

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



Date	Invoice #
3/16/2023	7126

Bill To	
C&G Drilling 701 E River Eureka, KS 67045	
Customer ID#	1037

Job Date	3/14/2023
Lease Information	
Sommers A-1	
County	Butler
Foreman	SM

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C101	Cement Pump-Surface	1	950.00	950.00
C107	Pump Truck Mileage (one way)	40	5.00	200.00
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
C108A	Ton Mileage (min. charge)	1	390.00	390.00
D101	Discount on Services		-77.00	-77.00
D102	Discount on Materials		-142.42	-142.42T

We appreciate your business!

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	\$4,168.93
Sales Tax (6.5%)	\$175.89
Total	\$4,344.82
Payments/Credits	\$0.00
Balance Due	\$4,344.82

V# 3018
 4-7-23

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



Date	Invoice #
3/21/2023	7104

Bill To	
C&G Drilling 701 E River Eureka, KS 67045	
Customer ID#	i037

Job Date	3/17/2023
Lease Information	
Sommer #A-1	
County	Butler
Foreman	KM

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C102	Cement Pump-Longstring	1	1,180.00	1,180.00
C107	Pump Truck Mileage (one way)	30	5.00	150.00
C201	Thick Set Cement	165	24.25	4,001.25T
C207	KolSeal	825	0.56	462.00T
C208	Pheno Seal	330	1.55	511.50T
C108B	Ton Mileage-per mile (one way)	272.1	1.50	408.15
C661	5 1/2" AFU Float Shoe	1	364.00	364.00T
C421	5 1/2" Latch Down Plug	1	285.00	285.00T
C504	5 1/2" Centralizer	6	59.00	354.00T
C112	Rotating Cement Swivel	1	115.00	115.00T
C222	KCL	1	32.00	32.00T
D101	Discount on Services		-86.90	-86.90
D102	Discount on Materials		-300.49	-300.49T
D103	Discount on Eq Rent		-5.75	-5.75T

We appreciate your business!

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	\$7,469.76
Sales Tax (6.5%)	\$378.20
Total	\$7,847.96
Payments/Credits	\$0.00
Balance Due	\$7,847.96

V# 3018
 4-7-23

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



Co. Tools
 R193

Cement or Acid Field Report
 Ticket No. **7104**
 Foreman Kevin McCoy
 Camp EUREKA

API # 15-015-24204

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
3-17-23	1037	Sommers # A-1	11	24S	4E	Butler	Ks
Customer			Unit #	Driver	Unit #	Driver	
C & G Drilling			104	AIAN M.			
Mailing Address			112	DAN K.			
701 E. RIVER							
City	State	Zip Code					
EUREKA	Ks	67045					

Job Type Longstring Hole Depth 2560' Slurry Vol. 43 BBL Tubing _____
 Casing Depth 2540.08 G.L. Hole Size 7 7/8 Slurry Wt. 13.8" Drill Pipe _____
 Casing Size & Wt. 5 1/2" 15.50" Cement Left in Casing 0' Water Gal/SK _____ Other _____
 Displacement 62.2 BBL Displacement PSI 700 Bump Plug to 1200 PSI BPM _____

Remarks: Safety Meeting: 5 1/2" 15.50" casing set @ 2540.08 G.L. Rig up to 5 1/2" casing w/ rotating swivel & cementing head. Break circulation w/ 10 BBL fresh water. Mixed 130 sks thick set cement w/ 5" Kol-Seal /sk, 2" Pheno-Seal /sk @ 13.8" /gal, yield 1.85 = 43 BBL slurry. Wash out pump & lines. Shut down. Release latch down plug. Displace plug to seat w/ 62.2 BBL fresh water. (KCL in first 20 BBL) Final pumping pressure 700 psi. Bump plug to 1200 psi. wait 2 mins. Release pressure. Float & plug held. Rotated casing while displacing plug. Good circulation @ all times while cementing. Job complete. Rig down.

Plug R.H. 20 sks M.H. 15 sks
 Centralizers on #1, 3, 4, 5, 6, 7

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1180.00	1180.00
C 107	30	Mileage	5.00	150.00
C 201	165 sks	THICK SET Cement	24.25	4001.25
C 207	825 "	KOL-SEAL 5"	.56 "	462.00
C 208	330 "	PHENO-SEAL 2"	1.55 "	511.50
C 108.B	9.07 Tons	Ton Mileage	1.50	408.15
C 661	1	5 1/2" AFU FLOAT shoe w/ Latch down insert	364.00	364.00
C 421	1	5 1/2" Latch down Plug	285.00	285.00
C 504	6	5 1/2" x 7 7/8" Centralizers	59.00	354.00
C 112	1	Rotating Cement Swivel	115.00	115.00
C 222	1 gal	KCL (in first 20 BBL Displacement water)	32.00	32.00
			Sub Total	7862.90
			Less 5%	413.05
			Sales Tax	398.11
				7847.96

Authorization By Tim Gulick

Title _____

Total

7,847.96

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.

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Sommers A #1
API: 15-015-24204
Location: E2 E2 SE S32-T23S-R5E
License Number: 32701
Spud Date: 3/13/23
Surface Coordinates: 1320' FSL 330' FEL
Region: Butler County, KS
Drilling Completed: 3/16/23

Bottom Hole
Coordinates:
Ground Elevation (ft): 1432' K.B. Elevation (ft): 1441'
Logged Interval (ft): 2000' To: R.T.D. Total Depth (ft): 2560'
Formation: Mississippi Chert
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

Well	C & G Sommers A 1
G.L.	1432
K.B.	1441

Formation	Sample		Log	
Kansas City	2104	-663	2102	-661
BKC	2256	-815	2254	-813
Marmaton	2322	-881	2321	-880
Altamont	2365	-924	2363	-922
Cherokee	2446	-1005	2445	-1004
Conglomerate				
Mississippi Chert	2465	-1024	2465	-1024
Mississippi Lime	2559	-1118	N/A	
Total Depth	2560	-1119	2563	-1122

CASING

8 5/8" surface casing
5 1/2" production casing

Comments

The decision was made to set and cement 5 1/2" production casing to further evaluate the Mississippi Chert through perforations.

Zones of Interest

ALL FOOTAGES IN THIS SECTION ARE BASED OFF OF LOG DEPTHS

Mississippi 2465' (-1024)
2465'-2500'

Chert - white to light brown to some amber, opaque, mostly weathered, scattered fresh chert, great vugular and pin point porosity, even uniform live stain, good show of free oil with some bleeding oil, gas bubbles, up to 50% bright yellow fluorescence, strong rich odor.

ROCK TYPES

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl

- Dol
- Limy_dolo
- Cherty_dolo
- Gyp
- Igne
- Lmst
- Cherty_Is
- Sdy_Is

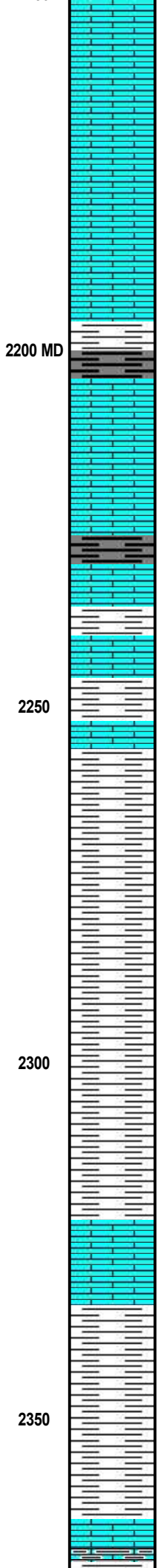
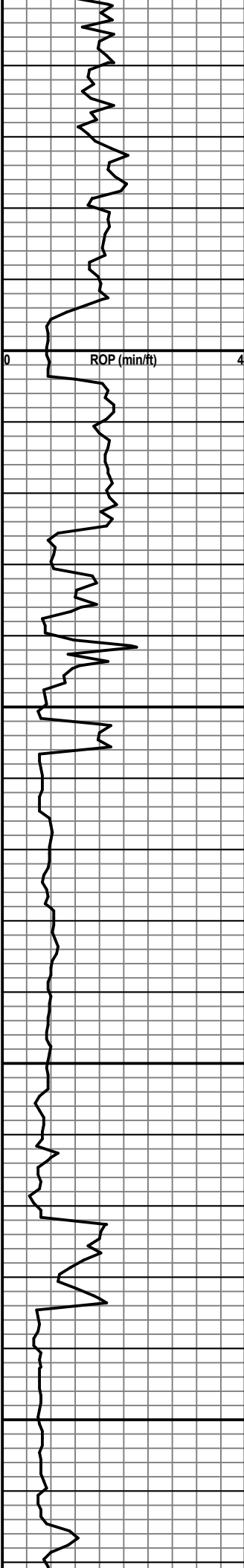
- Shaly_Is
- Dolo_Is
- Meta
- Mrlst
- Salt
- Shale
- Limy_sh
- Hot_shale

- Hot_shale_is
- Shcol
- Shgy
- Sltst
- Ss
- Limy_ss
- Shaly_ss
- Shaly_limy_ss
- Till

OIL SHOW

- Even
- Spotted
- Gas show
- Ques
- Dead

Curve Track 1 ROP (min/ft)	MD	Lithology	Oil Shows	Geological Descriptions	Remarks
	2000			<p style="color: blue;">Start 10' Wet & Dry Samples</p> <p>SH: gry, slty, sft.</p> <p>SH: gry, slty.</p> <p>SH: gry, chlky.</p> <p>SH: gry, slty, chlky.</p>	<p style="color: blue;">Start Mud Up</p>
	2050				
	2100				<p>Kansas City 2104' (-663)</p>
	2150			<p>LS: off wht to cm, fn xln, dns, wthrd, re xln, sli sndy, pyr, fr interxn por, scat flor, lt stn, sli SFO, ft odor.</p> <p>LS: gry, fn xln, dns, shlky, carb incl, pr vis por, NS.</p> <p>LS: lt bm to off wht, fn to med xln, dns, wthrd, re xln, chlky, xln incl, fr interxn por, NS.</p> <p>SH: gry.</p>	<p style="color: blue;">E-Log 2102' (-661)</p> <p>Sli SFO Ft Odor</p> <p style="color: blue;">Wt 9.4 Vis 35</p>



LS: lt bm to crm, fn xln, dns, Sli wthrd, sil incl, mstly pr to sm fr interxln por, NS.

LS: AA w/ NS.

LS: lt bm to gry, fn xln, dns, foss, chlky, scat interxln por, NS.

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

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

LS: AA w/ NS.

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

LS: bm to lt bm mott, sm off wht, fn xln, dns, chrty, pr vis por, NS.

SH: gry, pyr. LS: AA.

SH: gry to gm, slty, carb incl.

SH: AA.

SH: AA w/ sndy txt, mica.

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

LS: mstly lt bm, fn xln, dns, hrd, foss frag, pr vis por, NS.

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

SH: gry, less sndy & slty, pyr.

LS: lt gry to lt bm, fn xln, dns, foss frac, shly, pr vis por, NS.

B/ Kansas City 2256' (-815)

E-Log 2254' (-813)

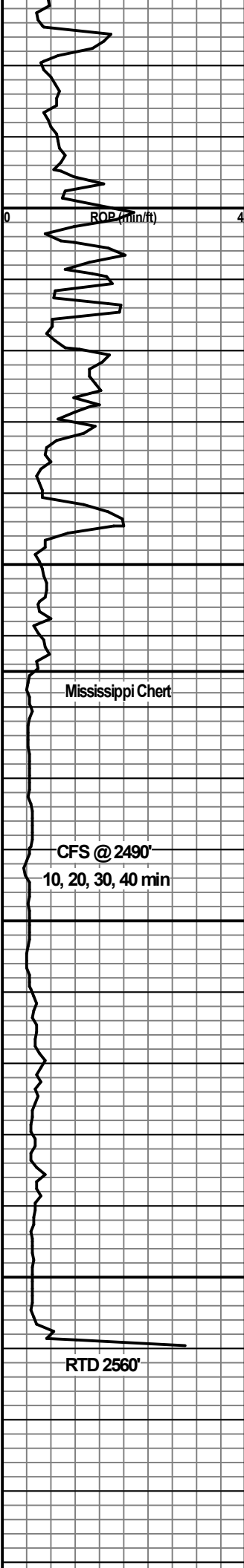
Mamaton 2322' (-881)

E-Log 2321' (-880)

Wt 9.5
Vis 39

Altamont 2365' (-924)

E-Log 2363' (-922)



SH: blk, carb, emb pyr. LS: AA.

SH: gry to drk gry, pyr.

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

SH: gry, pyr.

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

SH: blk to drk gry, carb, pyr.

LS: gry to lt bm, fn xln, pyr, xln incl, no vis por, NS.

SH: blk to drk gry, carb, pyr.

SH: red, bm to gry, wshs red, sndy IP, slty, limy, CHT, LS strngr, pr vis por, NS.

CHT: off wht to lt bm to sm amber, opaque, withrd, grt vug & PP por, even live stn, gd bleeding SFO, SGB, 50% brght yllw flwr, strmg odor.

CHT: AA w/ scat frsh cht, gd vug & PP & frac por, fr SFO, 30% brght yllw flwr in por & on xln edge, mod strmg odor.

CHT: off wht to buff, opaque, withrd, sm frsh cht lam, gd PP & vug por, lt stn, sli SFO, SGB, 10% yllw flwr on xln edge, ft odor.

CHT: AA w/ incrsng frsh cht (-50%), gd por, lt stn, 5% yllw flwr on xln edge, ft odor.

CHT: wht to lt bm to sm amber, opaque, mstly frsh, frac por, scat yllw flwr, no odor.

CHT: AA, mstly all frsh, w/ NS.

CHT: AA.

CHT: AA.

LS: lt bm to crm, fn xln, dns, xln incl, sndy txt, no vis por, NS.

Pawnee

Add LCM

Fort Scott

Cherokee 2446' (-1005)

E-Log 2445' (-1004)

Mississippi Chert 2465' (-1024)

E-Log 2465' (-1024)

Good Bleeding SFO
Gas Bubbles
Strong Odor

Fair SFO
Moderate Strong Odor

Slight SFO
Gas Bubbles
Ft Odor

Ft Odor

Ft Odor

RTD: 2563' @ 1:30 PM on 3/17/23

Mississippi Lime 2559' (-1118)

E-Log N/A

RTD 2560 (-1119)
LTD 2563' (-1122)

