

LS: gry to lt gry, fn xln, dns, lrg foss, pr vis por, NS.

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

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

LS: AA w/ NS. SH: gry, limy, calc, pyr.

Oil Shows

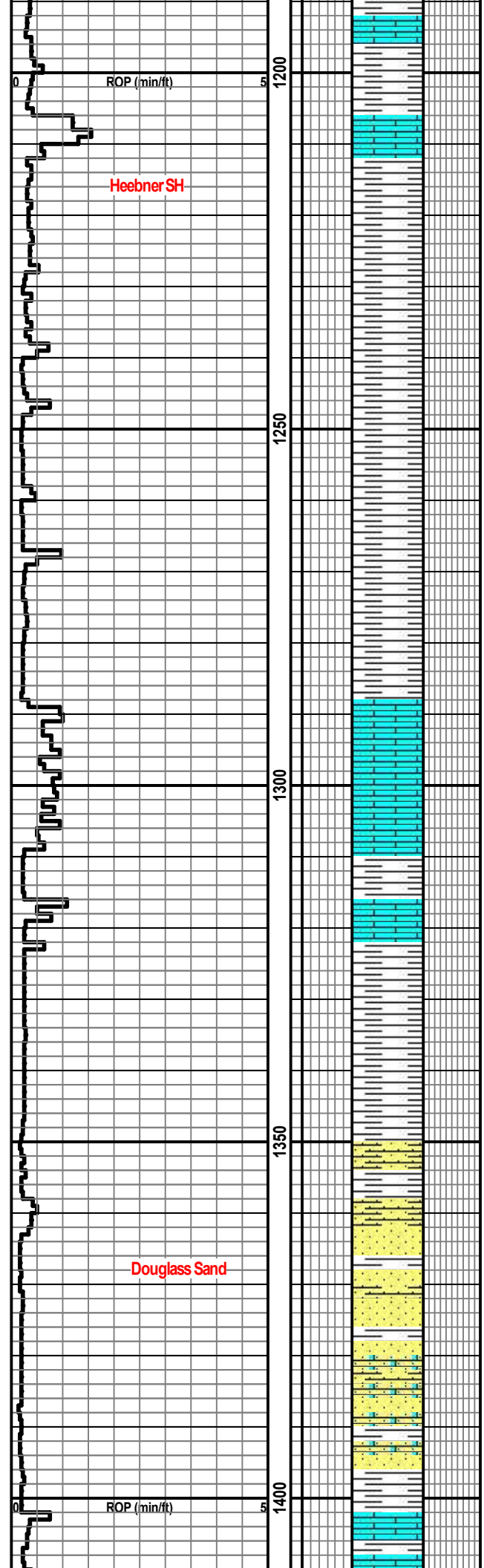
Remarks

Drill out @4:30AM on 9/5/24

Noon Depth on 9/5/24: 980'

Start Mud Up @1000'

Wt 9.0
Vis 38



LS: lt brn to brn, gry mott, fn to med xln, shly, lrg carb incl, pyr, pr vis por, mnrl flor, NS.

Heebner SH

SH: gry to sm drk gry, slty, carb incl.

SH: mstly drk gry to gry, sub carb, sli slty, pyr.

SH: gry, lam carb strks & incl, pyr.

LS: crm to sli off wht, fn xln, sli wthrd, occ sndy txt, foss, mstly pr vis por, NS.

LS: AA w/ NS.

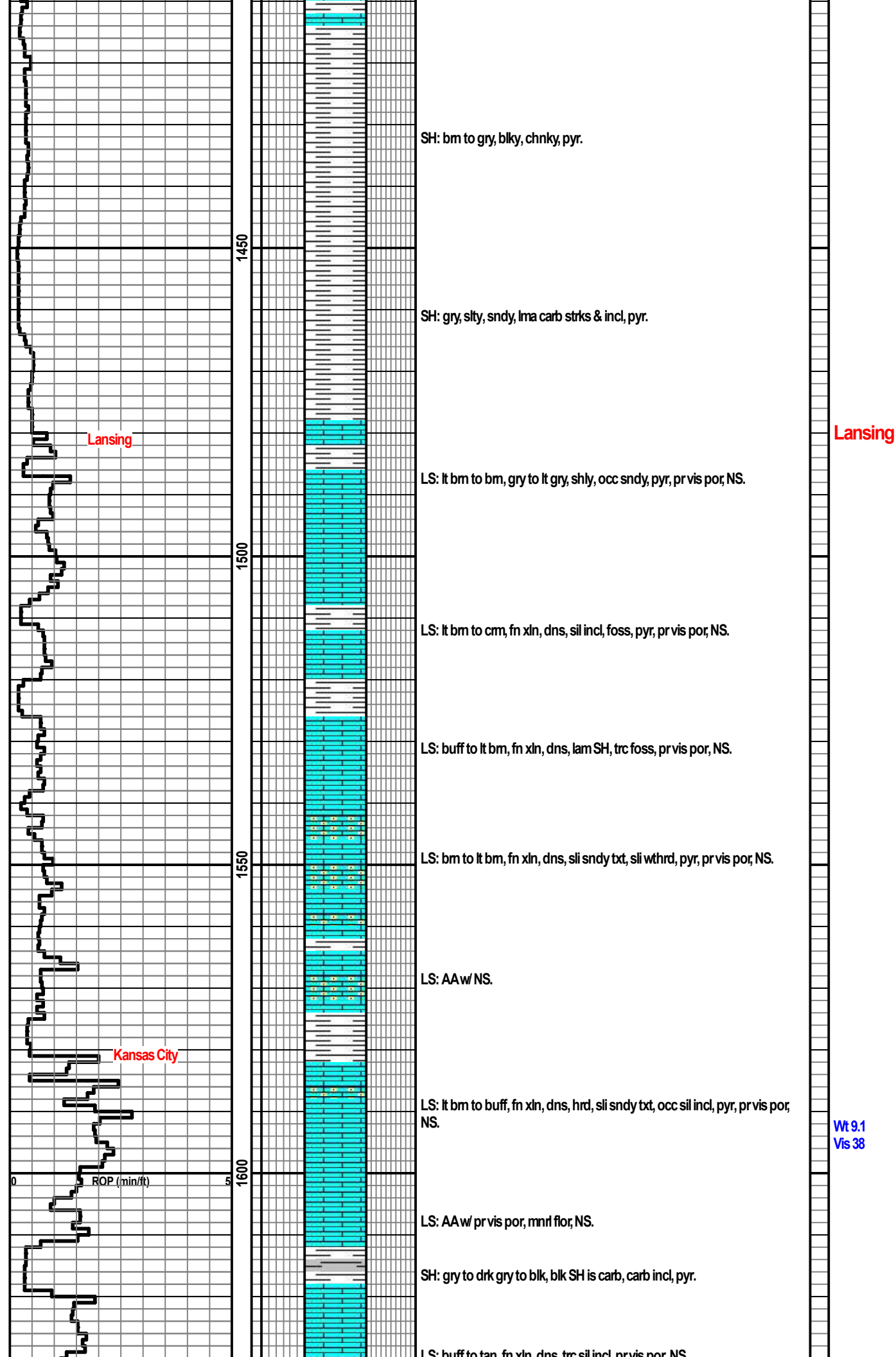
SH: gry to sm drk gry, lam carb strks & incl, limy, pyr.

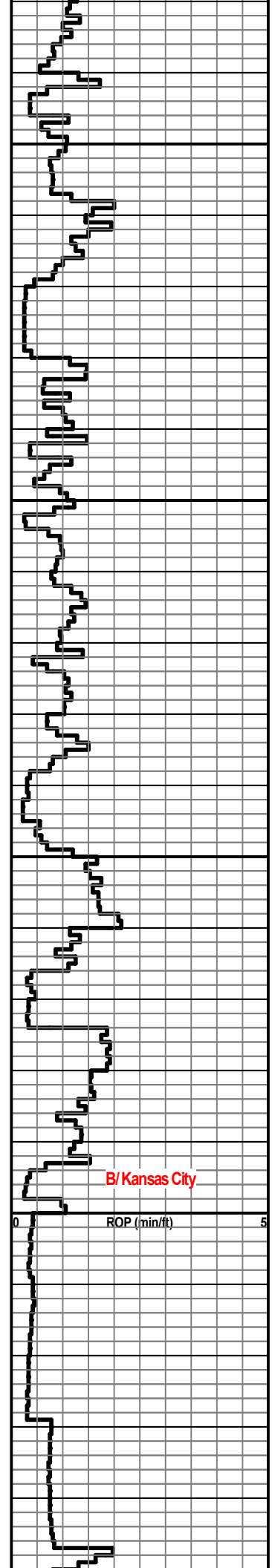
SS: gry, fn grn, sub rnd, vry shly, arn carb strks & incl, pr ig por, NS.

SS: mstly fn grn to sm med, sub rnd, mod strd, wll cmntd, calc mtrx, limy IP, lam SH, carb incl, lam LS stmgrs, fr ig por, NS.

LS: mstly brn ot lt bnr, fn xln, dns, hrd, sil incl, pyr, pr vis por, NS.

Wt 9.1
Vis 39


1450
1500
1550
1600
Lansing
Kansas City
0
ROP (min/ft)
5
SH: brn to gry, blky, chnky, pyr.
SH: gry, slty, sndy, lma carb strks & incl, pyr.
LS: lt brn to brn, gry to lt gry, shly, occ sndy, pyr, pr vis por, NS.
LS: lt brn to crm, fn xln, dns, sil incl, foss, pyr, pr vis por, NS.
LS: buff to lt brn, fn xln, dns, lam SH, trc foss, pr vis por, NS.
LS: brn to lt brn, fn xln, dns, sli sndy txt, sli wthrd, pyr, pr vis por, NS.
LS: AA w/ NS.
LS: lt brn to buff, fn xln, dns, hrd, sli sndy txt, occ sil incl, pyr, pr vis por, NS.
LS: AA w/ pr vis por, mnrl flor, NS.
SH: gry to drk gry to blk, blk SH is carb, carb incl, pyr.
LS: buff to tan, fn xln, dns, trc sil incl, pr vis por, NS.
Lansing
Wt 9.1
Vis 38



LS: buff to tan, fn xln, dns, trc sil incl, pr vis por, NS.

SH: gry, carb incl.

LS: lt gry to buff, fn xln, dns, sil incl, trc foss, pr vis por, NS.

SH: gry to drk gry to blk, blk SH is carb, carb incl, pyr.

LS: buff to lt brn, fn xln, dns, trc sli wthrd, pr vis por, NS.

LS: mstly buff, fn xln, dns, sli wthrd, scat foss, xln incl, chlky lP, occ sli fr interxln por, mnrl flor, NS.

Wt 9.3
Vis 36

LS: brn to gry, fn xln, dns, shlym lam carb strks, pyr, pr vis por, NS.

SH: mstly blk, hghly carb, micro emb pyr.

Midnight Depth on 9/6/24: 1750'

LS: gry to lt gry, fn xln, dns, sil incl, sec frac, pr vis por, NS.

SH: mstly blk, hghly carb, micro emb pyr.

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

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

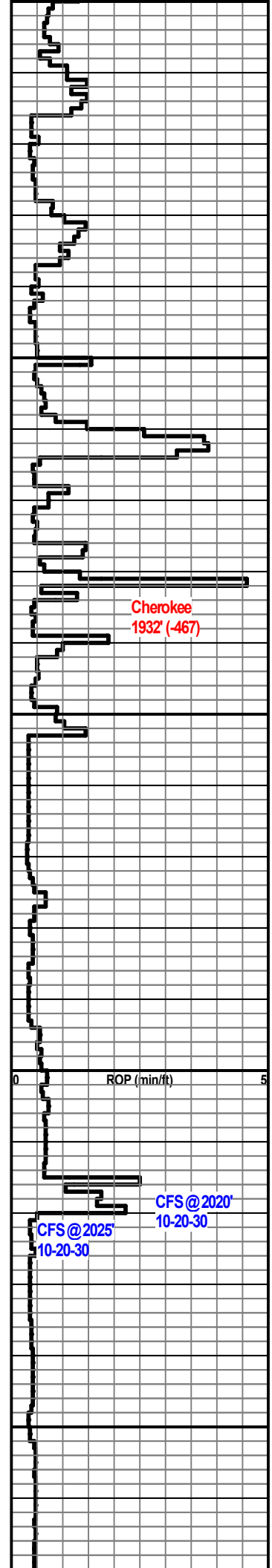
SH: gry to sm drk gry, sft, mshy, chlky, pyr.

Stop Drilling @ 1825'. Circ 30 min. Wiper trip to collars to clean the hole. Circ 30 min OB. Drill ahead.

Add LCM into system

Start 10' Samples

SH: AA w/ lam carb strks & incl.



LS: brn to lt brn, fn xln, re xln, dns, sil incl, chlky, lam SH, mstly pr vis por, dull mnrl flor, NS.

LS: AA w/ NS.

SH: gry, limy, calc, frm, pyr.

LS: gry to brn, fn xln, dns, re xln, sil incl, foss, pyr, pr vis por, NS.

SH: blk to gry, hghly carb, micro emb pyr.

SH: gry to dkr gry, limy, LS stmgrs, pyr.

Wt 9.3
Vis 46
LCM 3

LS: lt brn to brn to buff, fn xln, dns, hrd, sec frac, pr vis por, NS.

SH: blk to gry, hghly carb, micro emb pyr.

LS: brn to lt brn, fn xln, dns, re xln, foss frag, pr vis por, NS.

Cherokee
1932' (-467)

SH: AA.

SH: gry to sm brn, slty, limy, lam carb strks & incl, Ls stmgrs, pyr.

SH: gry, slty, lam carb strks & incl, pyr.

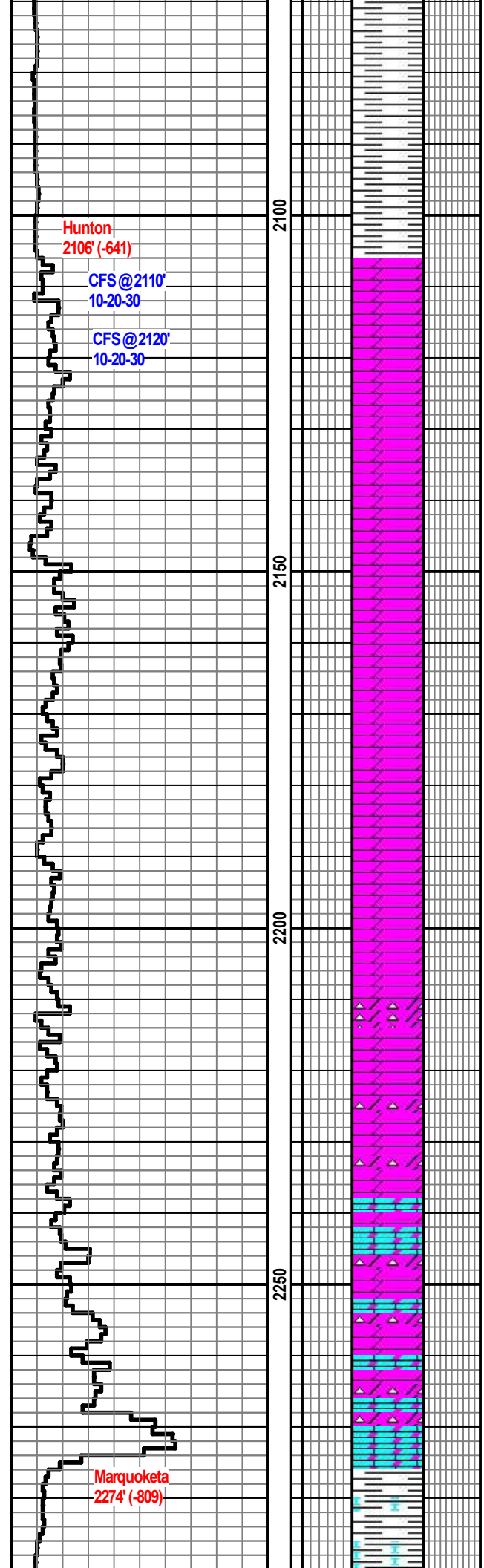
SH: AA.

SH: gry, slty, chlky, sft, lam carb strks & incl, pyr.

LS: lt brn to crm, fn to med xln, dns, re xln, dolo, sil incl, scat rhomb xl, pyr, mstly pr vis por, mnrl flor, NS.

SH: gry, sft, chlky, pyr.

SH: gry, sft, mshy, chlky, pyr, carb incl.



SH: AA w/ occ sli slty lns.

Wt 9.2
Vis 50
LCM 8

SH: gry to drk gry, sm gm, sndy lP, limt, calc, glac, lam carb strks & incl, pyr.

Hunton
2106' (-641)

DOLO: clr to crm to lt gry, med to crs xln, scat rhomb xl, occ suc sndy txt, hghly lam med grn SS in top, pyr, tght, mstly pr interxln por, mnrl flor, NS.

DOLO: smky gry to clr, fn to med xln, occ rhomb, sec frac, pyr, tght, pr vis por, mnrl flor, NS.

DOLO: AA w/ pr interxln por, NS.

DOLO: mstly gry to smky gry, fn xln, sec frac, trc sil incl, pyr, mnrl flor, pr interxln por, NS.

Noon Depth on 9/6/24: 2150'

DOLO: AA w/ pr interxln por, NS.

DOLO: AA w/ pr interxln por, NS.

DOLO: AA w/ pr interxln por, NS.

Stop drilling @2204'. Seal went out on transmission. TOOH 20 stands. Replace seals.

Midnight Depth on 9/7/24: 2204'

DOLO: crm to gry, crs xln, rhomb xl, scat chrty pcs, sec frac, pr vis por, NS.

DOLO: AA w/ NS.

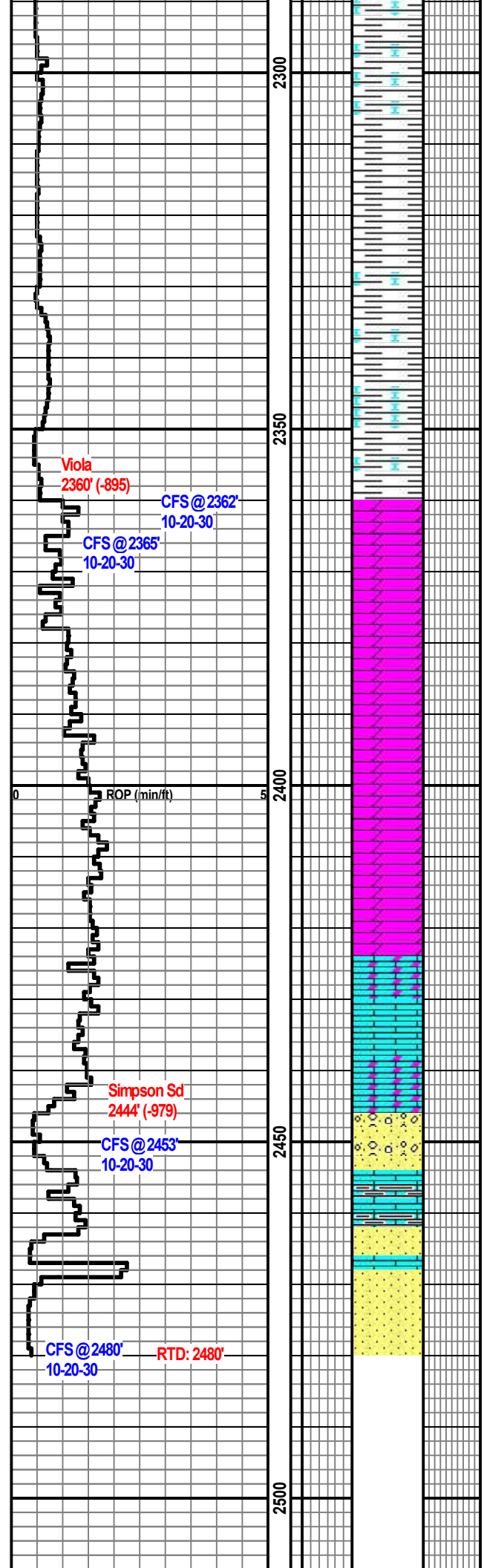
DOLO: mstly gry to sm lt brn, med to crs xln, rhomb, chrty, limy, calc, sec frac, pr vis por, NS.

DOLO: AA w/ NS.

DOLO: AA w/ NS.

Marquoketa
2274' (-809)

SH: mstly lt gry to gry, slty, sndy, carb incl, pyr, glac, occ limy.



SH: AA.

SH: med to lt gry, pyr.

Wt 9.2
Vis 46
LCM 8

SH: mstly lt gry to gry, slty, sndy, carb incl, pyr, glac, occ limy.

SH: AA.

Viola
2360' (-895)

DOLO: smky gry to clr, fn to med xln, occ few crs rhomb xl, occ sndy suc txt, mstly pr to occ fr interxln & vug por, trc dead barren stn, no SFO, no cut, no flor, no odor, NS.

DOLO: smky gry, mstly fn xln, lrg rhomb xl, sec frac, mstly pr interxln por, NS.

DOLO: lt brn to brn, med xln, sm rhomb, mstly suc sndy txt, fr interxln por, NS.

DOLO: AA w/ NS.

DOLO: AA w/ NS.

LS: brn to lt brn to crm, fn xln, dns, wthrd, re xln, vrt sndy, sli dolo suc txt, occ fr interlxln por, vry lt stn, barren dead oil, no SFO, no odor.

LS: AA w/ NS.

Simpson Sd
2444' (-979)

SS: msty clr qrtz. lt brn to brn tnt, med to crs gm, rnd, wll to mod srtd, wll cmntd, carb incl, lam dolo mtrx, fr ig por, trc drk blk dead stn, no SFO, no odor, NS.

SS: mstly clr qrtx, lt brn to brn tnt, med to lrg gm, sm crs, rnd, wll srtd, wll cmntd, sli calc mtrx, gd ig por, NS.

SS: AA w/ NS.

RTD: 2480' @ 9:10AM on 9/7/24

Circ 30 minutes. Lay down dril pipe. Pump top plug. D&A.

RTD
2480' (-1015)